



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Tuesday, February 07, 2017

NOTICE OF RETURNED PERMIT APPLICATION
Horizontal 6A / Horizontal 6A Well - 1

STONE ENERGY CORPORATION (A)
1300 FORT PIERPONT DRIVE #201

MORGANTOWN, WV 26508

Re: Returned well work permit application for 16HU
47-103-03116-00-00

STONE ENERGY CORPORATION (A)

Please be advised that the Office of Oil and Gas is returning your Well Work Permit Application for the above referenced well. If you wish to reapply, please complete and submit new forms including a Mylar plat. A new U.S. Well Number will be associated with any subsequent well work applications.

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: 16HU
Farm Name: RICHARD ERLEWINE
U.S. WELL NUMBER: 47-103-03116-00-00
Horizontal 6A / Horizontal 6A Well - 1
Date Returned: 02/07/2017

Promoting a healthy environment.

02/17/2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Stone Energy Corporation 494490923 Wetzel Proctor New Martinsville
Operator ID County District Quadrangle

2) Operator's Well Number: #16HU Well Pad Name: Erlewine

3) Farm Name/Surface Owner: Erlewine, Richard Public Road Access: Wetzel County Route 1/2

4) Elevation, current ground: 1,222' Elevation, proposed post-construction: 1,212'

5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow _____ Deep X
Horizontal X

6) Existing Pad: Yes or No Yes

DMH
5-4-15

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
The well will target the Utica/Point Pleasant formations @ 11,270' TVD (-10,058' SS), 350' thick w/ RP = 9,200 - 9,700 psig.

8) Proposed Total Vertical Depth: 11,350'

9) Formation at Total Vertical Depth: Utica/Point Pleasant

10) Proposed Total Measured Depth: 18,350'

11) Proposed Horizontal Leg Length: 6,402' from the LP & 7,771' from the KOP

12) Approximate Fresh Water Strata Depths: 110', 290', 330' and 870'

13) Method to Determine Fresh Water Depths: When having to soap wellbore or show of fluid at end of flow line

14) Approximate Saltwater Depths: 1,575', 1,610' and 2,190'

15) Approximate Coal Seam Depths: 835' and 865'

16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24.0	New	LS	94.0	80' GL	80' GL	77 - CTS
Fresh Water/Coal	18.625	New	H40	97.5	1,210' KB / 1,189' GL	1,210' KB / 1,189' GL	2,085 - CTS
Intermediate 1	13.375	New	J55	54.5	2,240'	2,240'	Lead-1,390 Tail-550 CTS
Intermediate 2	9.625	New	P110	53.5	8,390'	8,390'	Lead-2,295 Tail-439 TOC @ 1,480'
Production	5.5	New	P110	26.0		18,350	3,355 - TOC @ 5,890'
Tubing							
Liners							

Note: The Fresh Water/Coal casing setting depth is just above Sea Level. At no time will the casing be set below Sea Level. This setting depth is due to sloughing formation below the deepest coal seam.

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5-4-15*

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24.0	26.0	0.375	1,180	944	Type 1	1.18
Fresh Water/Coal	18.625	22.0	0.435	1,630	1,304	HalCem	1.198
Intermediate 1	13.375	17.5	0.380	2,730	2,184	HalCem	Lead-1.198 Tail-1.223
Intermediate 2	9.625	12.25	0.545	10,900	8,720	HalCem	Lead-2.98 Tail-1.29
Production	5.5	8.75	0.361	14,520	11,616	VariCem	1.22
Tubing							
Liners							

PACKERS

Kind:	TAM CAP Inflatable			
Sizes:	13.375"			
Depths Set:	1,000'			

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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drilling will consist of the use of three rigs. First a conductor rig will be MIRU to set and cement 24.0" conductor back to surface. RDMO conductor rig. The second rig (Top Hole) will be MIRU and it will drill and cement back to surface both the 18.625" and 13.375" casing strings. It will then drill the 12.25" hole to just above the Salina Salt formation. The well will be loaded from TD to surface with 3-6% KCl fluid and a gyro run inside of the drill string to TD to obtain well bore placement. RDMO Top Hole Rig. MIRU Horizontal Rig to finish drilling the 12.25" hole section and setting the 9.625" casing and cementing to ~1,000' inside the 13.375" casing. The well will then be directionally drilled to TD, 5.5" production casing run and cemented back to 2,500 inside the 9.625" casing string. After the installation of the night cap the Rig will then skid to the next pad well or move to a new location/pad.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Stimulation will begin by MIRU of coil tubing unit or service rig. The 5.5" casing is then cleaned out to the PBDT and a CBL is then run to approximately 30-60 degrees in the curve and pulled to surface. The next step is to perforate the toe stage. A stimulation company is then MIRU and the toe stage is fractured. Anticipated pressures is 9,000 psi with between 85 & 90 bmp pump rate. Each subsequent stage is then perforated after a pump down frac plug is set and the stage is perforated. After all stages are completed the well is SI and the stimulation company is RDMO. A coil tubing unit or service rig with snubbing unit is then MIRU and the frac plugs are drilled out and the 5.5" casing cleared to the PBDT. The rig is then RDMO and a flow back crew is RU to flow back the free water to frac tanks. Once well begins to gas it is either flared or placed in line through a separator and produced. The well is next turned over to production and the flow back crew is RDMO.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 21.6

22) Area to be disturbed for well pad only, less access road (acres): 7.2

23) Describe centralizer placement for each casing string:

DH 5-4-15

The fresh water/coal string will incorporate the use of bow spring centralizers beginning generally on joint 2 to surface on every third joint. The intermediate strings 1 & 2 will incorporate bow spring centralizers with one on joint 2 and then every fourth joint to surface. The production string will use alternating left and right rigid spiral centralizers beginning on joint 2 and then every fourth joint to the pup joint 100' above the KOP. From there bow spring centralizers will be used on every third joint from the KOP to TOC.

24) Describe all cement additives associated with each cement type:

Fresh water/coal string and intermediate strings 1 & 2 will be cemented using HalCem which is a Class "A" cement with 0.25 pps Pol-E-Flake with up to 2% CaCl. The production string will be cemented with VariCem which is a Class "A" that can be mixed at different weights.

25) Proposed borehole conditioning procedures:

- The 20.0" and 17.5" hole sections will be conditioned using air and/or soap until cuttings are removed from the well bore.
- The 12.25" section will be conditioned using air and/or stiff foam until cuttings have been removed from the well bore.
- The 8.75" section will be conditioned with a minimum of three bottoms up of drilling fluid (mud) and the shakers screens are clear of cuttings.

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*Note: Attach additional sheets as needed.



WW-9 ADDENDUM

Drilling Medium Anticipated for This well

- Vertical section of well bore, down to KOP, will be drilled on air and/or a combination of air and drilling soap.
- From KOP through the curve section and horizontal section of well bore will be drilled on a brine-water based mud system.

Additives to be Used While Drilling

- Common additives when air drilling: KCl (CAS No. 1302-78-9 & 14808-60-7), soda ash (CAS No. 497-19-8), shale stabilizer (CAS No. 67-48-1 & 7732-1835), drilling soap (CAS No. 111-76-2), air hammer/motor lubricant.
- Common water based additives for mud drilling: NaCl (CAS No. 7647-14-5), KCl (CAS No. 7447-40-7), barite (CAS No. 13462-86-7 & 14808-60-7), starch (CAS No. 9005-25-8), PAC (CAS No. 9004-32-4), xanthum gum (CAS No. 11138-66-2), PHPA (CAS No. 64742-47-8), polysaccharide (CAS No. 11138-66-2), sulfonated asphaltic material (CAS No. 269-212-0 & 238-878-4), aluminum silicate (CAS No. 37287-16-4), gilsonite (CAS No. 12002-43-6), graphite (CAS No. 14808-60-7 & 7782-42-5), shale stabilizer (CAS No. 67-48-1 & 7732-18-5), fluid loss control polymers (CAS No. 9004-34-6), viscosity control polymers (CAS No. 11138-66-2 & 107-22-2), soda ash (CAS No. 497-19-8), sodium bicarbonate (CAS No. 144-55-8), NaOH (CAS No. 1310-73-2, 7647-14-5, & 7732-18-5), lime (CAS No. 1305-62-0), gypsum (CAS No. 778-18-9), citric acid (CAS No. 77-92-9), biocide (CAS No. 52-51-7 or 7732-18-5 + 67-56-1 + 141-43-5), CaCO₃ (CAS No. 471-34-1), cellulose fibers (CAS No. 14808-60-7), nut plug (CAS No. 9004-34-6 & 14808-60-7), cross-linking polymers (CAS No. 107-22-2 & 11138-66-2), other LCMs, surfactants (CAS No. 64-17-5), ROP enhancer/lubricant (CAS No. 8002-13-9), beads, corrosion inhibitor (CAS No. 7732-18-5), aluminum stearate (CAS No. 300-92-5), defoamer (CAS No. 246-771-9).

MSDS are available upon request.

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2-27-15

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WW-9 ADDENDUM

Drill Cuttings Disposal Method

- Closed loop drilling system will be incorporated. No waste pits will be constructed. All drill cuttings are put through a drier system and hauled to and disposed of at approved and permitted landfills.

Landfills or Offsite Names and Permit Numbers

Wetzel County Sanitary Landfill
Rt. 1, Box 156A
New Martinsville, WV 26155
SWF-1021 / WV01909185

Brooke County Sanitary Landfill
Colliers, WV 26035
SWF-1013 / WV0109029

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Well: Erlewine #16HU
 State: West Virginia
 County: Wetzel
 District: Proctor
 Prospect: Mary
 Location: Surface: Lat = 39.683667° N & Long = 80.796903° W / (N) 4,392,668' (E) 517,416' (UTM - NAD83, Zone 17)
 Permitted BHL: Lat = 39.671177° N & Long = 80.780932° W / (N) 4,391,285' (E) 518,789' (UTM - NAD83, Zone 17)
 Proposed TD: 18350' MD / 11350' TVD

PROPOSED HORIZONTAL

Revision: 23-Feb-15

Permit Number: 47-103-
 Permit Issued:
 Post Construction Ground Elevation: 1212'
 Kelly Bushing: 21'
 Rig:
 Spud Date:
 TD Date:
 Rig Release Date:

HOLE SIZE	PILOT HOLE FORMATION TOPS	WELLBORE DIAGRAM	CASING & CEMENTING DATA DIRECTIONAL DATA	MW & FLUID TYPE	HOLE DEVELOPMENT	
Pre-Set Conductor	101' KB (80' BGL) Shallowest FW ##### Coal #####		CONDUCTOR PIPE 24" x 3/8" wall L/S PE @ 101' (set in bedrock & grouted to surface)		Vertical	
22" Hole (Hammer)	Pittsburgh Coal 865' TVD Deepest FW 870' TVD 1210' TVD		SURFACE CASING 18-5/8" 87.5# H-40 STC @ 1210' MD/TVD - 1189' GL Set through fresh water zones Set through coal zones Cemented to surface	Air / Mist	Vertical	
17-1/2" Hole (Hammer)	RED BEDS Shallowest SW 1596' TVD Little Lime 1921' TVD Big Lime 1951' TVD Big Injun Sandstone 1981' TVD Base of Big Injun 2081' TVD 2240' TVD		1st INTERMEDIATE CASING 13-3/8" 54.5# J-55 STC @ 2240' MD/TVD Set through potential salt water zones Set below base of Big Injun Cemented to surface	Air / Dust	Vertical	
12-1/4" Hole (Hammer)	Weir 2431' TVD Berea Sandstone 2631' TVD Gordon Sandstone 2881' TVD Elizabeth 3571' TVD Warren Shale 3641' TVD Benson Shale 4511' TVD Alexander Shale 4771' TVD Rhinstreet Shale 5851' TVD Cashaqua 6301' TVD Middlesex Shale 6341' TVD West River Shale 6361' TVD Geneseo Shale 6411' TVD Tully Limestone 6441' TVD Hamilton Shale 6471' TVD Marcellus Shale 6501' TVD Onondaga Limestone 6551' TVD Huntersville Chert 6571' TVD Oriskany Sandstone 6796' TVD Helderberg Limestone 6866' TVD Bass Island Dolomite 7126' TVD Salina Salt 7366' TVD Newburg Dolomite 8236' TVD 8390' TVD		2nd INTERMEDIATE CASING 9-5/8" 53.5# P-110 LTC @ 8390' MD/TVD Set through Salina salt Cemented to 1410'	Air / Dust	Vertical	
8-1/2" Hole to Pilot Hole TD (Hammer / Insert Bits)	Keefer Sandstone 8551' TVD Niagran/Rose Hill 8641' TVD Packer Shell Limestone 8956' TVD Clinton/Tuscarora SS 9126' TVD Queenston/Junita 9266' TVD Martinsburg/Reedsville 10041' TVD		KOP @ 10579' MD/TVD		Air / Dust	Vertical
8-1/2" Hole from KOP to LP (PDC / Insert Bits)	Utica Shale 11016' TVD				SBM in Curve	
8-1/2" Hole in Lateral (PDC)	Point Pleasant 11256' TVD				SBM In Lateral	-89.5°
	Trenton Limestone 11366' TVD					
Notes: Formation tops as per vertical pilot hole Curve & lateral tops will vary due to structural changes Directional plan based upon best estimate of structure				Landing Point (LP) @ 11948' MD / 11300' TVD -89.5° angle -145° azimuth	TD @ 18350' MD / 11350' TVD PRODUCTION CASING 5-1/2" 23.0# P-110 Premium Conn @ 18350' MD Top of Cement @ ~5890' (2500' inside 9-5/8")	

Office of Oil & Gas
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2-27-15

ERLEWINE #16HU

(SEE PAGE 2 OF 2 FOR PLAT)

ERLEWINE #16HU

TRACT ID	LESSOR	LEASED ACRES	UNIT ACRES
A	RICHARD L. ERLEWINE	135.0±	72.0±
B	BBR CONSTRUCTION, INC.	53.0±	8.6±
C	SHIBEN ESTATES, INC.	5.0±	5.0±
D	SHIBEN ESTATES, INC.	17.875±	3.4±
E	SHIBEN ESTATES, INC.	23.5±	6.9±
F	MARY JO BURTON	79.75±	34.4±
G	SHIBEN ESTATES, INC.	36.5±	36.5±
H	GLADIS ANTHONY	34.0±	34.0±
I	DAVER MATERIALS SCIENCE LLC	4.0±	3.6±
J	BAYER MATERIALS SCIENCE LLC	99.5±	64.6±
K	GLADIS ANTHONY	28.5±	21.7±
L	ANTERIO RESOURCES APPALACHIAN CORPORATION	25.0±	5.2±
M	ANTERIO RESOURCES APPALACHIAN CORPORATION	23.0±	8.9±
N	ANTERIO RESOURCES APPALACHIAN CORPORATION	15.0±	8.6±
O	ROXANNA YOST NAYEN	20.0±	20.0±
P	WANDA R. SPRINGSTON	98.35±	78.9±
Q	MALCOM G. HALL & BONNIE L. HALL	66.0±	2.3±
R	SHARON L. HENTHORN	1.65±	1.65±
S	RUTH E. BLAKE	124.0±	40.9±
T	RUTH E. BLAKE	14.5±	14.5±
U	GASTAR EXPLORATION USA, INC.	42.0±	7.1±
V	ROSEBET J. POWELL & DEBRA L. KLINE-POWELL	10.3±	2.0±
W	PETER G. STANBURY	128.9±	1.3±
X	SWIN PRODUCTION COMPANY, LLC	83.82±	5.0±
		UNIT TOTAL	487.85±

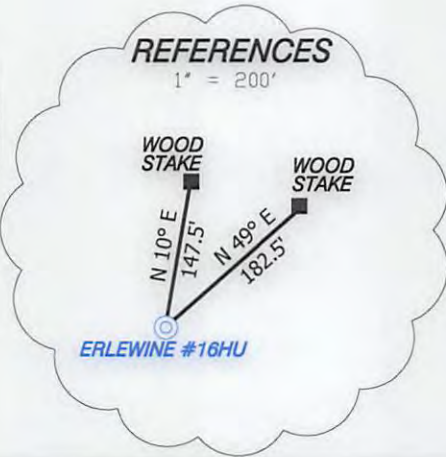
ERLEWINE #16HU SURFACE HOLE		
STATE PLANE COORDINATES NORTH ZONE-NAD 27 (N) 433724 (E) 1634988	L & L DECIMAL NAD 27 39.68359 80.79708	UTM (NAD 83) ZONE 17 METERS 4392868 517416

ERLEWINE #16HU LANDING POINT		
STATE PLANE COORDINATES NORTH ZONE-NAD 27 (N) 433699 (E) 1636171	L & L DECIMAL NAD 27 39.68367 80.79277	UTM (NAD 83) ZONE 17 METERS 4392868 517786

ERLEWINE #16HU BOTTOM HOLE		
STATE PLANE COORDINATES NORTH ZONE-NAD 27 (N) 429111 (E) 1639388	L & L DECIMAL NAD 27 39.67110 80.78111	UTM (NAD 83) ZONE 17 METERS 4391285 518789



Appears To Be No Deep Wells Permitted Within 5,280'.



NOTES ON SURVEY

- NO DWELLINGS WITHIN 625' WERE FOUND.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
- TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
- WELL LAT./LONG. ESTABLISHED BY SG-GPS(OPUS).
- SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WETZEL COUNTY IN DECEMBER, 2015 AND INFORMATION PROVIDED BY STONE ENERGY CORPORATION.
- WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.
- APPEARS TO BE NO DEEP WELLS PERMITTED WITHIN 5,280'.
- VOLUNTARY POOLING ON ALL TRACTS OTHER THAN THOSE TRACTS NOTED.
- THIS PLAT AND/OR THE DEPICTIONS ARE UNDER NO CIRCUMSTANCES TO BE CONSTRUED AS ANY TYPE OF BOUNDARY SURVEY. THIS PLAT IS FOR OIL & GAS PURPOSES ONLY AND IS CREATED FOR THE USE OF THE WELL OPERATOR(S) ONLY.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE APRIL 27, 2015

OPERATORS WELL NO. ERLEWINE #16HU

API WELL NO. 47-103-03116

STATE COUNTY PERMIT

P.S. 834

HUPP Surveying & Mapping
P.O. Box 647 Grantsville, WV 26147
(304) 354-7035 EMAIL: hupp@frontiernet.net

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. W2192 (BK 74-35)

PROVEN SOURCE OF ELEVATION SG-GPS (OPUS) SCALE 1" = 1000'

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL TYPE : OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION : ELEVATION 1,220' WATERSHED TRIBUTARY OF PROCTOR CREEK

DISTRICT PROCTOR COUNTY WETZEL QUADRANGLE NEW MARTINSVILLE 7.5'

SURFACE OWNER RICHARD ERLEWINE ACREAGE 135±

ROYALTY OWNER RICHARD ERLEWINE, et al LEASE ACREAGE 487.85± **02/17/2017**

PROPOSED WORK : LEASE NO. _____

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION UTICA/POINT PLEASANT

ESTIMATED DEPTH TVD-11,350' MD- 18,350'

WELL OPERATOR STONE ENERGY CORPORATION DESIGNATED AGENT TIM MCGREGOR

ADDRESS P.O. BOX 52807 LAFAYETTE, LA 70508 ADDRESS 1300 FORT PIERPONT DR., SUITE 201 MORGANTOWN, WV 26508

LONGITUDE 80°47'30" LONGITUDE 80°47'30" LAT. 39°41'00.9" LAT. 39°41'00.9"

ERLEWINE #16HU

LATITUDE 39°42'30"

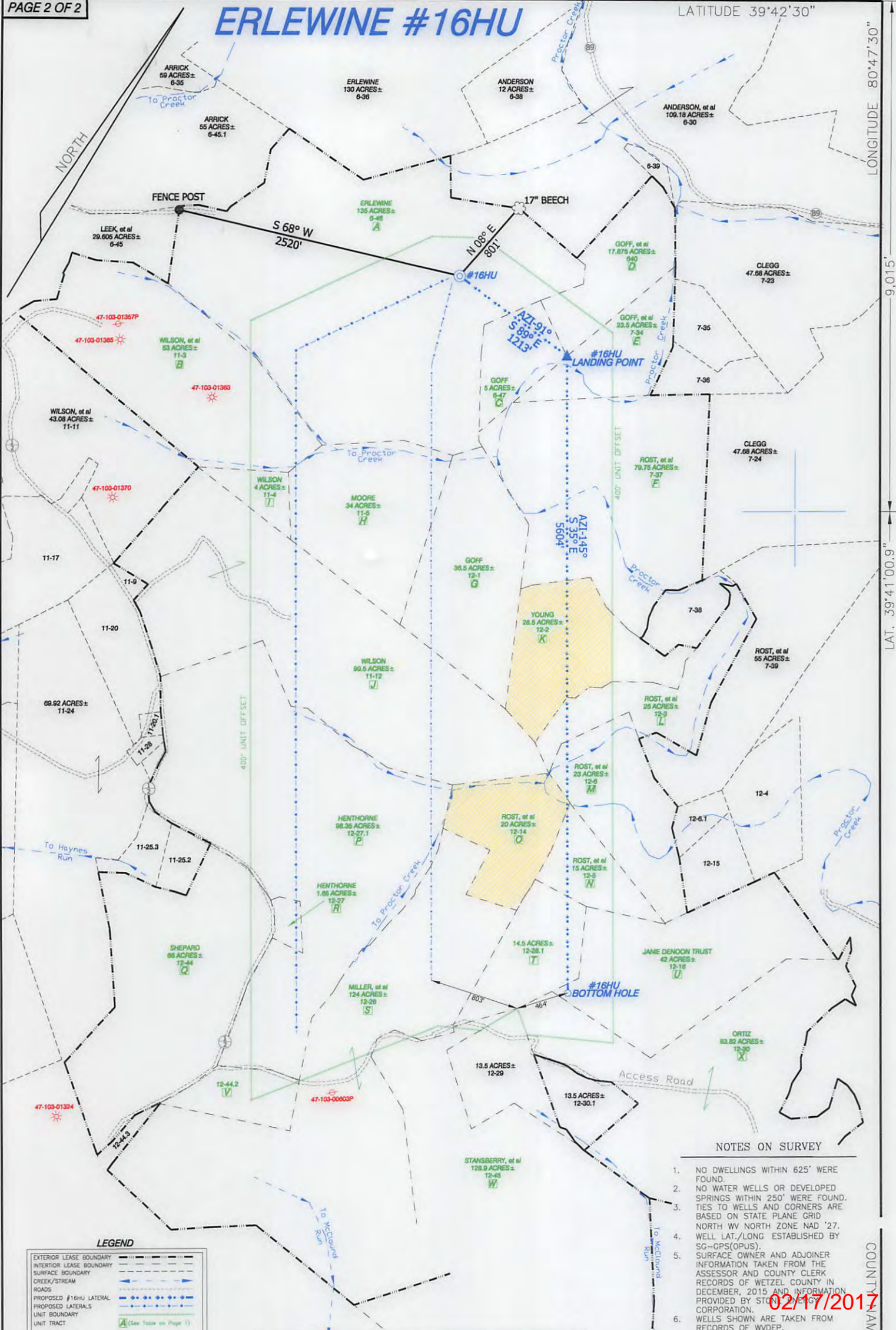
LONGITUDE 80°47'30"

9,015'

LAT. 39°41'00.9"

COUNTY NAME

PERMIT



NOTES ON SURVEY

1. NO DWELLINGS WITHIN 625' WERE FOUND.
2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID.
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02/17/2017

LEGEND

EXTERIOR LEASE BOUNDARY	---
INTERIOR LEASE BOUNDARY	- - - -
SURFACE BOUNDARY	---
CREEK/STREAM	~ ~ ~ ~
ROADS	==
PROPOSED #16HU LATERAL	---+---
PROPOSED LATERALS	---+---
UNIT BOUNDARY	---+---
UNIT TRACT	---
PERMITTED WELL	⊙
ROAD/ROUTE NUMBER	⊕
FORCED POOLING	⊕

API WELL NO. 47-103-03116

STATE LA COUNTY WETZEL PERMIT 03116

DATE APRIL 27, 20 15

OPERATORS WELL NO. ERLEWINE #16HU

HUPP Surveying & Mapping
 P.O. Box 647 Grantsville, WV 26147
 (304) 354-7035 EMAIL: hupp@frontiernet.net

WELL OPERATOR STONE ENERGY CORPORATION DESIGNATED AGENT TIM MCGREGOR

ADDRESS P.O. BOX 52807 LAFAYETTE, LA 70508 ADDRESS 1300 FORT PIERPONT DR., SUITE 201 MORGANTOWN, WV 26508



west virginia department of environmental protection

Oil and Gas Conservation Commission
601 57th Street, SE Charleston, WV 25304
(304)926-0499, Ext 1656

Earl Ray Tomblin, Governor
Barry K. Lay, Chairman
dep.wv.gov

May 21, 2015

TH Exploration LLC
550 Bailey Avenue, Suite 510
Fort Worth, TX 76107

RE: Intentional Deviation of New Deep Well - Erlewine 16HU

Dear Sir:

Please be advised that Stone Energy Corporation has applied to the Oil and Gas Conservation Commission for approval to intentionally deviate a new deep well. The Code of State Regulations Title 39 Section 1.4.10 requires that the Commission notify the offset operators of the applicants' intent to deviate the proposed well. You are receiving this notice because you are listed as an offset operator (unleased mineral owner is also an "offset operator") to the proposed well. Any offset operator has ten days to object to the Commission's granting approval to the proposed deviation. If you file an objection, the Commission will schedule a hearing and you will be notified of the date and time to attend.

A copy of the location plat is enclosed for your review. If no objection(s) are received by June 10, 2015 the application will be processed in the normal manner.

If you have any questions please call me at (304) 926-0499, extension 1656.

Sincerely,

Cindy Raines
Executive Assistant

encl: as stated

02/17/2017



west virginia department of environmental protection

Oil and Gas Conservation Commission
601 57th Street, SE Charleston, WV 25304
(304)926-0499, Ext 1656

Earl Ray Tomblin, Governor
Barry K. Lay, Chairman
dep.wv.gov

May 21, 2015

MM-Marcellus III LP
508 W Wall Street
Midland, TX 79701

RE: Intentional Deviation of New Deep Well - Erlewine 16HU

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Sincerely,

Cindy Raines
Executive Assistant

encl: as stated

02/17/2017



west virginia department of environmental protection

Oil and Gas Conservation Commission
601 57th Street, SE Charleston, WV 25304
(304)926-0499, Ext 1656

Earl Ray Tomblin, Governor
Barry K. Lay, Chairman
dep.wv.gov

May 21, 2015

Venable Royalty, LTD
5910 North Central Expressway, Suite 1470
Dallas, TX 75206

RE: Intentional Deviation of New Deep Well - Erlewine 16HU

Dear Sir:

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Sincerely,

Cindy Raines
Executive Assistant

encl: as stated

02/17/2017



west virginia department of environmental protection

Oil and Gas Conservation Commission
601 57th Street, SE Charleston, WV 25304
(304)926-0499, Ext 1656

Earl Ray Tomblin, Governor
Barry K. Lay, Chairman
dep.wv.gov

May 21, 2015

Verno, LTD
5911 North Central Expressway, Suite 1470
Dallas, TX 75206

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Route 1 Box 89
New Martinsville, WV 26155

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ERLEWINE #16HU OFFSET MAP

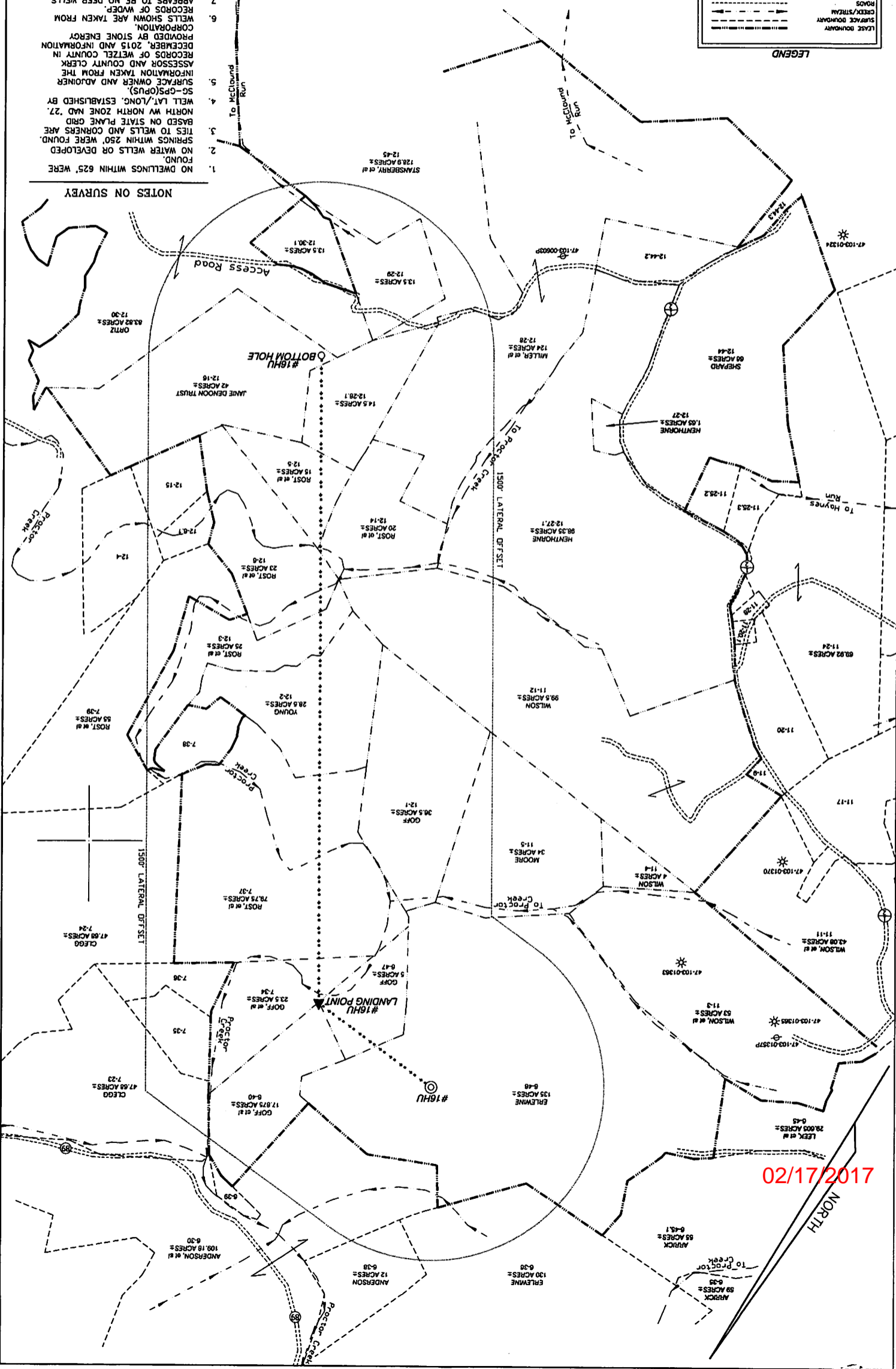
STONE ENERGY CORPORATION
 P.O. Box 647 LAFAYETTE, LA 70508

LEGEND

- ROAD/ROUTE NUMBER
- PERMITTED WELL
- 1500' LATERAL OFFSET
- PROPOSED #16HU LATERAL
- ROADS
- CREEK/STREAM
- SURFACE BOUNDARY
- LEASE BOUNDARY

NOTES ON SURVEY

1. NO DWELLINGS WITHIN 625' WERE FOUND.
2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
3. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID.
4. NORTH W/ NORTH ZONE NAD 27 WELL LAT/LONG, ESTABLISHED BY SC-GP(S)OPUS).
5. INFORMATION TAKEN FROM THE SURFACE OWNER AND ADJOINER ASSESSORS AND COUNTY CLERK RECORDS OF WETZEL COUNTY IN DECEMBER, 2015 AND INFORMATION PROVIDED BY STONE ENERGY CORPORATION.
6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WDEP.
7. APPEARS TO BE NO DEEP WELLS PERMITTED WITHIN 5,280'.
8. VOLUNTARY POOLING.
9. THIS PLAT AND/OR THE DEPICTIONS ARE UNDER NO CIRCUMSTANCES TO BE CONSTRUED AS ANY TYPE OF BOUNDARY SURVEY. THIS PLAT IS FOR OIL & GAS PURPOSES ONLY AND IS CREATED FOR THE USE OF THE WELL OPERATOR(S) ONLY.



02/17/2017

Erlewine 16 HU

District	Tax Map	Parcel	Lessee/Non-Leased	Address
12	12	15	Amanda Butler Heirs	Unknown
12	12	15	TH Exploration, LLC	550 Bailey Avenue Suite 510 Fort Worth, TX 76107 ✓
12	12	15	MM-Marcellus III, LP	508 W. Wall Street Midland, TX 79701 ✓
12	12	4	Amanda Butler Heirs	Unknown
12	12	4	TH Exploration, LLC	550 Bailey Avenue Suite 510 Fort Worth, TX 76107
12	12	4	MM-Marcellus III, LP	508 W. Wall Street Midland, TX 79701
12	7	23	Venable Royalty, Ltd	5910 North Central Expressway Suite 1470 Dallas, TX 75206 ✓
12	7	23	Verno, Ltd	5911 North Central Expressway Suite 1470 Dallas, TX 75206 ✓
12	7	23	SWN Production Company LLC	10000 Energy Drive Spring, TX 77389
12	7	24	Antero Resources Appalachian Corporation	1625 17th Street Denver, CO 80202 ✓
12	7	35	SWN Production Company LLC	10000 Energy Drive Spring, TX 77389
12	7	36	SWN Production Company LLC	10000 Energy Drive Spring, TX 77389
12	12	30.1	SWN Production Company LLC	10000 Energy Drive Spring, TX 77389
12	12	30.1	Statoil USA	2103 Citywest Boulevard Suite 800 Houston, TX 77042
12	12	6.1	Hilda A. Porter	7114 Dallas Pike Dallas, WV 26036 ✓
12	12	6.1	Carl William Goddard	Unknown
12	12	6.1	Arnold E. Smith	934 N. State Rt. 2 New Martinsville, WV 26155 ✓
12	12	6.1	MaryLou L. Smith	618 Foundry St. New Martinsville, WV 26155 ✓
12	12	6.1	David L. Smith	20 Steelton St. New Martinsville, WV 26155 ✓
12	12	6.1	Ralph O. Smith	128 Central St New Martinsville, WV 26155 ✓
12	12	6.1	Milton O. Smith	616 Foundry St. New Martinsville, WV 26155 ✓
12	12	6.1	Sonny L. Smith	Rt. 1 Box 89 New Martinsville, WV 26155 ✓
12	12	6.1	Nellie Suter	Unknown
12	12	29	George and Belinda Burton Heirs	4431 Scissortail Loop Westerville, OH 43981
12	11	5	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	12	45	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	6	30	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	6	36	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508

02/17/2017

12	6	38	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	7	39	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	12	27.1	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	12	28	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	7	38	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508

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550 Bailey Avenue, Suite 510
Fort Worth, TX 76107

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Please be advised that Stone Energy Corporation has applied to the Oil and Gas Conservation Commission for approval to intentionally deviate a new deep well. The Code of State Regulations Title 39 Section 1.4.10 requires that the Commission notify the offset operators of the applicants' intent to deviate the proposed well. You are receiving this notice because you are listed as an offset operator (unleased mineral owner is also an "offset operator") to the proposed well. Any offset operator has ten days to object to the Commissions' granting approval to the proposed deviation. If you file an objection, the Commission will schedule a hearing and you will be notified of the date and time to attend.

A copy of the location plat is enclosed for your review. If no objection(s) are received by June 10, 2015 the application will be processed in the normal manner.

If you have any questions please call me at (304) 926-0499, extension 1656.

Sincerely,

Cindy Raines
Executive Assistant

encl: as stated

02/17/2017



west virginia department of environmental protection

Oil and Gas Conservation Commission
601 57th Street, SE Charleston, WV 25304
(304)926-0499, Ext 1656

Earl Ray Tomblin, Governor
Barry K. Lay, Chairman
dep.wv.gov

May 21, 2015

Milton O Smith
616 Foundry Street
New Martinsville, WV 26155

RE: Intentional Deviation of New Deep Well - Erlewine 16HU

Dear Mr. Smith:

Please be advised that Stone Energy Corporation has applied to the Oil and Gas Conservation Commission for approval to intentionally deviate a new deep well. The Code of State Regulations Title 39 Section 1.4.10 requires that the Commission notify the offset operators of the applicants' intent to deviate the proposed well. You are receiving this notice because you are listed as an offset operator (unleased mineral owner is also an "offset operator") to the proposed well. Any offset operator has ten days to object to the Commission's granting approval to the proposed deviation. If you file an objection, the Commission will schedule a hearing and you will be notified of the date and time to attend.

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Cindy Raines
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02/17/2017



west virginia department of environmental protection

Oil and Gas Conservation Commission
601 57th Street, SE Charleston, WV 25304
(304)926-0499, Ext 1656

Earl Ray Tomblin, Governor
Barry K. Lay, Chairman
dep.wv.gov

May 21, 2015

Sonny L Smith
Route 1 Box 89
New Martinsville, WV 26155

RE: Intentional Deviation of New Deep Well - Erlewine 16HU

Dear Mr. Smith:

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Sincerely,

Cindy Raines
Executive Assistant

encl: as stated

02/17/2017

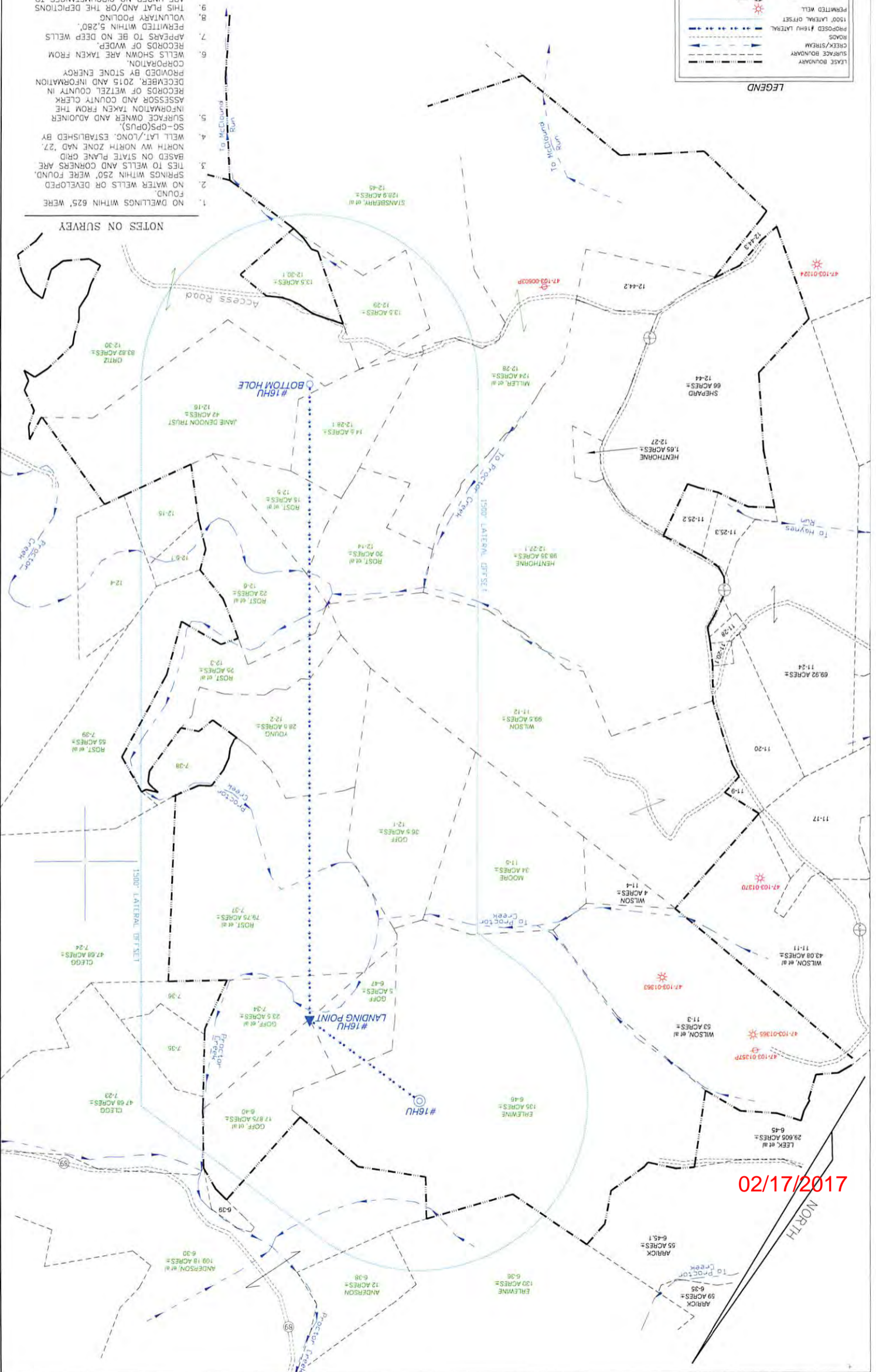
ERLEWINE #16HU OFFSET MAP

LEGEND

- LEAST BOUNDARY
- SURFACE BOUNDARY
- CREEK/STREAM
- PROPOSED #16HU LATERAL
- 1500' LATERAL OFFSET
- PERMITTED WELL
- ROAD/ROUTE NUMBER

1. NO DWELLINGS WITHIN 625' WERE FOUND.
 2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH W/ NORTH ZONE NAD 27. WELL LAT./LONG. ESTABLISHED BY SG-GPS(OPUS).
 3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WETZEL COUNTY IN DECEMBER, 2015 AND INFORMATION PROVIDED BY STONE ENERGY CORPORATION.
 4. WELLS SHOWN ARE TAKEN FROM RECORDS OF WDEP.
 5. APPEARS TO BE NO DEEP WELLS PERMITTED WITHIN 5,280' VOLUNTARY POOLING.
 6. THIS PLAN AND/OR THE DEPICTIONS ARE UNDER NO CIRCUMSTANCES TO BE CONSTRUED AS ANY TYPE OF BOUNDARY SURVEY. THIS PLAN IS FOR OIL & GAS PURPOSES ONLY AND IS CREATED FOR THE USE OF THE WELL OPERATOR(S) ONLY.

NOTES ON SURVEY



02/17/2017

Erlewine 16 HU

District	Tax Map	Parcel	Lessee/Non-Leased	Address
12	12	15	Amanda Butler Heirs	Unknown
12	12	15	TH Exploration, LLC	550 Bailey Avenue Suite 510 Fort Worth, TX 76107 ✓
12	12	15	MM-Marcellus III, LP	508 W. Wall Street Midland, TX 79701 ✓
12	12	4	Amanda Butler Heirs	Unknown
12	12	4	TH Exploration, LLC	550 Bailey Avenue Suite 510 Fort Worth, TX 76107
12	12	4	MM-Marcellus III, LP	508 W. Wall Street Midland, TX 79701
12	7	23	Venable Royalty, Ltd	5910 North Central Expressway Suite 1470 Dallas, TX 75206 ✓
12	7	23	Verno, Ltd	5911 North Central Expressway Suite 1470 Dallas, TX 75206 ✓
12	7	23	SWN Production Company LLC	10000 Energy Drive Spring, TX 77389
12	7	24	Antero Resources Appalachian Corporation	1625 17th Street Denver, CO 80202 ✓
12	7	35	SWN Production Company LLC	10000 Energy Drive Spring, TX 77389
12	7	36	SWN Production Company LLC	10000 Energy Drive Spring, TX 77389
12	12	30.1	SWN Production Company LLC	10000 Energy Drive Spring, TX 77389
12	12	30.1	Statoil USA	2103 Citywest Boulevard Suite 800 Houston, TX 77042
12	12	6.1	Hilda A. Porter	7114 Dallas Pike Dallas, WV 26036 ✓
12	12	6.1	Carl William Goddard	Unknown
12	12	6.1	Arnold E. Smith	934 N. State Rt. 2 New Martinsville, WV 26155 ✓
12	12	6.1	MaryLou L. Smith	618 Foundry St. New Martinsville, WV 26155 ✓
12	12	6.1	David L. Smith	20 Steelton St. New Martinsville, WV 26155 ✓
12	12	6.1	Ralph O. Smith	128 Central St New Martinsville, WV 26155 ✓
12	12	6.1	Milton O. Smith	616 Foundry St. New Martinsville, WV 26155 ✓
12	12	6.1	Sonny L. Smith	Rt. 1 Box 89 New Martinsville, WV 26155 ✓
12	12	6.1	Nellie Suter	Unknown
12	12	29	George and Belinda Burton Heirs	4431 Scissortail Loop Westerville, OH 43981
12	11	5	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	12	45	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	6	30	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	6	36	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508

02/17/2017

12	6	38	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	7	39	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	12	27.1	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	12	28	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508
12	7	38	Stone Energy Corporation	625 East Kaliste Saloom Road Lafayette, LA 70508

02/17/2017

Horizontal 6A Well Permit App. Checklist:

Received Date: 5/7/2015 API: 10303116
 Operator: STONE ENERGY CORPORATION WELL: 16HU
 Pad Name: ERLEWINE End Comment Period: 06/08/15
 Pad Built: Yes No Date Reviewed: _____ INT. _____

CHECKLIST FOR FILING A PERMIT
Horizontal 6A Well

Please include these required elements in the Horizontal Well 6A applications, in order listed below. Do not use staples.

First Well	Subsequent Well
10,150.00 <input type="checkbox"/>	5,150.00 <input checked="" type="checkbox"/>

Check#: 153921

- Fees Paid
- Checklist / Cover letter
- WW-6B Notice of Application
- Cement Additives
- Well Bore Schematic (not required)
- WW-9 Fluids/Cuttings Disposal and Reclamation Plan
- Site Safety Plan
- Water Management Plan
- Topographic map showing access road
- Mylar Plat (Signed and sealed) (Surface Owner matches WW-6A)
- WW-6A1 Lease Information
- Road Crossing Letter (if drilling under road)
- WW-PN Application Notice by Publication
- Public Notice (dated copy of advertisement or affidavit of publication)
- WW-6AC Notice Certifications and Waivers
- WW-6A Notice of Application notarized w/ any attachments
- Topographic Map with labeled surrounding water wells (not required)
- Certified Mail receipts for WW-6A (NOD sent 05/11/15)
- WW-6A3 Notice of Entry for Plat Survey (if one was conducted) NOD 05/11/15
- Field Approved
- Field Approved
- Field Approved
- DWWM Approval
- Plat Spotted

02/17/2017

- Certified Mail receipts for WW-6A3
- WW-6A4 Notice of Intent to Drill (if no WW-6A3) *NOD sent 05/11/15*
- Certified Mail receipts for WW-6A4 *N.*
- WW-6A5 Notice of Planned Operation *NOD 05/11/15*
- Certified Mail receipts for WW-6A5
- WW-6RW Well Location Restriction Waiver (if applicable)
- WW-6RW Voluntary Statement of No Objection (if applicable)
 - Waiver for Surface Owner at Wellhead
 - Waiver for Surface Owner for Roads or other Disturbances
 - Waiver for Coal Owner, Operator or Lessee
 - Waiver for surface owner for Impoundment or Pit
 - Waiver for Surface Owner or Water Purveyor within 1500 feet of Center of Pad
 - Waiver for Natural gas Storage Field Operator
- DOH Road Bonding Letter
- Frac Additives List of Chemical Names & CAS#s
- Site Construction, Reclamation, Erosion & Sediment Control Plans DEP Engineer Approved
- MSDS Sheets

Reviewer outside checks:

- Comments - Public, Surface Owner, Water Well Purveyor
- Bond (\$250,000)
- Operator is registered with the SOS
- Workers Compensation / Unemployment Insurance account is OK
- Professional Engineer/Company has COA
- Check for mine data at proposed coordinates
- Check for floodplain data at proposed coordinates

- IMP-1A Associated Pit or Impoundment (if applicable)
- WW-6A7 Well Restrictions Form w/ Signature
 - At Least 100 Feet from Pad and LOD (including any ES Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland
 - DEP Waiver and Permit Conditions
 - At Least 300 Feet from Pad and LOD (including any ES Control Feature) to any Naturally Producing Trout Stream
 - DEP Waiver and Permit Conditions
 - At Least 1000 Feet from Pad and LOD (including any ES Control Feature) to any Groundwater Intake or Public Water Supply
 - DEP Waiver and Permit Conditions
 - At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled
 - Surface Owner Waiver and Recorded with County Clerk, OR
 - DEP Variance and Permit Conditions
 - At Least 625 Feet from an Occupied Dwelling Structure to the Center of the Pad
 - Surface Owner Waiver and Recorded with County Clerk, OR
 - DEP Variance and Permit Conditions
 - At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad
 - Surface Owner Waiver and Recorded with County Clerk, OR
 - DEP Variance and Permit Conditions

OPERATOR: Stone Energy Corporation

PAD NAME: Erlewine WELL: #16HU

PAD BUILT: YES NO DATE REVIEWED: INT.

REVIEWED BY (APPLICANT): Timothy P. McGregor

CONTACT PHONE: (304) 225-1788 EMAIL: McGregorTP@StoneEnergy.com

APPLICANT SIGNATURE: 

*CK# 153921
5,150.00*

**CHECKLIST FOR FILING A PERMIT
HORIZONTAL 6A WELL**

Please include these required elements in the Horizontal Well 6A applications, in order listed below.
Do not use staples.

First Well	Subsequent Well
\$10,150.00 <input type="checkbox"/>	\$5,150.00 <input checked="" type="checkbox"/>

- Fees
- Checklist / Cover letter
- WW-6B Notice of Application Field Approved
- Cement Additives
- Well Bore Schematic
- WW-9 Fluids/Cuttings Disposal and Reclamation Plan Field Approved
- Site Safety Plan Field Approved
- Water Management Plan DWWM Approval
- Topographic Map w/water purveyors, showing access road
- Mylar Plat (Signed and sealed) (Surface Owner matches WW-6A)
- WW-6A1 Lease Information
- Road Crossing Letter
- WW-PN Application Notice by Publication
- Public Notice (dated copy of advertisement or affidavit of publication)

Received
Office of Oil & Gas
MAY 07 2015

- WW-6AC Notice Certifications, notarized
- WW-6A Notice of Application notarized w/ any attachments
- Topographic Map with labeled surrounding water wells
- Certified Mail receipts for WW-6A
- WW-6A3 Notice of Entry for Plat Survey
- Certified Mail receipts for WW-6A3
- WW-6A4 Notice of Intent to Drill
- NA Certified Mail receipts for WW-6A4 *-hand delivered*
- WW-6A5 Notice of Planned Operation
- Certified Mail receipts for WW-6A5
- NA WW-6RW Well Location Restriction Waiver
- WW-6AW Voluntary Statement of No Objection
 - Waiver for Surface Owner at Wellhead
 - Waiver for Surface Owner for Roads or other Disturbances
 - Waiver for Coal Owner, Operator or Lessee
 - Waiver for surface owner for Impoundment or Pit
 - Waiver for Surface Owner or Water Purveyor within 1500 feet of Center of Pad
 - Waiver for Natural gas Storage Field Operator
- Road Bonding Agreement / DOH Certification
- Frac Additives List of Chemical Names & CAS #s
- Site Construction, Reclamation, Erosion & Sediment Control Plans Field Approved
- Copy of To Scale Plans *-SEE ENGINEERING PLANS*
- Inspector packet mailed to inspector (Plat, Topographic Map, WW-6B, WW-9, All Plans)
- Bond (\$250,000)
- Operator is registered with the SOS

Received
Office of Oil & Gas
 MAY 07 2015

✓ Workers Compensation / Unemployment Insurance account is OK

✓ Professional Engineer/Company has COA

NA Check for Mine Data at proposed coordinates

NA Check for Floodplain Data at proposed coordinates

NA IMP-1A Associated Pit or Impoundment

✓ WW-6A7 Well Restrictions Form w/ Signature

NA At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland

NA DEP Waiver and Permit Conditions

NA At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream

NA DEP Waiver and Permit Conditions

NA At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply

NA DEP Waiver and Permit Conditions

NA At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled

NA Surface Owner Waiver and Recorded with County Clerk, OR

NA DEP Variance and Permit Conditions

NA At Least 625 Feet from an Occupied Dwelling Structure to the Center of the Pad

NA Surface Owner Waiver and Recorded with County Clerk, OR

NA DEP Variance and Permit Conditions

NA At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad

NA Surface Owner Waiver and Recorded with County Clerk, OR

NA DEP Variance and Permit Conditions

Received
Office of Oil & Gas
MAY 07 2015



May 4, 2015

Ashley LeMasters & Laura Adkins
West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th Street SE
Charleston, West Virginia 25304

RE: Proposed Erlewine Utica #12HU, 14HU & 16HU Wetzel Co.
Well work permit applications.
These are additional permits for the Erlewine unit in Wetzel County.

Dear Ashley and Laura:

Please find enclosed three deep well permits for our Erlewine unit. The Erlewine pad site is an existing pad site having 9 current permit API wells starting with #47-10302950. (Farm Name: Erlewine, Richard)

If you require any additional information, do not hesitate to contact me.

Thank you for your assistance.

Best Regards,

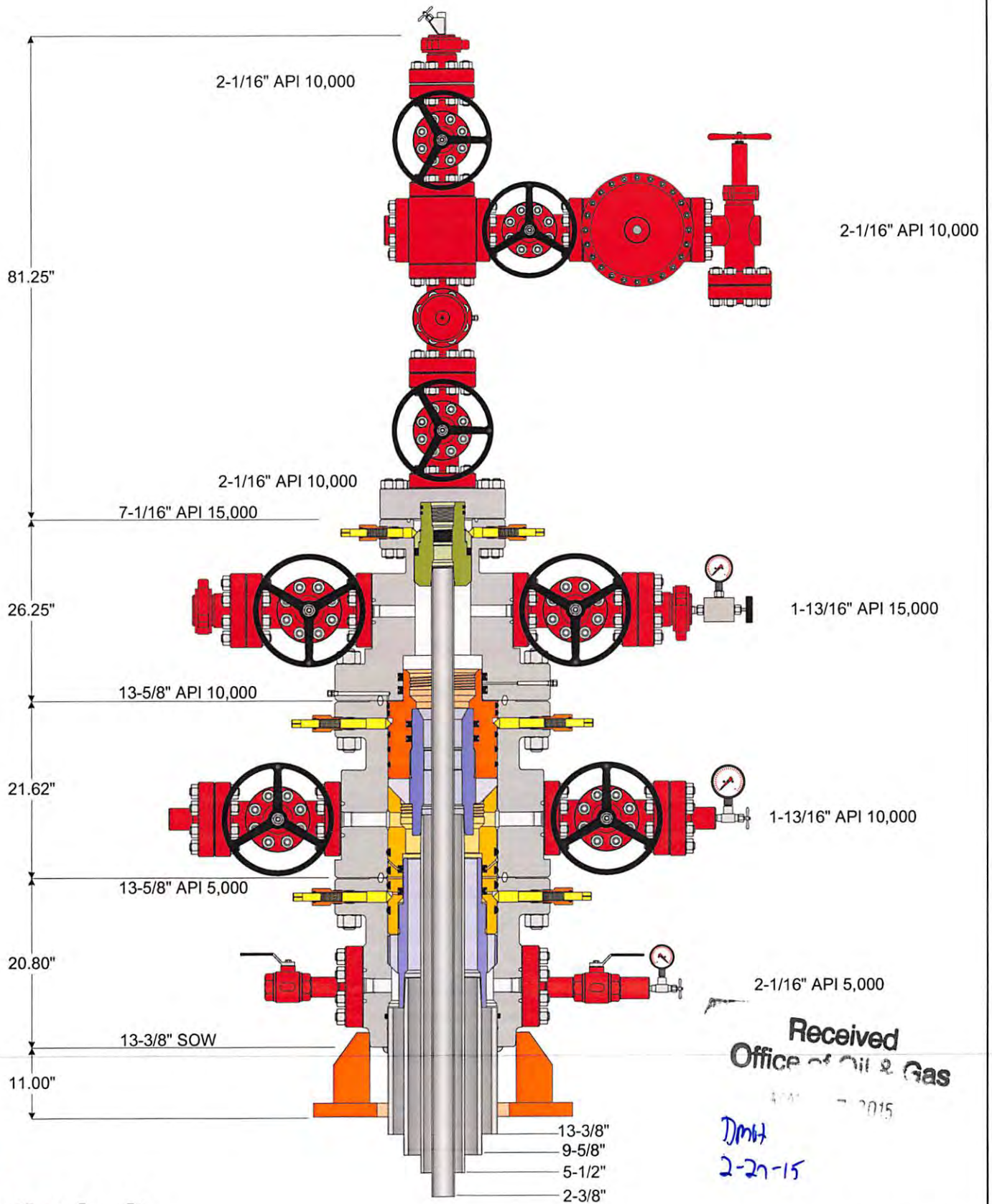
A handwritten signature in blue ink, appearing to read "Tim McGregor".

Tim McGregor
Land Coordinator
Stone Energy Corporation
(304) 225-1788
mcgregortp@stoneenergy.com

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

NOTE: THIS DRAWING IS NOT TO SCALE. THE DIMENSIONS REFLECTED ON THIS DRAWING ARE ESTIMATED DIMENSIONS AND ARE FOR REFERENCE ONLY.



Received
Office of Oil & Gas
2015

Dmit
2-27-15



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Customer: STONE ENERGY	Project No.: 97141	Quote No.: 207578
Project Name: UTICA	Date: 02/26/2014	Drawn By: 02/17/2017 SS

WW-9
(2/15)

API Number 47 - 103 -
Operator's Well No. #16HU

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Stone Energy Corporation OP Code 494490923

Watershed (HUC 10) Tributary of Proctor Creek Quadrangle New Martinsville

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes No If so, what ml.? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 2D0855151, 2D0859721, 34-121-24086, 34-121-23995, 34-105-23619)
- Reuse (at API Number Flow back to be stored in tanks and used at an as yet to be determined well pad)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain)

Will closed loop system be used? If so, describe: Cuttings will be taken off the drying shakers and fluids will be returned to the system

*DMH
5-4-15*

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.
Vertical-Air/Foam/Drilling Soap Curve and Lateral-Saturated Salt

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? See attached WW-9 Addendum

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Dewater and dispose of in an approved and permitted landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? Wetzel Co. Sanitary Landfill (SWF-1021/WV0109185)
Brooke Co. Landfill (SWPU 14-04-16)

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Timothy P. McGregor*
Company Official (Typed Name) Timothy P. McGregor
Company Official Title Land Coordinator

Received
Office of Oil & Gas
MAY 07 2015

Subscribed and sworn before me this 28th day of April, 2015

Danielle L. Snoderly
My commission expires 5/18/2021



02/17/2017

Stone Energy Corporation

Proposed Revegetation Treatment: Acres Disturbed 21.6 Prevegetation pH _____

Lime 2.0 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount 500 to 750 lbs/acre

Mulch 0.50 to 0.75 plus Straw Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Marcellus Mix	100.0
White or Ladino Clover	10.0
Orchard Grass	40.0
Winter Rye	50.0

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Marcellus Mix	100.0
White or Ladino Clover	10.0
Orchard Grass	40.0
Winter Rye	50.0

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

Comments: _____

Title: Oil + Gas Inspector

Date: 5-4-15

Field Reviewed? Yes No

Received
Office of Oil & Gas
MAY 07 2015



Well Site Safety Plan

Erlewine Well Pad

Proctor District, Wetzel County

Erlewine 16HU

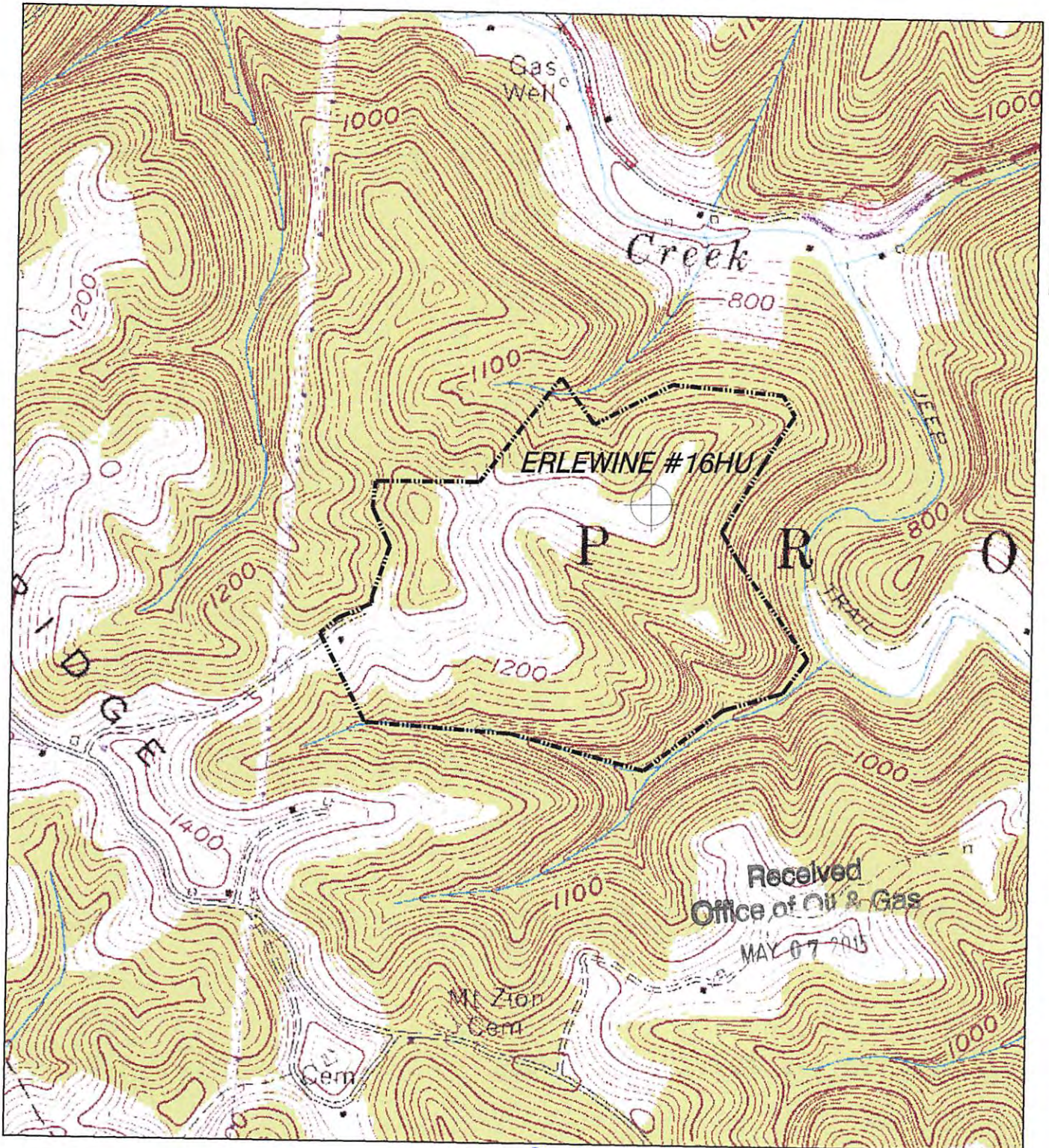
*DMH
2-27-15*

Stone Energy Corporation
1300 Ft. Pierpont Rd
Suite 201
Morgantown, West Virginia 26508
(304)225-1600

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

Stone Energy Corporation Erlewine #16HU



DMH 2-22-15

HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147
PH: (304)354-7035 E-MAIL: hupp@frontiernet.net

1" = 1000'
New Martinsville 7.5'

Stone Energy Corp.
1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508

02/17/2017

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
----------------------	-----------------------	-----------------------	---------	-----------

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

Received
Office of Oil & Gas
MAY 07 2015

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Stone Energy Corporation
 By: *Roger L. Outright*
 Its: Land Manager/Special Counsel

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page	Map/Parcel	Code
Richard L. Erlewine	Stone Energy Corporation	1/8	134A/131	12-6-46	A
Ronald Carney and Glenna R. Carney	Stone Energy Corporation	1/8	123/459	12-6-46	A
Ralph Douglas Huff and Jean Huff	Stone Energy Corporation	1/8	123/461	12-6-46	A
Joyce Ellen Cokeley	Stone Energy Corporation	1/8	123/465	12-6-46	A
Nita Adkins and Ronald R. Adkins	Stone Energy Corporation	1/8	123/463	12-6-46	A
Jill Stanley	Stone Energy Corporation	1/8	123/469	12-6-46	A
Charlene Wade and Gary L. Wade	Stone Energy Corporation	1/8	123/471	12-6-46	A
Judy Bertrand	Stone Energy Corporation	1/8	123/467	12-6-46	A
Doreen Judge	Stone Energy Corporation	1/8	123/473	12-6-46	A
Gerald Judge	Stone Energy Corporation	1/8	123/475	12-6-46	A
Paul Loman Miller Heirs	Stone Energy Corporation	1/8	13-c-100	12-6-46	A
B&R Construction, Inc	Stone Energy Corporation	1/8	110A/41	12-11-3	B
Shiben Estates, Inc	Stone Energy Corporation	1/8	149A/276	12-6-47	C
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-6-47	C
Seigler Family Trust	Stone Energy Corporation	1/8	144A/890	12-6-47	C
Mary Ballouz Davis	Stone Energy Corporation	1/8	144A/876	12-6-47	C
Deborah Rein	Stone Energy Corporation	1/8	144A/858	12-6-47	C
Rosalyn A. Metzger	Stone Energy Corporation	1/8	144A/856	12-6-47	C
Shiben Estates, Inc.	Stone Energy Corporation	1/8	155A/629	12-6-40	D
Hazel Blair	Stone Energy Corporation	1/8	145A/882	12-6-40	D
John Anderson	Stone Energy Corporation	1/8	145A/880	12-6-40	D
Hilda Baxter	Stone Energy Corporation	1/8	145A/890	12-6-40	D
Albert Ray Anderson	Stone Energy Corporation	1/8	145A/892	12-6-40	D
David Michael Anderson	Stone Energy Corporation	1/8	147A/246	12-6-40	D
Mary McDaniels	Stone Energy Corporation	1/8	147A/262	12-6-40	D
Robert L. Anderson	Stone Energy Corporation	1/8	145A/898	12-6-40	D
Seigler Family Trust	Stone Energy Corporation	1/8	144A/890	12-6-40	D
Mary Ballouz Davis	Stone Energy Corporation	1/8	144A/876	12-6-40	D
Deborah Rein	Stone Energy Corporation	1/8	144A/858	12-6-40	D
Rosalyn A. Metzger	Stone Energy Corporation	1/8	144A/856	12-6-40	D
Shiben Estates, Inc	Stone Energy Corporation	1/8	155A/629	12-7-34	E
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-7-34	E
Seigler Family Trust	Stone Energy Corporation	1/8	144A/890	12-7-34	E
Mary Ballouz Davis	Stone Energy Corporation	1/8	144A/876	12-7-34	E
Deborah Rein	Stone Energy Corporation	1/8	144A/858	12-7-34	E
Rosalyn A. Metzger	Stone Energy Corporation	1/8	144A/856	12-7-34	E
Mary Jo Burton	Stone Energy Corporation	1/8	126A/335	12-7-37	F
Naomi Madelyn Jones	Stone Energy Corporation	1/8	126A/337	12-7-37	F
Linda Lee Roberts	Stone Energy Corporation	1/8	126A/339	12-7-37	F
Pamela Doreen Burlingame	Stone Energy Corporation	1/8	126A/641	12-7-37	F
Shiben Estates, Inc	Stone Energy Corporation	1/8	155A/629	12-12-1	G
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-1	G
Seigler Family Trust	Stone Energy Corporation	1/8	144A/890	12-12-1	G
Mary Ballouz Davis	Stone Energy Corporation	1/8	144A/876	12-12-1	G
Deborah Rein	Stone Energy Corporation	1/8	144A/858	12-12-1	G
Rosalyn A. Metzger	Stone Energy Corporation	1/8	144A/856	12-12-1	G
Gladys V. Anthony	Stone Energy Corporation	1/8	137A/214	12-11-5	H
Florence E. Straub	Stone Energy Corporation	1/8	135A/393	12-11-5	H
Emma J. Rufener	Stone Energy Corporation	1/8	137A/376	12-11-5	H

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Lucille Smith	Stone Energy Corporation	1/8	135A/411	12-11-5	H
Highland Richard Smith	Stone Energy Corporation	1/8	135A/409	12-11-5	H
Vera Smith	Stone Energy Corporation	1/8	135A/405	12-11-5	H
Stanley Dwight Smith	Stone Energy Corporation	1/8	135A/425	12-11-5	H
Debbie Rustemeyer	Stone Energy Corporation	1/8	137A/224	12-11-5	H
Mary Lou Tucker	Stone Energy Corporation	1/8	137A/290	12-11-5	H
Ruth Ann Lancaster	Stone Energy Corporation	1/8	137A/210	12-11-5	H
Larry David Smith	Stone Energy Corporation	1/8	137A/208	12-11-5	H
Allan Gene Smith	Stone Energy Corporation	1/8	137A/292	12-11-5	H
Andrea Lynn Crawford	Stone Energy Corporation	1/8	137A/288	12-11-5	H
Connie Thomas	Stone Energy Corporation	1/8	137A/286	12-11-5	H
Carolyn Shinn	Stone Energy Corporation	1/8	139A/592	12-11-5	H
Ralph Douglas Huff	Stone Energy Corporation	1/8	139A/842	12-11-5	H
Joyce E. Weltz	Stone Energy Corporation	1/8	137A/296	12-11-5	H
Dale J. Huggins	Stone Energy Corporation	1/8	137A/216	12-11-5	H
Rhonda Lynn White	Stone Energy Corporation	1/8	137A/218	12-11-5	H
Brian R. Hoskins	Stone Energy Corporation	1/8	139A/602	12-11-5	H
Craig M. Hoskins	Stone Energy Corporation	1/8	137A/222	12-11-5	H
Mark Scott Hoskins	Stone Energy Corporation	1/8	137A/220	12-11-5	H
Alberta R. Nichols	Stone Energy Corporation	1/8	137A/212	12-11-5	H
Hannah Virginia Carr	Stone Energy Corporation	1/8	137A/851	12-11-5	H
Sue Ann Erb	Stone Energy Corporation	1/8	137A/388	12-11-5	H
Mary Carr	Stone Energy Corporation	1/8	137A/376	12-11-5	H
Kathleen Powers	Stone Energy Corporation	1/8	137A/294	12-11-5	H
Leona Bowers	Stone Energy Corporation	1/8	13-c-107	12-11-5	H
Judith A. Krueger	Stone Energy Corporation	1/8	144A/884	12-11-5	H
Alan Lee Smith	Stone Energy Corporation	1/8	137A/206	12-11-5	H
Bayer Materials Science LLC	Stone Energy Corporation	1/8	127A/713	12-11-4	I
Mary Etta Taylor	Stone Energy Corporation	1/8	137A/262	12-11-4	I
David Robert Taylor	Stone Energy Corporation	1/8	137A/264	12-11-4	I
Herbert Matthew Taylor	Stone Energy Corporation	1/8	137A/266	12-11-4	I
Korene Sue Lantz	Stone Energy Corporation	1/8	137A/236	12-11-4	I
Howard Glenn Taylor	Stone Energy Corporation	1/8	137A/234	12-11-4	I
Loretta Maxine Dougherty	Stone Energy Corporation	1/8	137A/268	12-11-4	I
Judy Taylor	Stone Energy Corporation	1/8	137A/260	12-11-4	I
William Oscar Taylor	Stone Energy Corporation	1/8	137A/258	12-11-4	I
Elizabeth Ann Bennett	Stone Energy Corporation	1/8	137A/272	12-11-4	I
Patty Lantz	Stone Energy Corporation	1/8	139A/598	12-11-4	I
Robin Rose	Stone Energy Corporation	1/8	137A/270	12-11-4	I
Melissa Ann Braun	Stone Energy Corporation	1/8	137A/280	12-11-4	I
Ronald E. Rogerson	Stone Energy Corporation	1/8	137A/278	12-11-4	I
Randall C. Rogerson	Stone Energy Corporation	1/8	137A/274	12-11-4	I
Robert E. Rogerson	Stone Energy Corporation	1/8	137A/276	12-11-4	I
Russell W. Rogerson	Stone Energy Corporation	1/8	137A/352	12-11-4	I
Carolyn White	Stone Energy Corporation	1/8	137A/252	12-11-4	I
Howard Henry	Stone Energy Corporation	1/8	137A/230	12-11-4	I
Eugene Henry	Stone Energy Corporation	1/8	137A/250	12-11-4	I
Dorothy Tedrow	Stone Energy Corporation	1/8	137A/256	12-11-4	I
Elize Henry	Stone Energy Corporation	1/8	137A/246	12-11-4	I
Donald Henry	Stone Energy Corporation	1/8	137A/254	12-11-4	I
Ronald Henry	Stone Energy Corporation	1/8	137A/248	12-11-4	I
Arnold Henry	Stone Energy Corporation	1/8	137A/232	12-11-4	I
Fred Henry	Stone Energy Corporation	1/8	131A/924	12-11-4	I
Ron Keller	Stone Energy Corporation	1/8	137A/244	12-11-4	I
Diane Batten	Stone Energy Corporation	1/8	137A/242	12-11-4	I
Phillip C. Rine	Stone Energy Corporation	1/8	137A/238	12-11-4	I
William Taylor	Stone Energy Corporation	1/8	137A/258	12-11-4	I
Linda Keller aka Linda Augsbach	Stone Energy Corporation	1/8	137A/240	12-11-4	I
Pearl Keller	Stone Energy Corporation	1/8	137A/228	12-11-4	I
Gladys Rine Smith	Stone Energy Corporation	1/8	137A/226	12-11-4	I
Frederick Allen Henry	Stone Energy Corporation	1/8	132A/329	12-11-4	I

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John W Parson	Stone Energy Corporation	1/8	13-C-108	12-11-4	I
Gladys V. Anthony	Stone Energy Corporation	1/8	137A/214	12-11-4	I
Florence E. Straub	Stone Energy Corporation	1/8	135A/393	12-11-4	I
Emma J. Rufener	Stone Energy Corporation	1/8	137A/374	12-11-4	I
Lucille Smith	Stone Energy Corporation	1/8	135A/411	12-11-4	I
Highland Richard Smith	Stone Energy Corporation	1/8	135A/409	12-11-4	I
Vera Smith	Stone Energy Corporation	1/8	135A/405	12-11-4	I
Stanley Smith	Stone Energy Corporation	1/8	135A/425	12-11-4	I
Debbie Rustemeyer	Stone Energy Corporation	1/8	137A/224	12-11-4	I
Mary Lou Tucker	Stone Energy Corporation	1/8	137A/290	12-11-4	I
Ruth Ann Lancaster	Stone Energy Corporation	1/8	137A/210	12-11-4	I
Larry David Smith	Stone Energy Corporation	1/8	137A/208	12-11-4	I
Allan Gene Smith	Stone Energy Corporation	1/8	137A/292	12-11-4	I
Andrea Lynn Crawford	Stone Energy Corporation	1/8	137A/288	12-11-4	I
Connie Thomas	Stone Energy Corporation	1/8	137A/286	12-11-4	I
Carolyn Shinn	Stone Energy Corporation	1/8	139A/592	12-11-4	I
Ralph Douglas Huff	Stone Energy Corporation	1/8	139A/842	12-11-4	I
Joyce Ellen Weltz	Stone Energy Corporation	1/8	137A/296	12-11-4	I
Dale J. Huggins	Stone Energy Corporation	1/8	137A/216	12-11-4	I
Rhoda Lynn White	Stone Energy Corporation	1/8	137A/218	12-11-4	I
Brian R. Hoskins	Stone Energy Corporation	1/8	139A/602	12-11-4	I
Craig M. Hoskins	Stone Energy Corporation	1/8	137A/222	12-11-4	I
Mark Scott Hoskins	Stone Energy Corporation	1/8	137A/220	12-11-4	I
Alberta Nichols	Stone Energy Corporation	1/8	137A/212	12-11-4	I
Hannah Virginia Carr	Stone Energy Corporation	1/8	137A/851	12-11-4	I
Sue Ann Erb	Stone Energy Corporation	1/8	137A/388	12-11-4	I
Mary Carr	Stone Energy Corporation	1/8	137A/376	12-11-4	I
Kathleen Powers	Stone Energy Corporation	1/8	137A/294	12-11-4	I
Leona Bowers	Stone Energy Corporation	1/8	13-c-108	12-11-4	I
Judith A. Krueger	Stone Energy Corporation	1/8	144A/884	12-11-4	I
Alan Lee Smith	Stone Energy Corporation	1/8	137A/206	12-11-4	I
Bayer Materials Science LLC	Stone Energy Corporation	1/8	127A/713	12-11-12	J
Mary Etta Taylor	Stone Energy Corporation	1/8	137A/262	12-11-12	J
David Robert Taylor	Stone Energy Corporation	1/8	137A/264	12-11-12	J
Herbert Matthew Taylor	Stone Energy Corporation	1/8	137A/266	12-11-12	J
Korene Sue Lantz	Stone Energy Corporation	1/8	137A/236	12-11-12	J
Howard Glenn Taylor	Stone Energy Corporation	1/8	137A/234	12-11-12	J
Loretta Maxine Dougherty	Stone Energy Corporation	1/8	137A/268	12-11-12	J
Judy Taylor	Stone Energy Corporation	1/8	137A/260	12-11-12	J
William Oscar Taylor	Stone Energy Corporation	1/8	137A/258	12-11-12	J
Elizabeth Ann Bennett	Stone Energy Corporation	1/8	137A/272	12-11-12	J
Patty Lantz	Stone Energy Corporation	1/8	139A/598	12-11-12	J
Robin Rose	Stone Energy Corporation	1/8	137A/270	12-11-12	J
Melissa Ann Braun	Stone Energy Corporation	1/8	137A/280	12-11-12	J
Ronald E. Rogerson	Stone Energy Corporation	1/8	137A/278	12-11-12	J
Randall C. Rogerson	Stone Energy Corporation	1/8	137A/274	12-11-12	J
Robert E. Rogerson	Stone Energy Corporation	1/8	137A/276	12-11-12	J
Russell W. Rogerson	Stone Energy Corporation	1/8	137A/352	12-11-12	J
Carolyn White	Stone Energy Corporation	1/8	137A/252	12-11-12	J
Howard Henry	Stone Energy Corporation	1/8	137A/230	12-11-12	J
Eugene Henry	Stone Energy Corporation	1/8	137A/250	12-11-12	J
Dorothy Tedrow	Stone Energy Corporation	1/8	137A/256	12-11-12	J
Elize Henry	Stone Energy Corporation	1/8	137A/246	12-11-12	J
Donald Henry	Stone Energy Corporation	1/8	137A/254	12-11-12	J
Ronald Henry	Stone Energy Corporation	1/8	137A/248	12-11-12	J
Arnold Henry	Stone Energy Corporation	1/8	137A/232	12-11-12	J
Fred Henry	Stone Energy Corporation	1/8	131A/924	12-11-12	J
Ron Keller	Stone Energy Corporation	1/8	137A/244	12-11-12	J
Diane Batten	Stone Energy Corporation	1/8	137A/242	12-11-12	J
Phillip C. Rine	Stone Energy Corporation	1/8	137A/238	12-11-12	J
William Taylor	Stone Energy Corporation	1/8	137A/258	12-11-12	J

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Linda Keller aka Linda Augsburg	Stone Energy Corporation	1/8	137A/240	12-11-12	J
Pearl Keller	Stone Energy Corporation	1/8	137A/228	12-11-12	J
Gladys Rine Smith	Stone Energy Corporation	1/8	137A/226	12-11-12	J
Frederick Allen Henry	Stone Energy Corporation	1/8	132A/329	12-11-12	J
John W Parson	Stone Energy Corporation	1/8	13-C-108	12-11-12	J
Gladys V. Anthony	Stone Energy Corporation	1/8	137A/214	12-11-12	J
Florence E. Straub	Stone Energy Corporation	1/8	135A/393	12-11-12	J
Emma J. Rufener	Stone Energy Corporation	1/8	137A/374	12-11-12	J
Lucille Smith	Stone Energy Corporation	1/8	135A/411	12-11-12	J
Highland Richard Smith	Stone Energy Corporation	1/8	135A/409	12-11-12	J
Vera Smith	Stone Energy Corporation	1/8	135A/405	12-11-12	J
Stanley Smith	Stone Energy Corporation	1/8	135A/425	12-11-12	J
Debbie Rustmeyer	Stone Energy Corporation	1/8	137A/224	12-11-12	J
Mary Lou Tucker	Stone Energy Corporation	1/8	137A/290	12-11-12	J
Ruth Ann Lancaster	Stone Energy Corporation	1/8	137A/210	12-11-12	J
Larry David Smith	Stone Energy Corporation	1/8	137A/208	12-11-12	J
Alan Gene Smith	Stone Energy Corporation	1/8	137A/292	12-11-12	J
Andrea Lynn Crawford	Stone Energy Corporation	1/8	137A/288	12-11-12	J
Connie Thomas	Stone Energy Corporation	1/8	137A/286	12-11-12	J
Carolyn Shinn	Stone Energy Corporation	1/8	139A/592	12-11-12	J
Ralph Douglas Huff	Stone Energy Corporation	1/8	139A/842	12-11-12	J
Joyce Ellen Weltz	Stone Energy Corporation	1/8	137A/296	12-11-12	J
Dale J. Huggins	Stone Energy Corporation	1/8	137A/216	12-11-12	J
Rhoda Lynn White	Stone Energy Corporation	1/8	137A/218	12-11-12	J
Brian R. Hoskins	Stone Energy Corporation	1/8	139A/602	12-11-12	J
Craig M. Hoskins	Stone Energy Corporation	1/8	137A/222	12-11-12	J
Mark Scott Hoskins	Stone Energy Corporation	1/8	137A/220	12-11-12	J
Alberta Nichols	Stone Energy Corporation	1/8	137A/212	12-11-12	J
Hannah Virginia Carr	Stone Energy Corporation	1/8	137A/851	12-11-12	J
Sue Ann Erb	Stone Energy Corporation	1/8	137A/388	12-11-12	J
Mary Carr	Stone Energy Corporation	1/8	137A/376	12-11-12	J
Kathleen Powers	Stone Energy Corporation	1/8	137A/294	12-11-12	J
Leona Bowers	Stone Energy Corporation	1/8	13-c-109	12-11-12	J
Judith A. Krueger	Stone Energy Corporation	1/8	144A/884	12-11-12	J
Alan Lee Smith	Stone Energy Corporation	1/8	137A/206	12-11-12	J
Judith A. Hill, agent and attorney for Gladys Smith Anthony	Stone Energy Corporation	1/8	161A/487	12-12-2	K
Florence Smith Straub	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Emma Rufener	Stone Energy Corporation	1/8	161A/507	12-12-2	K
Highland Richmond Smith	Stone Energy Corporation	1/8	161A/547	12-12-2	K
Brenda Van Camp	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Debra Williams	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Sheila Wade	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Lawrence R. Smith, Jr.	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Vera Smith	Stone Energy Corporation	1/8	161A/539	12-12-2	K
Lynne Smith Wyatt	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Dana Smith	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Cheryl Owen	Stone Energy Corporation	1/8	161A/545	12-12-2	K
Alberta Nichols	Stone Energy Corporation	1/8	161A/529	12-12-2	K
Hannah Virginia Carr	Stone Energy Corporation	1/8	161A/503	12-12-2	K
Sue Ann Erb	Stone Energy Corporation	1/8	161A/509	12-12-2	K
Mary Carr	Stone Energy Corporation	1/8	161A/533	12-12-2	K
Kathleen M. Powers	Stone Energy Corporation	1/8	161A/489	12-12-2	K
Ralph Douglas Huff	Stone Energy Corporation	1/8	161A/505	12-12-2	K
Joyce Ellen Weltz	Stone Energy Corporation	1/8	161A/523	12-12-2	K
Stanley Dwight Smith	Stone Energy Corporation	1/8	161A/495	12-12-2	K
Debbie Rustmeyer	Stone Energy Corporation	1/8	161A/537	12-12-2	K
Larry David Smith	Stone Energy Corporation	1/8	161A/485	12-12-2	K
Mary Lou Tucker	Stone Energy Corporation	1/8	161A/510	12-12-2	K
Alan Gene Smith	Stone Energy Corporation	1/8	161A/541	12-12-2	K

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Ruth Ann Lancaster	Stone Energy Corporation	1/8	161A/549	12-12-2	K
Andrea Lynn Crawford	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Connie Thomas	Stone Energy Corporation	1/8	161A/527	12-12-2	K
Dale J. Huggins	Stone Energy Corporation	1/8	161A/543	12-12-2	K
Rhonda Lynn White	Stone Energy Corporation	1/8	161A/491	12-12-2	K
Craig M. Hoskins	Stone Energy Corporation	1/8	Memorandum Included	12-12-2	K
Mark Scott Hoskins	Stone Energy Corporation	1/8	161A/513	12-12-2	K
Judith Arlene Smith Krueger	Stone Energy Corporation	1/8	160A/943	12-12-2	K
Alan Lee Smith	Stone Energy Corporation	1/8	160A/941	12-12-2	K
Antero Resources Appalachian Corporation	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-3	L
Antero Resources Appalachian Corporation	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-6	M
Antero Resources Appalachian Corporation	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-5	N
Antero Resources Appalachian Corporation	Stone Energy Corporation	1/8	152A/410	12-12-14	O
Roxanna Yost Hafer	Stone Energy Corporation	1/8	161A/3	12-12-14	O
Roger E. Woodington	Stone Energy Corporation	1/8	161A/515	12-12-14	O
Richard H. Arman	Stone Energy Corporation	1/8	160A/945	12-12-14	O
James W. Arman	Stone Energy Corporation	1/8	160A/947	12-12-14	O
Thomas D. Arman	Stone Energy Corporation	1/8	161A/497	12-12-14	O
Vicki S. Voorhis & Norman K. Voorhis	Stone Energy Corporation	1/8	160A/949	12-12-14	O
Charlie Kolish	Stone Energy Corporation	1/8	161A/499	12-12-14	O
Charles Kolish, Jr.	Stone Energy Corporation	1/8	161A/501	12-12-14	O
Wanda R. Springston	Stone Energy Corporation	1/8	119A/353	12-12-27.1	P
Joyce Meeden	Stone Energy Corporation	1/8	121A/51	12-12-27.1	P
Marylyn Hart	Stone Energy Corporation	1/8	119A/347	12-12-27.1	P
Janet Reeves	Stone Energy Corporation	1/8	119A/349	12-12-27.1	P
Beverly K. Campbell	Stone Energy Corporation	1/8	119A/351	12-12-27.1	P
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-27.1	P
Malcom O. Hall and Bonnie L. Hall	Stone Energy Corporation	1/8	136A/511	12-12-44	Q
Wanda R. Springston	Stone Energy Corporation	1/8	119A/473	12-12-44	Q
Joyce Meeden	Stone Energy Corporation	1/8	122A/853	12-12-44	Q
Marylyn Hart	Stone Energy Corporation	1/8	119A/467	12-12-44	Q
Janet Reeves	Stone Energy Corporation	1/8	119A/469	12-12-44	Q
Beverly K. Campbell	Stone Energy Corporation	1/8	119A/471	12-12-44	Q
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-44	Q
Sharon L. Henthorn	Stone Energy Corporation	1/8	127A/662	12-12-27	R
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-28	S
Ruth E. Blake	Stone Energy Corporation	1/8	139A/788	12-12-28	S
Kenneth Franklin Blake	Stone Energy Corporation	1/8	139A/820	12-12-28	S
Nora V. Blake	Stone Energy Corporation	1/8	139A/824	12-12-28	S
Terry Hassig	Stone Energy Corporation	1/8	139A/844	12-12-28	S
Love Louise Postlethwait	Stone Energy Corporation	1/8	139A/325	12-12-28	S
Lena Jane Morris	Stone Energy Corporation	1/8	139A/323	12-12-28	S
Faith Ileen Blake	Stone Energy Corporation	1/8	139A/790	12-12-28	S
Kenneth Starkey	Stone Energy Corporation	1/8	139A/826	12-12-28	S
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-28.1	T
Ruth E. Blake	Stone Energy Corporation	1/8	139A/788	12-12-28.1	T
Kenneth Franklin Blake	Stone Energy Corporation	1/8	139A/820	12-12-28.1	T
Nora V. Blake	Stone Energy Corporation	1/8	139A/824	12-12-28.1	T
Love Louise Postlethwait	Stone Energy Corporation	1/8	139A/844	12-12-28.1	T
Lena Jane Morris	Stone Energy Corporation	1/8	139A/325	12-12-28.1	T
Terry Lee Hassig	Stone Energy Corporation	1/8	139A/323	12-12-28.1	T
Faith Ileen Blake	Stone Energy Corporation	1/8	139A/790	12-12-28.1	T
Kenneth Starkey Heirs	Stone Energy Corporation	1/8	139A/826	12-12-28.1	T
Gastar Exploration USA, Inc	Stone Energy Corporation	1/8	152A/521	12-12-16	U

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Atinum Marcellus I, LLC	Stone Energy Corporation	1/8	152A/521	12-12-16	U
WSD Properties, LLC	Stone Energy Corporation	1/8	Memorandum Included	12-12-16	U
Roger J. Powell & Diana L. Kline-Powell	Stone Energy Corporation	1/8	141A/23	12-12-44.2	V
Peter G. Stansbury	Stone Energy Corporation	1/8	116A/896	12-12-45	W
Elizabeth J. Stewart	Stone Energy Corporation	1/8	156A/582	12-12-45	W
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-30	X
Statoil USA	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-30	X

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –
(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Well Operator Stone Energy Corporation
By Roger L. Powell
Title Land Manager/Special Counsel

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MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 8th day of April, 2015, by and between Florence Smith Straub, a/k/a Florence Smith Staub, as Lessor, and Stone Energy Corporation, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated April 8, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Last Will and Testament of Lena M. Smith, and not yet recorded in the Clerk's Office of Wetzel County, West Virginia; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the 8th day of April, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

- 1. LESSOR: Florence Smith Straub, a/k/a Florence Smith Staub
- 2. LESSEE: Stone Energy Corporation
- 3. LESSOR'S ADDRESS: 48118 State Route 536, Sardis, OH 43946-9633
- 4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
- 5. LEASE AGREEMENT EXECUTION DATE: April 8, 2015
- 6. DEPTHS COVERED: All Depths
- 7. LEASE TERM:
 - (a) COMMENCEMENT DATE: April 8, 2015
 - (b) TERMINATION DATE: April 8, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; April 8, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; April 8, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

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[Signature Page Follows]

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Atinum Marcellus I, LLC	Stone Energy Corporation	1/8	152A/521	12-12-16	U
WSD Properties, LLC	Stone Energy Corporation	1/8	Memorandum Included	12-12-16	U
Roger J. Powell & Diana L. Kline-Powell	Stone Energy Corporation	1/8	141A/23	12-12-44.2	V
Peter G. Stansbury	Stone Energy Corporation	1/8	116A/896	12-12-45	W
Elizabeth J. Stewart	Stone Energy Corporation	1/8	156A/582	12-12-45	W
SWN Production Company, LLC	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-30	X
Statoil USA	Stone Energy Corporation	1/8	Unrecorded Agreement	12-12-30	X

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –
(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Well Operator Stone Energy Corporation
By Roger L. Cuckey
Title Land Manager/Special Counsel

Received
02/17/2015
Office of the
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 8th day of April, 2015, by and between Florence Smith Straub, a/k/a Florence Smith Staub, as Lessor, and Stone Energy Corporation, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated April 8, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Last Will and Testament of Lena M. Smith, and not yet recorded in the Clerk's Office of Wetzel County, West Virginia; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the 8th day of April, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

- 1. LESSOR: Florence Smith Straub, a/k/a Florence Smith Staub
- 2. LESSEE: Stone Energy Corporation
- 3. LESSOR'S ADDRESS: 48118 State Route 536, Sardis, OH 43946-9633
- 4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
- 5. LEASE AGREEMENT EXECUTION DATE: April 8, 2015
- 6. DEPTHS COVERED: All Depths
- 7. LEASE TERM:
 - (a) COMMENCEMENT DATE: April 8, 2015
 - (b) TERMINATION DATE: April 8, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; April 8, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; April 8, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

81582898.AF

[Signature Page Follows]

02/17/2017
Received
Office of Oil & Gas
MAY 07 2015

Lessor

By: Florence Smith Straub
Florence Smith Straub, a/k/a Florence
Smith Staub

Stone Energy Corporation,
a Delaware Corporation

By: RLC
Roger L. Cutright,
Land Manager and Special Counsel

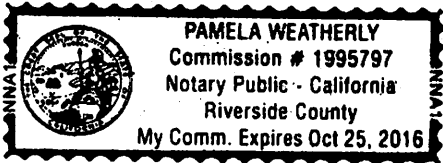
ACKNOWLEDGMENT BY LESSOR

STATE OF California,

COUNTY OF Riverside,

The foregoing instrument was acknowledged before me on this 8th day of April,
2015, by Florence Smith Straub, a/k/a Florence Smith Staub, Lessor.

{SEAL}



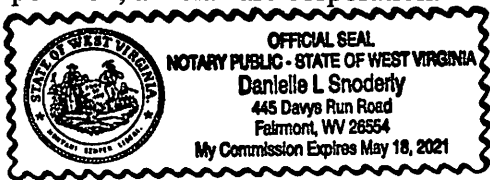
Pamela Weatherly
Notary Public
My Commission expires: October 25, 2016

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA

COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 6th day of May,
2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy
Corporation, a Delaware corporation.



Danielle L. Snodery
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017

Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 23rd day of *March*, 2015, by and between Brenda Van Camp, as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated *March 23*, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Affidavit of Heirship for Lucille Smith, and not yet recorded in the Clerk's Office of Wetzel County, West Virginia; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the day of *March*, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

1. LESSOR: Brenda Van Camp
2. LESSEE: Stone Energy Corporation
3. LESSOR'S ADDRESS: P.O. Box 27, Sardis, OH 43946
4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
5. LEASE AGREEMENT EXECUTION DATE: *March 23*, 2015
6. DEPTHS COVERED: All Depths
7. LEASE TERM:
 - (a) COMMENCEMENT DATE: *March 23*, 2015
 - (b) TERMINATION DATE: *March 23*, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; *March 23*, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; *March 23*, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

[Signature Page Follows]

8158L 898.AB

Received *02/17/2017*
Office of Oil & Gas
MAY 07 2015

Lessor

By: Brenda Van Camp
Brenda Van Camp

Stone Energy Corporation,
a Delaware Corporation

By: RLC
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF Ohio,

COUNTY OF Monroe,

The foregoing instrument was acknowledged before me on this 23rd day of March,
2015, by Brenda Van Camp, Lessor.

{SEAL}



ANGELA M. McKNIGHT
Notary Public, State of Ohio
My Commission Expires May 17, 2017

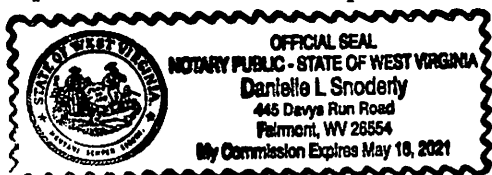
Angela M. McKnight
Notary Public
My Commission expires: May 17, 2017

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA

COUNTY OF MONONGALLA

The foregoing instrument was acknowledged before me this 6th day of May,
2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy
Corporation, a Delaware corporation.



Danielle L. Snodery
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017

Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 23rd day of *March*, 2015, by and between Debra Williams, as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated *March 23*, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Affidavit of Heirship for Lucille Smith, and not yet recorded in the Clerk's Office of Wetzel County, West Virginia; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the day of *March*, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith. *23rd*

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

1. LESSOR: Debra Williams
2. LESSEE: Stone Energy Corporation
3. LESSOR'S ADDRESS: 108 27th Street NW, Barberton, OH 44203
4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
5. LEASE AGREEMENT EXECUTION DATE: *March 23*, 2015
6. DEPTHS COVERED: All Depths
7. LEASE TERM:
 - (a) COMMENCEMENT DATE: *March 23*, 2015
 - (b) TERMINATION DATE: *March 23*, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; *March 23*, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; *March 23*, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

[Signature Page Follows]

02/17/2017

81582898.2

Received
Office of Oil & Gas
MAY 07 2015

Lessor
Debra Williams
By: Debra Williams
Debra Williams

Stone Energy Corporation,
a Delaware Corporation
By: RLC
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF Ohio
COUNTY OF Summit

The foregoing instrument was acknowledged before me on this 23rd day of March, 2015, by Debra Williams, Lessor.

{SEAL}

Connie Scott
Notary Public
My Commission Expires: _____

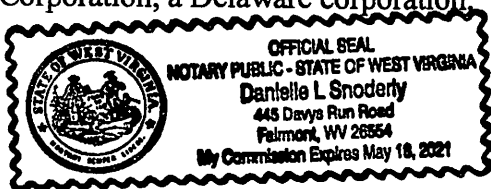


CONNIE SCOTT
NOTARY PUBLIC
STATE OF OHIO
MY COMMISSION EXPIRES
MAY 9, 2017

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA
COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 6th day of May, 2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy Corporation, a Delaware corporation.



Dantelle L. Snoddy
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017

Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 22nd day of March, 2015, by and between Sheila Wade, as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated March 22, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Affidavit of Heirship for Lucille Smith, and not yet recorded in the Clerk's Office of Wetzel County, West Virginia; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the day of March, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith. 22nd

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

1. LESSOR: Sheila Wade
2. LESSEE: Stone Energy Corporation
3. LESSOR'S ADDRESS: 392 Schocalog Rd., Akron, OH 44320
4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
5. LEASE AGREEMENT EXECUTION DATE: March 22, 2015
6. DEPTHS COVERED: All Depths
7. LEASE TERM:
 - (a) COMMENCEMENT DATE: March 22, 2015
 - (b) TERMINATION DATE: March 22, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; March 22, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; March 22, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

[Signature Page Follows]

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02/17/2017

Received
Office of Oil & Gas

MAY 07 2015

Lessor

By: Sheila Wade
Sheila Wade

Stone Energy Corporation,
a Delaware Corporation

By: RLC
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF OHIO,

COUNTY OF SUMMIT,

The foregoing instrument was acknowledged before me on this 22 day of MARCH, 2015, by Sheila Wade, Lessor.

{SEAL}



DANA MARTELL
Notary Public, State of Ohio
Recorded in Geauga County
My Commission Expires
June 7, 2019

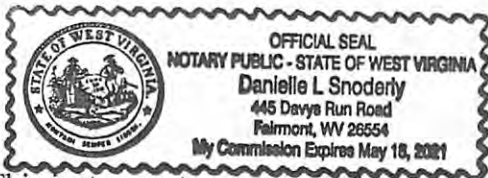
Dana Martell
Notary Public
My Commission expires: June 7, 2019

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA

COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 6th day of May, 2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy Corporation, a Delaware corporation.



Danielle L. Snoderly
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017
Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 25th day of *March*, 2015, by and between Lawrence R. Smith, Jr., as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated *March 25*, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Affidavit of Heirship for Lucille Smith, and not yet recorded in the Clerk's Office of Wetzel County, West Virginia; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the day of *March*, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith. *25th*

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

1. LESSOR: Lawrence R. Smith, Jr.
2. LESSEE: Stone Energy Corporation
3. LESSOR'S ADDRESS: 2966 Oak St., Norton, OH 44203
4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
5. LEASE AGREEMENT EXECUTION DATE: *March 25*, 2015
6. DEPTHS COVERED: All Depths
7. LEASE TERM:
 - (a) COMMENCEMENT DATE: *March 25*, 2015
 - (b) TERMINATION DATE: *March 25*, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; *March 25*, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; *March 25*, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

[Signature Page Follows]

87582898.AD

02/17/2017

Received
Office of Oil & Gas
MAY 07 2015

Lessor

By: Lawrence R. Smith, Jr.
Lawrence R. Smith, Jr.

Stone Energy Corporation,
a Delaware Corporation

By: RLC
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF Ohio,

COUNTY OF Summit,

The foregoing instrument was acknowledged before me on this 25 day of March, 2015, by Lawrence R. Smith, Jr., Lessor.

{SEAL}

Sherry L. Shearer
Notary Public
My Commission expires: SHERRY L. SHEARER, NOTARY
STATE OF OHIO
MY COMMISSION EXPIRES: 7/8/15

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA

COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 6th day of May, 2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy Corporation, a Delaware corporation.



Danielle L. Snodery
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017
Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 3rd day of March, 2015, by and between Lynne Smith Wyatt, as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated March 3, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Affidavit dated the 31st day of January, 2014, and of record in the Clerk's Office of Wetzel County, West Virginia in Miscellaneous Book 107, at page 421; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the day of March, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith. 3rd

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

1. LESSOR: Lynne Smith Wyatt
2. LESSEE: Stone Energy Corporation
3. LESSOR'S ADDRESS: 331 Poplar St., Clinton, SC 29325
4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
5. LEASE AGREEMENT EXECUTION DATE: March 3, 2015
6. DEPTHS COVERED: All Depths
7. LEASE TERM:
 - (a) COMMENCEMENT DATE: March 3, 2015
 - (b) TERMINATION DATE: March 3, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; March 3, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; March 3, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

[Signature Page Follows]

8158L898.4

02/17/2017

Received
Office of Oil & Gas
MAY 07 2015

Lessor

By: Lynne Smith Wyatt
Lynne Smith Wyatt

Stone Energy Corporation,
a Delaware Corporation

By: RLC
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF SC,

COUNTY OF Laurens,

The foregoing instrument was acknowledged before me on this 3rd day of March, 2015, by Lynne Smith Wyatt, Lessor.

{SEAL}

Jamie R. Franklin
Notary Public
My Commission expires: 2-21-17

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA

COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 6th day of May, 2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy Corporation, a Delaware corporation.



Danielle L. Snoderly
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017
Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 24th day of *March*, 2015, by and between Dana Smith, as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated *March 24*, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Affidavit of Heirship for James Lee Smith, and not yet recorded in the Clerk's Office of Wetzel County, West Virginia; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the day of *March*, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

1. LESSOR: Dana Smith
2. LESSEE: Stone Energy Corporation
3. LESSOR'S ADDRESS: 1303 Locust St., Muskogee, OK 74403
4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
5. LEASE AGREEMENT EXECUTION DATE: *March 24*, 2015
6. DEPTHS COVERED: All Depths
7. LEASE TERM:
 - (a) COMMENCEMENT DATE: *March 24*, 2015
 - (b) TERMINATION DATE: *March 24*, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; *March 24*, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; *March 24*, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

81582888. AA

[Signature Page Follows]

02/17/2017
Received
Office of Oil & Gas
MAY 07 2015

Lessor

By: *Dana L Smith*
Dana Smith

Dana L Smith

Stone Energy Corporation,
a Delaware Corporation

By: *RLC*
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF Oklahoma

COUNTY OF Muskogee

The foregoing instrument was acknowledged before me on this 24th day of March, 2015, by Dana Smith, Lessor.



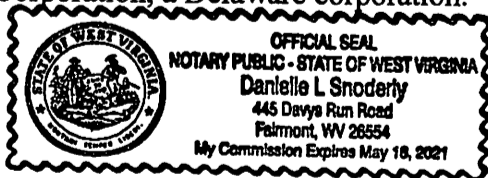
Joy L. Davis
Notary Public
My Commission expires: 11/24/18

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA

COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 6th day of May, 2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy Corporation, a Delaware corporation.



Danielle L. Snoddy
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017
Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 30th day of March, 2015, by and between Andrea Lynn Crawford, as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated March 30, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Affidavit dated the 24th day of September, 2013, and of record in the Clerk's Office of Wetzel County, West Virginia in Miscellaneous Book 104, at page 850; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the day of March, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith. ³⁰¹⁶

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

1. LESSOR: Andrea Lynn Crawford
2. LESSEE: Stone Energy Corporation
3. LESSOR'S ADDRESS: 121 River Circle Drive, Paden City, WV 26159
4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
5. LEASE AGREEMENT EXECUTION DATE: March 30, 2015
6. DEPTHS COVERED: All Depths
7. LEASE TERM:
 - (a) COMMENCEMENT DATE: March 30, 2015
 - (b) TERMINATION DATE: March 30, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; March 30, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; March 30, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

81582898 AC [Signature Page Follows]

02/17/2017

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Office of Oil & Gas
MAY 07 2015

Lessor

By: Andrea L. Crawford
Andrea Lynn Crawford

Stone Energy Corporation,
a Delaware Corporation

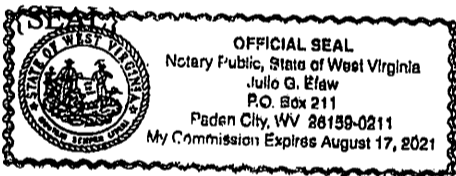
By: RLC
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF WV,

COUNTY OF Wetzel,

The foregoing instrument was acknowledged before me on this 30th day of March, 2015, by Andrea Lynn Crawford, Lessor.



Julie G. Eflaw
Notary Public
My Commission expires: Aug. 17, 2021

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA

COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 6th day of May, 2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy Corporation, a Delaware corporation.



Danielle L. Snodery
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the *4th* day of *March*, 2015, by and between Craig M. Hoskins, as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated *March 4*, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in Proctor District, Wetzel County, West Virginia, containing 28.50 acres, more or less, which is identified on the tax map as Map # 12, Parcel(s) # 2, being the same real property interest and estate that was conveyed to Lessor by that certain Will dated the 1st day of February, 1992, and of record in the Clerk's Office of Wetzel County, West Virginia in Will Book 52, at page 586; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of Five (5) years from the day of *March*, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith. *4th*

Now, therefore, witnesseth: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

1. LESSOR: Craig M. Hoskins
2. LESSEE: Stone Energy Corporation
3. LESSOR'S ADDRESS: 631 Tarpon Avenue, Apt. # 6408, Fernandina Beach, FL 32034
4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
5. LEASE AGREEMENT EXECUTION DATE: *March 4*, 2015
6. DEPTHS COVERED: All Depths
7. LEASE TERM:
 - (a) COMMENCEMENT DATE: *March 4*, 2015
 - (b) TERMINATION DATE: *March 4*, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes: Yes
 - (i) [date extension period may be exercised]; *March 4*, 2020
 - (ii) [term of extension]; 5 years
 - (iii) [maximum date of extensions]; *March 4*, 2025
 - (iv) [number of extension periods]. One

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.

[Signature Page Follows]

81582898.A6

02/17/2017
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Office of Oil & Gas
MAY 07 2015

Lessor

By: Craig M. Hoskins
Craig M. Hoskins

Stone Energy Corporation,
a Delaware Corporation

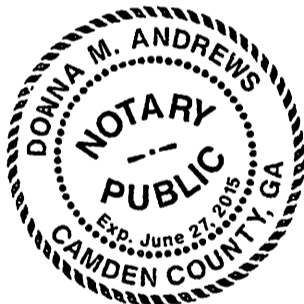
By: RLC
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF Georgia,
COUNTY OF Camden.

The foregoing instrument was acknowledged before me on this 4th day of March, 2015, by Craig M. Hoskins, Lessor.

{SEAL}



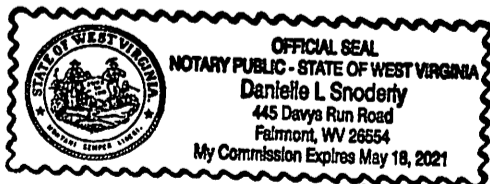
Donna M. Andrews
Notary Public
My Commission expires: 6/27/15

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA

COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 6th day of May, 2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy Corporation, a Delaware corporation.



Danielle L. Snoderly
Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:

Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017
Received
Office of Oil & Gas
MAY 07 2015

MEMORANDUM OF LEASE

This Memorandum of Lease is made and entered into on the 31 day of March, 2015, by and between **WSD Properties, LLC, an Ohio limited liability company**, as Lessor, and **Stone Energy Corporation**, 625 East Kaliste Saloom Road Lafayette, LA 70508, c/o Land Department, a Delaware corporation licensed to do business in West Virginia as a foreign corporation, as Lessee.

Whereas, by that Oil and Gas Lease dated March 31, 2015, Lessor agreed to lease to Lessee and Lessee agreed to lease from Lessor certain oil and gas rights in that certain tract or parcel of land situate in **Proctor** District, **Wetzel** County, West Virginia, containing **42** acres, more or less, which is identified on the tax map as Map # **12**, Parcel(s) # **16**, being the same real property interest and estate that was conveyed to Lessor by that certain Deed dated the **2nd** day of **December, 2014**, and of record in the Clerk's Office of **Wetzel** County, West Virginia in Deed Book **442**, at page **136**; provided however, that such description is intended to include all strips, tracts or parcels of land now owned or hereafter acquired by Lessor that are contiguous with or adjacent to the lands described above, and all interests in the lands described above now owned or hereafter acquired by Lessor, as to those depths set forth in Paragraph 6 below ("Leased Premises").

Whereas, the Lease shall remain in force for a primary term of **Five (5)** years from the 31st day of March, 2015, and as long thereafter as either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.

Now, therefore, witnessed: That in accordance with and pursuant to the provisions of West Virginia Code § 40-1-8, as in effect as of the date of this Memorandum, Lessor and Lessee hereby set forth the following information with respect to that certain Lease Agreement entered into and made by and between Lessor and Lessee:

- 1. LESSOR: **WDS Properties, LLC, an Ohio limited liability company**
- 2. LESSEE: **Stone Energy Corporation**
- 3. LESSOR'S ADDRESS: **571 Country Highway 52, State Route 164 North, Bergholtz, Ohio 43908**
- 4. LESSEE'S ADDRESS: c/o Land Department, 625 East Kaliste Saloom Road, Lafayette, LA 70508
- 5. LEASE AGREEMENT EXECUTION DATE: March 31, 2015
- 6. DEPTHS COVERED: All Depths
- 7. LEASE TERM:
 - (a) COMMENCEMENT DATE: March 31, 2015
 - (b) TERMINATION DATE: March 31, 2020 unless either Oil or Gas are produced in paying quantities from the Leased Premises or property unitized therewith.
 - (c) EXTENSION PERIOD OPTION: [yes/no]; if yes:
 - (i) [date extension period may be exercised]; March 31, 2020 - June 29, 2020
 - (ii) [term of extension]; **Five Years**
 - (iii) [maximum date of extensions]; or March 31, 2025
 - (iv) [number of extension periods]. **One**

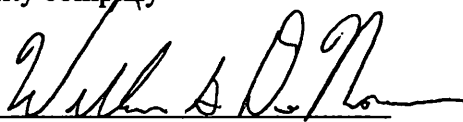
02/17/2017

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed and effective as of the date first set forth above.


Received
Office of Oil & Gas
MAY 07 2015

[Signature Page Follows]

Lessor
WSD Properties, LLC, an Ohio limited liability company

By: 
William G. DeNoon
Its: President

Stone Energy Corporation,
a Delaware Corporation


By: 
Roger L. Cutright,
Land Manager and Special Counsel

ACKNOWLEDGMENT BY LESSOR

STATE OF West Virginia,
COUNTY OF Hancock,

The foregoing instrument was acknowledged before me on this 31 day of March, 2015 by WSD Properties, LLC, an Ohio limited liability company, by William G. DeNoon, its President, Lessor.

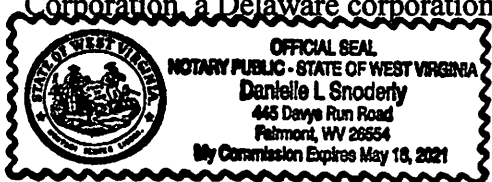


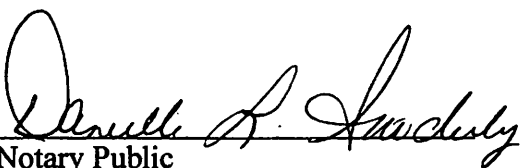

Notary Public
My Commission expires: 6-23-21

ACKNOWLEDGMENT BY LESSEE

STATE OF WEST VIRGINIA
COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me this 7th day of May, 2015 by Roger L. Cutright, Land Manager and Special Counsel, on behalf of Stone Energy Corporation, a Delaware corporation.




Notary Public
My commission expires: 5/18/2021

This instrument was prepared by:
Stone Energy Corporation
1300 Fort Pierpont Drive
Suite 201
Morgantown, WV 26508

02/17/2017
Received
Office of Oil & Gas
MAY 07 2015

Stone Energy
1300 Fort Pierpont Dr. Suite 201
Morgantown WV 26508



March 4, 2015

Office of Oil and Gas
601 57th St., SE
Charleston, WV, 25304

RE: TAX MAP 12, PARCEL(S) 3, 6, 28.1, TAX MAP 7, PARCEL 37, LOCATED IN PROCTOR MAGISTERIAL DISTRICT, WETZEL COUNTY, WV.

To Whom It May Concern:

This letter is to confirm that Stone Energy Corporation ("Stone") and Antero Resources Corporation ("Antero") have entered into an unrecorded agreement (the "Agreement") concerning the above captioned parcels. In an effort to satisfy the requirements of West Virginia Code Chapter 22, Article 6A, Section 8(d), Stone now submits this letter as proof of the Agreement and intent to either participate in the proposed wells or assign the interests captioned above. Below please find the signatures in testimony of the Agreement and a copy of the Antero Memorandum of Lease concerning the above captioned parcels.

Respectfully Submitted,

A handwritten signature in black ink that reads "Roger L. Cutright".

Roger L. Cutright
Land Manager and Special Counsel
Stone Energy Corporation
cutrightrl@stoneenergy.com
304-225-1789 (Direct)

ANTERO RESOURCES CORPORATION:

A handwritten signature in black ink that reads "Houston Eagleston".
Printed Name: HOUSTON EAGLESTON
Date: 3/11/2015

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017



March 5, 2015

Laura Adkins and Ashley LeMasters
West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th Street SE
Charleston, West Virginia 25304

RE: Proposed Erlewine #16HU Wetzel Co.
Well work permit application
This is an additional permit for the existing Erlewine unit; that is located Wetzel County. (Farm Name: Erlewine, Richard)

Dear Laura and Ashley:

You will see that we are not crossing under any roads or highways with this lateral.

If you require any additional information, please do not hesitate to contact me.

Thank you for your assistance.

Best Regards,

A handwritten signature in blue ink, appearing to read "Tim McGregor".

Tim McGregor
Land Coordinator
Stone Energy Corporation
(304) 225-1788
mcgregortp@stoneenergy.com

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

WW-PN
(5-04-2012)

Horizontal Natural Gas Well Work Permit Application Notice By Publication

Notice is hereby given:

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: Wetzel Chronical

Public Notice Date: 2/11/2015 & 2/18/2015

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

Applicant: Stone Energy Corporation **Well Number:** #16HU

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508

Business Conducted: Natural gas production.

Location –

State: West Virginia County: Wetzel
District: Proctor Quadrangle: New Martinsville
UTM Coordinate NAD83 Northing: 4,392,668
UTM coordinate NAD83 Easting: 517,416
Watershed: Tributary of Proctor Creek

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm_conus.php

Electronic notification:

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> to sign up.

Reviewing Applications:

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to DEP.oog@wv.gov.

Submitting Comments:

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

WETZEL CHRONICLE

Please take notice that Stone Energy Corporation intends to submit a Well Work Permit Application for wells identified as Erlewine Pad to include wells 12HU, 14HU and 16HU which will be located in :

State: WV
County: Wetzel
District: Proctor
Quadrangle:
New Martinsville
Easting: 517389
Approximate UTM NAD 83
Northing: 4392647
Watershed:
Tributary of Proctor Creek

Additional information concerning this application may be found at the following website maintained by the West Virginia Department of Environmental Protection:

www.dep.wv.gov
Any interested person may submit written comments or request a copy of the proposed permit Application by emailing dep.oogcomments@wv.gov, or sending a letter to:

Permit Review
Office of Oil and Gas
604 57th Street, SE
Charleston, WV 25304

Full copies or scans of the proposed permit application will cost \$15.00, whether mailed or obtained at DEP headquarters.

For information related to horizontal drilling, and all horizontal well applications filed in this state, visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

Or call 304-926-0450. Emailed or written comments must reference the county, well number, and operator and received by 3/06/2015.

StoneEnergy
WC-2-11,18 12397

New Martinsville, WV February 18 2015

State of West Virginia, County of Wetzel:

Personally appeared before the undersigned, a Notary Public,

..... Brian Clutter who, being duly sworn,

states that he is the manager of the Wetzel Chronicle, a weekly

newspaper of general circulation, published at New Martinsville,

County of Wetzel, State of West Virginia, and that a copy of the

notice attached hereto was published for..... 2 successive

weeks in the Wetzel Chronicle, beginning on the 11 day

of February 2015 and ending on the 18 day

of February 2015.

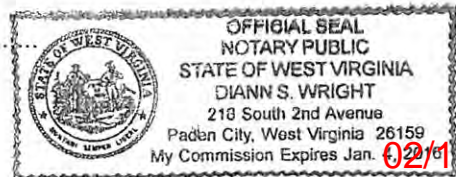
.....
Manager, Wetzel Chronicle

Subscribed and sworn to before me, a Notary Public of said
County, on this 18 day of February 2015.

..... Diann S. Wright Notary Public
Received
Office of Oil & Gas

My commission expires on the 4th day of January, 2016. MAY 07 2015

Printers Fee.....

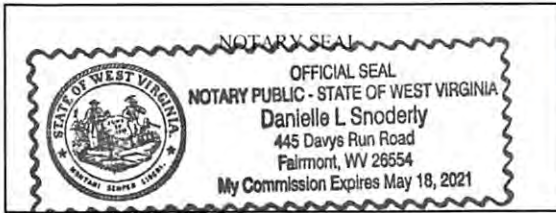


Certification of Notice is hereby given:

THEREFORE, I Timothy P. McGregor, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Stone Energy Corporation
By: *[Signature]*
Its: Land Coordinator
Telephone: (304) 225-1788

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508
Facsimile: (337) 521-9912
Email: McGregorTP@StoneEnergy.com



Subscribed and sworn before me this 28th day of April 2015.
[Signature] Notary Public
My Commission Expires 5/18/2021

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

HUPP Surveying & Mapping

P.O. BOX 647

GRANTSVILLE, WV 26147

(304) 354-7035 hupp@frontiernet.net FAX: (304) 354-6548

February 23, 2015

RE: Water Samples for Erlewine #16HU

There appears to be six (6) potable water sources within 2,200' of Erlewine #16HU, therefore tests should be offered and samples taken as required.

1. Richard Erlewine
Rt. 1 Box 72
Proctor, WV 26055
Tax Map 12 Parcels 36 & 46
2. Willard & Mary Wilson
Rt. 1 Box 72
New Martinsville, WV 26155
Tax Map 11 Parcel 3
3. Junior Young
Rt. 1 Box 69
New Martinsville, WV 26155
Tax Map 11 Parcel 5
4. Victor Reed, et al
66 Lynn St.
Chester, WV 26034
Tax Map 12 Parcel 47
5. Kevin Goff, et al
P.O. Box 222
New Martinsville, WV 26155
Tax Map 7 Parcel 34
6. Robert Anderson, et al
Rt. 1 Box 113
Proctor, WV 26055
Tax Map 6 Parcels 38, 39 & 40

DmH
2-27-15

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

7013 0600 0002 0006 4175

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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here SEP 19 2013
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.77	

Sent To **Victor Reed, et al**
66 Lynn St.
 Street, Apt. No., or PO Box No. **Chester, WV. 26034**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

7013 0600 0002 0006 4141

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Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.77	

Sent To **Richard Erlewine**
Rt. 1 Box 72
 Street, Apt. No., or PO Box No. **Proctor, WV. 26055**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

7013 0600 0002 0006 4151

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Postage	\$	Postmark Here SEP 19 2013
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.77	

Sent To **Willard & Mary Wilson**
RD. 1 Box 72
 Street, Apt. No., or PO Box No. **New Martinsville, WV. 26155**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

7013 0600 0002 0006 4160

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Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.77	

Sent To **Junior Young**
Rt. 1 Box 69
 Street, Apt. No., or PO Box No. **New Martinsville, WV. 26155**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

7013 0600 0002 0006 4182

U.S. Postal Service™
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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here SEP 19 2013
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.77	

Sent To **Kevin Goff, et al**
P.O. Box 222
 Street, Apt. No., or PO Box No. **New Martinsville, WV. 26155**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

7013 0600 0002 0006 4199

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here SEP 19 2013
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.77	

Sent To **Robert Anderson, et al**
Rt. 1 Box 113
 Street, Apt. No., or PO Box No. **Proctor, WV. 26055**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

Mailings of water sampling forms

Received
Office of Oil Gas
SEE REVERSE FOR INSTRUCTIONS

MAY 07 2015

02/17/2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 5/5/2015 **Date Permit Application Filed:** 5/8/2015

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 26055

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 26055

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: Un-Declared
Address: _____

COAL OPERATOR

Name: _____
Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: See Attached List
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

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Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

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examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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WW-6A
(8-13)

API NO. 47- 103 -
OPERATOR WELL NO. #16HU
Well Pad Name: Erlewine

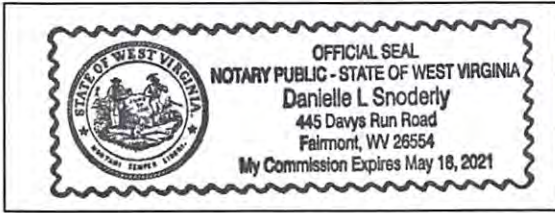
Notice is hereby given by:

Well Operator: Stone Energy Corporation
Telephone: (304) 225-1788
Email: McGregorTP@StoneEnergy.com

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508
Facsimile: (337) 521-9912

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

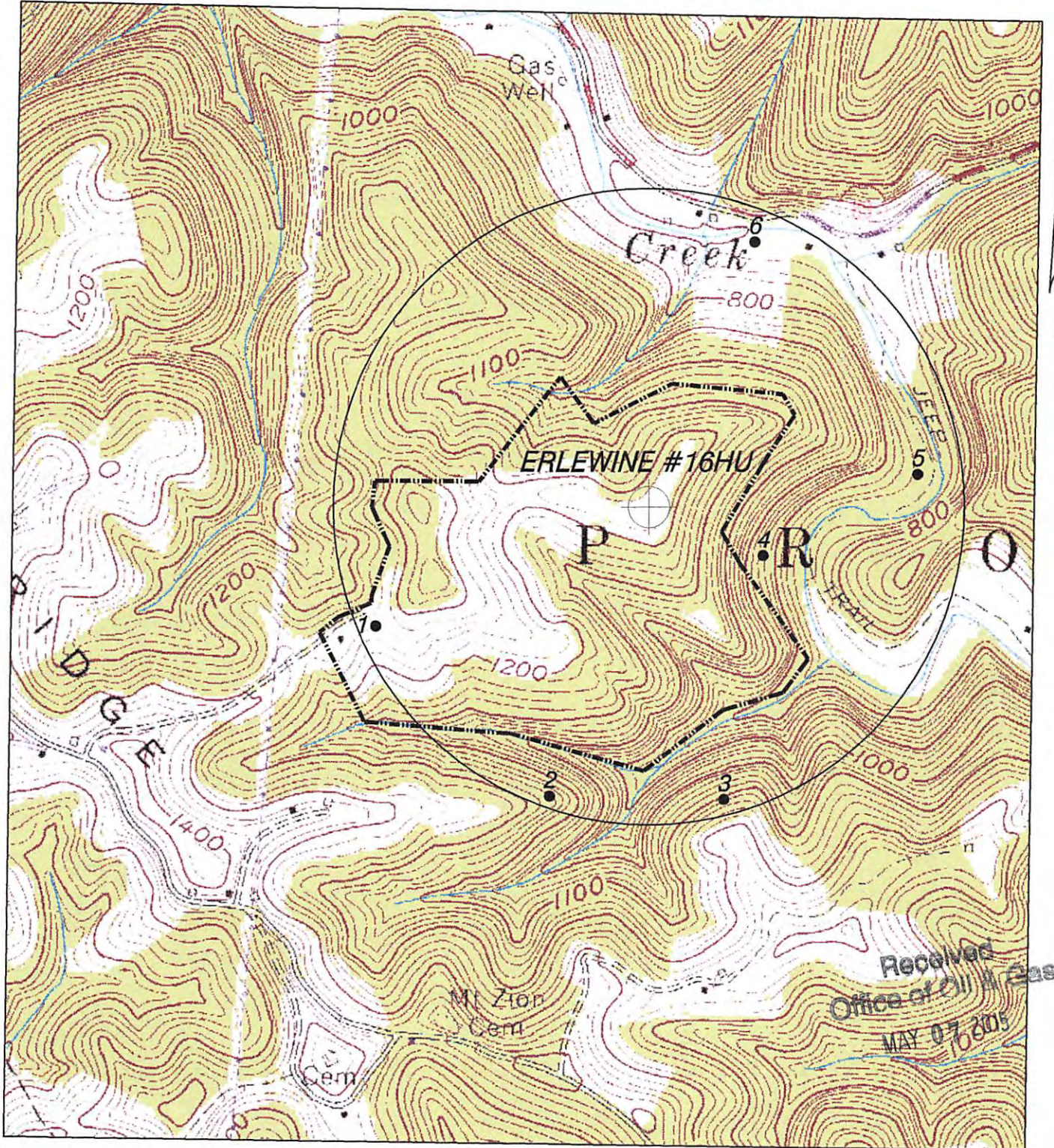


Subscribed and sworn before me this 28th day of April 2015.
Danielle L. Snoderly Notary Public
My Commission Expires 5/18/2021

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02/17/2017

Stone Energy Corporation Erlewine #16HU Water



DmH 2-27-15

HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147
PH: (304)354-7035 E-MAIL: hupp@frontiernet.net

1" = 1000'
New Martinsville 7.5'

Stone Energy Corp.
1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508

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 Street, Apt. No., or PO Box No.: 2456 Waymans Ridge
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 Street, Apt. No., or PO Box No.: P.O. Box 9091
 City, State, ZIP+4: Daytona Beach, FL 32120

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 Street, Apt. No., or PO Box No.: 111 Cedar Ave.
 City, State, ZIP+4: Moundsville, WV 26041

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Mailing of applications for 1650 to surface, mineral + coal owners + water purveyor
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 Street, Apt. No., or PO Box No. Gerald Judge
 6851 Fork Ridge Road #12
 City, State, ZIP+4 Glen Easton, WV 26039-1603

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 Street, Apt. No., or PO Box No. Ronald Carney
 50 Bills Lane
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 Street, Apt. No., or PO Box No. Chesapeake Appalachia LLC
 P.O. Box 18496
 City, State, ZIP+4 Oklahoma City, OK 73154
 Attn: Amber Vawter

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 City, State, ZIP+4 Vail, AZ 85641

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 Joyce Ellen Weltz
 Street, Apt. No. or PO Box No. 640 Riverside Drive
 City, State, ZIP+4 Sistersville, WV 26175

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 Jill Stanley aka Rebecca Lough
 Street, Apt. No. or PO Box No. 219 Arn Ave. Rear
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 Robert Anderson, et al
 Street, Apt. No. or PO Box No. RT. 1 Box 113
 City, State, ZIP+4 Proctor, WV 26055

PS Form 3800, August 2006 See Reverse for Instructions

7013 0600 0002 0005 9430

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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OFFICIAL USE

Postage	\$	Postmark Here MAY 05 2015
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 7.40	

Sent To
 Victor Reed, et al
 Street, Apt. No. or PO Box No. P.O. Box 41
 City, State, ZIP+4 Chester, WV 26034

PS Form 3800, August 2006 See Reverse for Instructions

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

Mailings of Applications to Surface Owners, Water Purveyors and Mineral Owners for Erlewine 16HU:

Robert Anderson et al ✓
RT. 1 Box 113
Proctor, WV 26055

Doreen Judge ✓
111 Cedar Ave.
Moundsville, WV 26041

Kevin Goff et al ✓
P.O. Box 222
New Martinsville, WV 26155

Ronald Carney ✓
50 Bills Lane
Moundsville, WV 26041

Victor Reed, et al ✓
P.O. Box 41
Chester, WV 26034

Jill Stanley aka Rebecca Lough ✓
219 Arn Ave. Rear
Tiltonsville, OH 43963

Junior Young ✓
Rt. 1 Box 69
New Martinsville, WV 26155

Chesapeake Appalachia LLC ✓
P.O. Box 18496
Oklahoma City, OK 73154
Attn: Amber Vawter

Willard & Mary Wilson ✓
RD 1 Box 72
New Martinsville, WV 26155

Joyce Ellen Weltz ✓
640 Riverside Drive
Sistersville, WV 26175

Richard Erlewine ✓
RT. 1 Box 72
Proctor, WV 26055

Ronald & Nita Adkins ✓
2456 Waymans Ridge
Moundsville, WV 26041

Ralph Douglass Huff ✓
4 Corliss Terrace
Wheeling, WV 26003

Gerald Judge ✓
6851 Fork Ridge Road #12
Glen Easton, WV 26039-1603

Charlene Wade ✓
P.O. Box 9091
Daytona Beach, FL 32120

Judy Donato ✓
7810 Turkey Oak Lane
Kissimmee, FL 34747-1983

Thomas E. Miller ✓
3140 E. Shasta Lane
Vail, AZ 85641

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 6/21/2012 **Date of Planned Entry:** 7/3/2012

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
 REGISTERED MAIL
 METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

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Notice is hereby provided to:

SURFACE OWNER(s)

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 265055

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Ralph Douglas Huff
Address: 4 Corliss Terrace
Wheeling, WV 26003-6630

*please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>WV</u>	Approx. Latitude & Longitude: <u>4,392,668 / 517,416</u>
County: <u>Wetzel</u>	Public Road Access: <u>Wetzel County Route 1/2</u>
District: <u>Proctor</u>	Watershed: <u>Tributary of Proctor Creek</u>
Quadrangle: <u>New Martinsville</u>	Generally used farm name: <u>Erlewine, Richard</u>

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Notice is hereby given by:

Well Operator: Stone Energy Corporation
Telephone: 304-225-1788
Email: mcgregorpt@stoneenergy.com

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508
Facsimile: 337-521-9912

Received
Office of Oil & Gas
MAY 07 2015

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Address: Route 1, Box 72
Proctor, WV 265055

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Nita L. Adkins
Address: 21505 chancellors Run Road
Great Mills, MD 26634

*please attach additional forms if necessary

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Quadrangle: <u>New Martinsville</u>	Generally used farm name: <u>Erlewine, Richard</u>

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Notice is hereby given by:

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Telephone: 304-225-1788
Email: mcgregortp@stoneenergy.com

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508
Facsimile: 337-521-9912

Received
Office of Oil & Gas
MAY 07 2015

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02/17/2017

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Notice is hereby provided to:

SURFACE OWNER(S)

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 265055

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(S)

Name: Judy Bertrand
Address: Rd 3 Box 132E
Wheeling, WV 26003

*please attach additional forms if necessary

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Quadrangle: <u>New Martinsville</u>	Generally used farm name: <u>Erlewine, Richard</u>

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Notice is hereby given by:

Well Operator: Stone Energy Corporation
Telephone: 304-225-1788
Email: mcgregortp@stoneenergy.com

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508
Facsimile: 337-521-9912

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Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

Stansberry, Wade A

From: McGregor, Tim <McGregorTP@StoneEnergy.com>
Sent: Monday, May 11, 2015 11:58 AM
To: Stansberry, Wade A
Subject: FW: ERLEWINE PAD 12UH, 14HU, AND 16HU Deep Well Deficiencies and Stone Permits

Wade, please see response below concerning green cards and packet lay-out.

Thanks again for your help.

Tim

Tim McGregor

Appalachia Land Coordinator

1300 Fort Pierpont Drive, Suite 201

Morgantown, WV 26508

304-225-1788

mgregortp@stoneenergy.com



At the time that judy's information was originally sent her name was different. That is why here ww-6A3 information is different than me sending her permit information. When the original info was sent she lived at rd 3 box 132E in wheeling she has since moved to kissimmie, fl.

In regards to the receipts for the ww6a5 and others the receipts were included in the packet. I don't always have the signed green cards back and they have always accepted the certified receipts.

The application was in the order that it needed to be, the only difference was that I put the commission application right behind the check because they don't have the commission part on the check list and it was our understanding that even before genes group looks at it, it goes to Cindy Raines and that way her part was right on top.

sent via the Samsung GALAXY S® 5, an AT&T 4G LTE smartphone

Stansberry, Wade A

From: Stansberry, Wade A
Sent: Monday, May 11, 2015 9:59 AM
To: 'McGregor, Tim'
Subject: ERLEWINE PAD 12UH, 14HU, AND 16HU Deep Well Deficiencies

12HU and 14HU

WVDEP will need the correct address and name for **Judy Bertrand** for the 6A3 form. The receipt that was included for the WW-6A3 for **Judy Donato** located in Kissimmee, Florida. It was signed by **Mike Bertrand**, but will need the name/address fixed to match the appropriate place it was sent and to whom. On the 6A3 form, her name was Judy Bertrand Rd. 3 Box 132E, Wheeling, WV 26003. We will also need the a copy of the receipt for **Richard Erlewine** for the Notice of Planned Operations WW-6A5.

16HU

WVDEP will need Receipts for WW-6A forms. We will need all 6A-3, 6A-4 and 6A5 forms and their appropriate receipts.

***The corrections can be sent electronically in order to get them into the review process quicker.**

There was a lot of confusing regarding these applications. For future deep horizontal well/horizontal well applications, please have them in the appropriate order before submission.

I apologize for the many emails prior regarding 12UH.

Please let me know if you have any questions about the clarity of what is needed.

Thank you,

Wade A. Stansberry
Environmental Technician 1
West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 ext. 1653
(304) 926-0452 fax
Wade.A.Stansberry@wv.gov

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
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Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 265055

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Charlene Wade
Address: PO Box 9091
Daytona Beach, FL 32120

*please attach additional forms if necessary

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Email: mcgregortp@stoneenergy.com

Address: 1300 Fort Pierpont Drive - Suite 201
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Proctor, WV 265055

Name: _____

Address: _____

Name: _____

Address: _____

COAL OWNER OR LESSEE

Name: _____

Address: _____

MINERAL OWNER(s)

Name: Doreen Judge

Address: 111 Cedar Ave.
Moundsville, WV 26041

*please attach additional forms if necessary

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Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Gerald Judge
Address: 309 Sycamore Ave.
Moundsville, WV 26041

*please attach additional forms if necessary

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Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Ronald Carney
Address: Road 2 Box 317
Moundsville, WV 26041

*please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>WV</u>	Approx. Latitude & Longitude: <u>4,392,668 / 517,416</u>
County: <u>Wetzel</u>	Public Road Access: <u>Wetzel County Route 1/2</u>
District: <u>Proctor</u>	Watershed: <u>Tributary of Proctor Creek</u>
Quadrangle: <u>New Martinsville</u>	Generally used farm name: <u>Erlewine, Richard</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Stone Energy Corporation
Telephone: 304-225-1788
Email: mgregortp@stoneenergy.com

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508
Facsimile: 337-521-9912

Received
Office of Oil & Gas
MAY 07 2015

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 6/21/2012 **Date of Planned Entry:** 7/3/2012

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
 REGISTERED MAIL
 METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 265055

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Rebecca Lough
Address: PO Box 9091
Daytona Beach, FL 32120

*please attach additional forms if necessary

Notice is hereby given:

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District: <u>Proctor</u>	Watershed: <u>Tributary of Proctor Creek</u>
Quadrangle: <u>New Martinsville</u>	Generally used farm name: <u>Erlewine, Richard</u>

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Notice is hereby given by:

Well Operator: Stone Energy Corporation
Telephone: 304-225-1788
Email: mcgregortp@stoneenergy.com

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508
Facsimile: 337-521-9912

Received
Office of Oil & Gas
MAY 07 2015

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02/17/2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 6/21/2012 **Date of Planned Entry:** 7/3/2012

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
 REGISTERED MAIL
 METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

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Notice is hereby provided to:

SURFACE OWNER(s)

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 265055

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Joyce Ellen Weltz (Coakeley)
Address: 640 Riverside Dr.
Sistersville, WV 26175

*please attach additional forms if necessary

Notice is hereby given:

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District: <u>Proctor</u>	Watershed: <u>Tributary of Proctor Creek</u>
Quadrangle: <u>New Martinsville</u>	Generally used farm name: <u>Erlewine, Richard</u>

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Email: mgregorpt@stoneenergy.com

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Morgantown, WV 26508
Facsimile: 337-521-9912

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Office of Oil & Gas
MAY 07 2015

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02/17/2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 10/2/2013 **Date of Planned Entry:** 7/3/2012

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
 REGISTERED MAIL
 METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

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Notice is hereby provided to:

SURFACE OWNER(s)

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 265055

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Thomas E. Miller
Address: 3140 E. Shasta Lane
Vail, AZ 85641

*please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

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District: <u>Proctor</u>	Watershed: <u>Tributary of Proctor Creek</u>
Quadrangle: <u>New Martinsville</u>	Generally used farm name: <u>Erlewine, Richard</u>

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Notice is hereby given by:

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Telephone: 304-225-1788
Email: mcgregortp@stoneenergy.com

Address: 1300 Fort Pierpont Drive - Suite 201
Morgantown, WV 26508
Facsimile: 337-521-9912

Received
Office of Oil & Gas
MAY 07 2015

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02/17/2017

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Notice is hereby provided to:

SURFACE OWNER(s)

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 265055

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: Chesapeake Appalachia LLC
Address: PO Box 18496
Oklahoma City, OK 73154

*please attach additional forms if necessary

Notice is hereby given:

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02/17/2017



6000 Hampton Center, Suite B
Morgantown, WV 26505-1748
Telephone: (304) 599-1457
Fax: (337) 291-7787

April 18, 2012

Dear Surface and Mineral Owners;

My name is Tim McGregor and I am the Land Coordinator for Stone Energy Corporation.

Stone Energy Corporation is making plans for our 2012/2013 drilling program and your surface or minerals under this surface have been chosen as a possible drilling site. The site will be identified as the Erlewine Pad site. Our company will be sending out our field review team to start evaluating our future sites starting in the next couple of weeks. We do not want to come on your surface without proper notification and we are also asking if you would like to be in attendance.

Mr. Carl Bailes will be leading our team to make the assessment of your surface. You can contact Carl directly at the following number (304) 304-276-9535 or please feel free to contact me at any time.

We are planning on visiting your location on May 3, 2012.

If you have any questions or concerns please contact Danielle Snoderly Administrative Assistant at (304) 225-1775 in our land department.

Sincerely,

A handwritten signature in black ink that appears to read "Tim McGregor".

Tim McGregor

Land Coordinator

Stone Energy Corporation

6000 Hampton Center Suite E

Morgantown WV 26505

304-225-1788

mgregortp@stoneenergy.com

CC: Richard Erlewine

Ronald & Glenna Carney

Ralph Douglas & Jean Huff

Nita L. & Ronald Adkins

Joyce Ellen Weltz

Judy Donato

Rebecca Lough

Charlene & Gary Wade

Doreen Judge

Gerald Judge

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Richard Erlewine
RT. 1 Box 72
Proctor, WV. 26055

2. Article Number (Transfer from service label) **7011 1570 0002 9034 9878** Domestic Return Receipt
 PS Form 3811, February 2004 102595-02-M-1540

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
Glenna Carney
 B. Received by (Printed Name) Agent
Glenna Carney
 C. Date of Delivery **4-20**
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Ronald & Glenna Carney
RD2 Box 317
Moundsville, WV, 26041

2. Article Number (Transfer from service label) **7011 1570 0002 9034 9885** Domestic Return Receipt
 PS Form 3811, February 2004 102595-02-M-1540

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
Glenna Carney
 B. Received by (Printed Name) Agent
Glenna Carney
 C. Date of Delivery **4-20**
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Ralph Douglas & Jean Huff
4 Corliss Terrace
Wheeling, WV. 26003

2. Article Number (Transfer from service label) **7011 1570 0002 9034 9892** Domestic Return Receipt
 PS Form 3811, February 2004 102595-02-M-1540

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
Ralph Douglas
 B. Received by (Printed Name) Agent
Jean Huff
 C. Date of Delivery **4-21**
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Ronald & Nita L. Adkins
21505 Chancellors Run Rd.
Great Mills, MD. 20634

2. Article Number (Transfer from service label) **7011 1570 0002 9034 9908** Domestic Return Receipt
 PS Form 3811, February 2004 102595-02-M-1540

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
Nita L. Adkins
 B. Received by (Printed Name) Agent
Nita L. Adkins
 C. Date of Delivery **4-21**
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

Received
 Office of Oil & Gas
 MAY 07 2015

02/17/2017

See email
 * Marriages - Name Change while Notices were being sent

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Joyce Ellen Weitz
 640 Riverside Drive
 Sisterville, WV. 26175

2. Article Number (Transfer from service label) 7011 1570 0002 9034 9915
 Domestic Return Receipt PS Form 3811, February 2004 10295-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Received by (Printed Name) Joyce Weitz
 B. Received by (Printed Name) Joyce Weitz
 C. Date of Delivery 2/11/04
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Rebecca Lough
 PO Box 9091
 Daytona Beach, FL. 32120

2. Article Number (Transfer from service label) 7011 1570 0002 9034 9939
 Domestic Return Receipt PS Form 3811, February 2004 10295-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Received by (Printed Name) Charlene M. Wade
 B. Received by (Printed Name) Charlene M. Wade
 C. Date of Delivery 2/11/04
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

Received
 Office of Oil & Gas
 MAY 07 2015

02/17/2017

SENDER: COMPLETE THIS SECTION		RECIPIENT: COMPLETE THIS SECTION	
<p>1. Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>2. Print your name and address on the reverse so that we can return the card to you.</p> <p>3. Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>4. Article Addressed to:</p> <p>Doreen Judge 111 Cedar Ave. Rear Moundsville, WV. 26041</p>		<p>1. Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>2. Print your name and address on the reverse so that we can return the card to you.</p> <p>3. Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>4. Article Addressed to:</p> <p>Gerald Judge 309 Sycamore Ave. Moundsville, WV. 26041</p>	
<p>A. Signature <i>Doreen Judge</i></p> <p>B. Received by (Printed Name) Doreen Judge</p> <p>C. Date of Delivery 02/17/12</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p>		<p>A. Signature <i>Gerald Judge</i></p> <p>B. Received by (Printed Name) Gerald Judge</p> <p>C. Date of Delivery 02/17/12</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p>	
<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes </p>		<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes </p>	
<p>Article Number (Transfer from service label) 7011 1570 0002 9034 9953</p> <p>PS Form 3811, February 2004</p>		<p>Article Number (Transfer from service label) 7011 1570 0002 9034 9960</p> <p>PS Form 3811, February 2004</p>	

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

7013 0600 0002 0006 4274

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance or Package Protection)

For delivery information, visit www.usps.com

Postage: _____
 Certified Fee: _____
 Return Receipt Fee (Endorsement Required): _____
 Restricted Delivery Fee (Endorsement Required): _____
 Total Postage & Fees: \$ 8.55

Postmark: **OCT 04 2013**

From: Thomas E. Miller
 3140 E. Shasta Lane
 Vail, AZ 85641

7013 0600 0002 0006 4274

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance or Package Protection)

For delivery information, visit www.usps.com

Postage: _____
 Certified Fee: _____
 Return Receipt Fee (Endorsement Required): _____
 Restricted Delivery Fee (Endorsement Required): _____
 Total Postage & Fees: \$ 8.55

Postmark: **OCT 04 2013**

From: Chesapeake Appalachia LLC
 P.O. Box 18496
 Oklahoma City, OK 73154
 Attn: Amber Vawter

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

Chesapeake Appalachia LLC
 P.O. Box 18496
 Oklahoma City, OK 73154
 Attn: Amber Vawter

2. Article Number
(Transfer from service label) **7013 0600 0002 0006 4274**

PS Form 3811, February 2004 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Signature **RECEIVED** Agent
 Addressee

B. Received by (Printed Name)
OCT 04 2013 C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

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1. Article Addressed to:

Thomas E. Miller
 3140 E. Shasta Lane
 Vail, AZ 85641

2. Article Number
(Transfer from service label) **7013 0600 0002 0006 4298**

PS Form 3811, February 2004 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Signature Agent
 Addressee

B. Received by (Printed Name)
Tom Miller C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

Received
 Office of Oil & Gas
 MAY 07 2015

02/17/2017

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL**

WAIVER

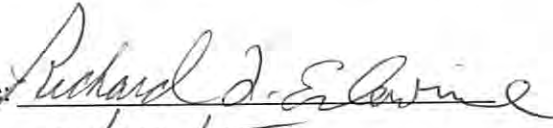
Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Surface Owner Waiver:

I, Richard Erlewine, hereby state that I have read the notice provisions listed above and hereby waive the notice requirements under West Virginia Code § 22-6A-16(b) for the tract of land as follows:

State:	<u>WV</u>	UTM NAD 83	Easting:	<u>517,408</u>
County:	<u>Wetzel</u>		Northing:	<u>4,392,651</u>
District:	<u>Proctor</u>	Public Road Access:	<u>Wetzel County Route 1/2</u>	
Quadrangle:	<u>New Martinsville</u>	Generally used farm name:	<u>Erlewine, Richard</u>	
Watershed:	<u>Tributary of Proctor Creek</u>			

Name: Richard Erlewine
Address: Route 1, Box 72
Proctor, WV 26055

Signature: 
Date: 2/28/15

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
MAY 07 2015

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION**

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 05/05/2015 **Date Permit Application Filed:** 05/08/2015

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL HAND
- RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: Richard Erlewine	Name: _____
Address: Route 1, Box 72	Address: _____
Proctor, WV 26055	

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: West Virginia	UTM NAD 83	Easting: 517,416
County: Wetzel		Northing: 4,392,668
District: Proctor	Public Road Access: Wetzel County Route 1/2	
Quadrangle: New Martinsville	Generally used farm name: Erlewine, Richard	
Watershed: Tributary of Proctor Creek		

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: Stone Energy Corporation	Address: 1300 Fort Pierpont Drive - Suite 201
Telephone: (304) 225-1788	Morgantown, WV 26508
Email: McGregorTP@StoneEnergy.com	Facsimile: (337) 521-9912

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
MAY 07 2015

16 H4

WW-6A5

7013 0600 0002 0006 0542

CERTIFIED MAILTM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

Postage	\$	Postmark Here MAR 04 2015
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 8.45	

Sent to

Richard Erlewine ✓
Street, Apt. No.,
or PO Box No. RT. 1 Box 72
City, State, ZIP Proctor, WV 26055

PS Form 3800, August 2006 See Reverse for Instructions

RECEIVED
Office of Oil and Gas

MAY 11 2015

WV Department of
Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

Earl Ray Tomblin
Governor

Paul A. Mattox, Jr., P. E.
Secretary of Transportation/
Commissioner of Highways

February 17, 2015

James A. Martin, Chief
Office of Oil and Gas
Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Subject: DOH Permit for the Erlewine Pad, Wetzel County

Erlewine 12HU Erlewine 14HU Erlewine 16HU

Dear Mr. Martin,

This well site will be accessed from permit 06-2011-0131 issued to Stone Energy Corporation for access to the State Road for a well site located off of Wetzel County Route 1/2 SLS.

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

A handwritten signature in blue ink that reads "Gary K. Clayton".

Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

Cc: Tim McGregor
Stone Energy Corporation
CH, OM, D-6
File



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

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Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

Cc: Tim McGregor
Stone Energy Corporation
CH, OM, D-6
File

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017



STONE ENERGY CORPORATION

Addendum for

Planned Additives to be Used in Fracturing or Stimulations

Listed below are the chemicals used in addition to water and sand (CAS-No 14808-60-7) and their respective quantities for slick water fracturing;

- 0.5 gal/thousand gallons of water – Friction Reducer (CAS-No 7783-20-2)
- 0.25 gal/thousand gallons of water – Bacteria Control (CAS-No 11-30-8)
- 0.25 gal/thousand gallons of water – Clay Stabilizer (CAS- No 75-57-0)
- 0.75 gal/thousand gallons of water – Surfactant (CAS-No Proprietary)
- 0.25 gal/thousand gallons of water – Scale Inhibitor (CAS-No 7601-54-9 & 107-21-1)
- 2000 gal of 15% HCl (CAS-No 7647-01-0) per stage with/ 2 gal/thousand gallons of acid Corrosion Inhibitor (CAS-No 67-56-1, 107-19-7, & Proprietary) and 6 pints/thousand gallons of acid – Iron Stabilizer (CAS-No 6381-77-7)
- A 15 lb. Linear Gel and breaker is sometimes used during a stage but the exact amount is not known until the stimulation is in progress (CAS-No Proprietary & 7727-54-0)

PMH
2-27-15

Received
Office of Oil & Gas
MAY 07 2015

02/17/2017

WW-6A7
(6-12)

OPERATOR: Stone Energy Corporation WELL NO: #16HU

PAD NAME: Erlewine

REVIEWED BY: Timothy P. McGregor SIGNATURE: 

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

- NA At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR
- NA DEP Waiver and Permit Conditions
- NA At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR
- NA DEP Waiver and Permit Conditions
- NA At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR
- NA DEP Waiver and Permit Conditions
- NA At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR
- NA Surface Owner Waiver and Recorded with County Clerk, OR
- NA DEP Variance and Permit Conditions
- NA At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR
- NA Surface Owner Waiver and Recorded with County Clerk, OR
- NA DEP Variance and Permit Conditions
- NA At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR
- NA Surface Owner Waiver and Recorded with County Clerk, OR
- NA DEP Variance and Permit Conditions

02/17/2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
BLANKET BOND FOR OIL OR GAS WELLS,
LIQUID INJECTION WELLS OR WASTE DISPOSAL WELLS

KNOWN ALL MEN BY THESE PRESENTS:

(1) That we, Stone Energy Corporation

(2) 625 East Kaliste Saloom Road Lafayette, LA 70508

As Principal, and (3) RLI Insurance Company

(4) 8 Greenway Plaza, Suite 400 Houston, TX 77046

a firm and/or a corporation authorized to do business in the State of West Virginia, as Surety, are held and firmly bound unto the State of West Virginia in the just and full sum of (5) Two Hundred Fifty Thousand and No/100 dollars (\$250,000.00) to the payment whereof well and truly to make, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above bound Principal in pursuance of the provisions of Chapter 22, Article 6 and/or 6A, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, has made or intends to make application to the Chief of the Office of Oil and Gas, Department of Environmental Protection, the State of West Virginia for a permit to perform well work (as defined in Chapter 22, Article 6 and/or 6A), on oil or gas wells and/or liquid injection wells and/or waster disposal wells, or has acquired or purchased, or shall hereafter acquire or purchase such wells, or has been or shall be assigned operating responsibility for such wells located in West Virginia; and

WHEREAS, THE Obligee as a condition precedent to the issuance of such Permit or release of other obligation has required the Principal to furnish a SURETY BOND acceptable to the Obligee guaranteeing the performance of said provisions of Chapter 22, Article 6 or 6A, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder;

NOW THEREFORE, the condition of this obligation is such that if the Principal, its personal representatives, successors, heirs and assigns shall in performing well work (as defined in Chapter 22, Article 6 and/or 6A) or operating such wells shall furnish all reports, information and affidavits as may be required by the Department of Environmental Protection, Office of Oil and Gas, documenting that said wells have been plugged and abandoned in accordance with Chapter 22, Article 6, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, then this obligation to be void; otherwise to remain in full force and effect.

This bond shall be effective from the (11) 30th day of April, 2012, until released by the Department of Environmental Protection.

IN WITNESS WHEREOF the said Principal has hereunder set his or its hand and affixed his or its seal, and the said surety has caused its corporate name to be signed hereto and its corporate seal to be hereunto affixed by its duly authorized officer or agent this instrument this (12) 30th day of April, 2012.

(15) Principal (13) Stone Energy Corporation (Seal)
Corporate Seal (Principal)

(14) By: Kenneth H. Beer
(Title)
(Must be President or V. President)
Kenneth H. Beer, Executive VP and CFO

(18) Surety (16) RLI Insurance Company
Corporate Seal (Surety)

(17) By: Robbie Duxbury
Robbie Duxbury, Attorney-in-Fact

19) Countersigned: N/A
(Resident West Virginia Agent)

(20) Address: _____

(21) Telephone: _____



ACKNOWLEDGMENTS

Acknowledgment by Principal if Individual or Partnership

- 1. STATE OF _____
 - 2. County of _____ to-wit:
 - 3. I, _____, a Notary Public in and for the
 - 4. county and state aforesaid, do hereby certify that _____ whose name is signed to the foregoing writing, has this day acknowledged the same before me in my said county.
 - 5. Given under my hand this _____ day of _____ 20_____
 - 6. Notary Seal _____
 - 7. _____
- (Notary Public)
- 8. My commission expires on the _____ day of _____ 20_____

Acknowledgment by Principal if Corporation or Limited Liability Company

- 9. STATE OF LOUISIANA
 - 10. Parish County of LAFAYETTE to-wit:
 - 11. I, NONA SCHOOLES, a Notary Public in and for the
 - 12. Parish county and state aforesaid, do hereby certify that KENNETH H. BEER
 - 13. who as, EXECUTIVE VP and CFO signed the foregoing writing for
 - 14. STONE ENERGY CORPORATION a corporation/LLC, has this day, in my said county, before me, acknowledged the said writing to be the act and deed of the said corp/LLC.
 - 15. Given under my hand this 1st day of May 20 12
 - 16. Notary Seal _____
 - 17. Nona Schooles
Nona Schooles ID # 63703
- (Notary Public)
- 18. My commission expires on the with life day of _____ 20_____

Acknowledgment by Surety

- 19. STATE OF Texas
 - 20. County of Harris to-wit:
 - 21. I, Nancy Cruz, a Notary Public in and for the
 - 22. county and state aforesaid, do hereby certify that Robbie Duxbury
 - 23. who as, Attorney-in-Fact signed the foregoing writing for
 - 24. RLI Insurance Company a corporation has this day, in my said county, before me, acknowledged the said writing to be the act and deed of the said corporation.
 - 25. Given under my hand this 30th day of April 20 12
 - 26. Notary Seal _____
 - 27. Nancy Cruz
- (Notary Public)
- 28. My commission expires on the 22nd day of July 20 13

Sufficiency in Form and Manner Of Execution Approved

This _____ day of _____ 20 _____

Attorney General

By _____ (Assistant Attorney General)





RLB0014373

RLI Surety
A Division of RLI Insurance Company

POWER OF ATTORNEY

RLI Insurance Company

Know All Men by These Presents:

That the RLI INSURANCE COMPANY, a corporation organized and existing under the laws of the State of Illinois, and authorized and licensed to do business in all states and the District of Columbia does hereby make, constitute and appoint: ROBBIE DUXBURY in the City of HOUSTON, State of TEXAS, as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, all of the following classes of documents to-wit:

\$250,000.00

Indemnity, Surety and Undertakings that may be desired by contract, or may be given in any action or proceeding in any court of law or equity; policies indemnifying employers against loss or damage caused by the misconduct of their employees; official, bail and surety and fidelity bonds. Indemnity in all cases where indemnity may be lawfully given; and with full power and authority to execute consents and waivers to modify or change or extend any bond or document executed for this Company, and to compromise and settle any and all claims or demands made or existing against said Company.

The RLI INSURANCE COMPANY further certifies that the following is a true and exact copy of a Resolution adopted by the Board of Directors of RLI Insurance Company, and now in force to-wit:

"All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or Agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers-of-Attorney, or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

(Blue shaded areas above indicate authenticity)

IN WITNESS WHEREOF, the RLI Insurance Company has caused these presents to be executed by its PRESIDENT with its corporate seal affixed this

ATTEST:
Jean M. Stephenson
CORPORATE SECRETARY
State of Illinois)
County of Peoria) SS



RLI INSURANCE COMPANY
Michael J. Stone
PRESIDENT

On this 30 day of April 2012 before me, a Notary Public, personally appeared Michael J. Stone and Jean M. Stephenson, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as President and Corporate Secretary, respectively, of the said RLI INSURANCE COMPANY, and acknowledged said instrument to be the voluntary act and deed of said corporation.

Jacqueline M. Bockler
Notary Public



SPA027 (03/11)

02/17/2017