



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

March 17, 2014

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-10302976, issued to STONE ENERGY CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: PRIBBLE 6HU
Farm Name: PRIBBLE, RAYMOND
API Well Number: 47-10302976
Permit Type: Horizontal 6A Well
Date Issued: 03/17/2014

Promoting a healthy environment.

03/21/2014

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.



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
Randy C. Huffman, Cabinet Secretary
dep.wv.org

March 11, 2014

Department of Environmental Protection
Office of Oil and Gas
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-103-02976

COMPANY: Stone Energy Corporation

FARM: Raymond Pribble - Pribble#6HU

COUNTY: Wetzel DISTRICT: Proctor QUAD: New Martinsville

The deep well review of the application for the above company is **APPROVED FOR TRENTON – Utica/Point Pleasant completion.** If operator wishes to drill deeper than the Trenton, additional approval must be obtained from the OGCC.

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; Yes
2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; none
3. Provided a plat showing that the proposed location is a distance of 400+ top hole, 400' lateral, 422' at bottom hole feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines
Executive Assistant

WW-6B
(9/13)

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: Pribble #6HU Well Pad Name: Pribble

3) Farm Name/Surface Owner: Pribble, Raymond Public Road Access: County Route 1/2

4) Elevation, current ground: 1,337' Elevation, proposed post-construction: 1,320'

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

(b) If Gas Shallow Deep
Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):
Target is the Utica Shale/Point Pleasant formation @ 10,760' TVD (-9,416' SL), thickness is anticipated to be 239', RP = 8,696 psig

8) Proposed Total Vertical Depth: 10,760' TVD (lateral in Utica/Point Pleasant) & 10,980' TVD (pilot hole to Trenton LS for logging purposes)

9) Formation at Total Vertical Depth: Utica Shale/Point Pleasant (lateral) & Trenton LS (pilot hole for logging purposes)

10) Proposed Total Measured Depth: 14,810' MD (lateral in Utica/Point Pleasant)

11) Proposed Horizontal Leg Length: 4,770'

12) Approximate Fresh Water Strata Depths: Shallowest @ 114' and deepest @ 1,050'

13) Method to Determine Fresh Water Depths: Depth of bit w/show of fluid at flowline or when drilling has to be done with soap

14) Approximate Saltwater Depths: Shallowest @ 1,619'

15) Approximate Coal Seam Depths: 1,040'

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

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

Resident
Office of Oil & Gas

FEB 21 2014

AS
2/21/14

WW-6B
(9/13)

18)

CASING AND TUBING PROGRAM

<u>TYPE</u>	<u>Size</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling</u>	<u>INTERVALS: Left in Well</u>	<u>CEMENT: Fill-up (Cu. Ft.)</u>
Conductor	24"	New	L/S	94.71	80'	80'	30
Fresh Water/Coal	18.625"	New	H40	87.5	1,320'	1,320'	1,333 CTS
Intermediate 1	13.375"	New	J55	54.5	2,475'	2,475'	Tail 541 - Lead 1,375 CTS
Intermediate 2	9.625"	New	P110	53.5	8,200'	8,200'	Tail 1,500 - Lead 1,100 CTS
Production	5.5"	New	P110	23.0	14,810'	14,810'	2,400 - TOC @ 6,200'
Tubing							
Liners							

Note: The Fresh Water/Coal string will be set as close to elevation as possible but never will it be set below elevation. This is necessary due to a rubble zone below the Pittsburgh coal seam.

<u>TYPE</u>	<u>Size</u>	<u>Wellbore Diameter</u>	<u>Wall Thickness</u>	<u>Burst Pressure</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	24"	26.0"	0.375"	1,180	Type 1	1.18
Fresh Water/Coal	18.625"	22.0"	0.435"	1,630	Class A	1.19
Intermediate 1	13.375"	17.5"	0.380"	2,730	FlexSeal - Class A	1.25 Lead - 1.19 Tail
Intermediate 2	9.625"	12.25"	0.545"	10,900	FlexSeal - Class A	1.25 Lead - 1.23 Tail
Production	5.5"	8.75"	0.415"	14,520	Class A	1.2
Tubing						
Liners						

PACKERS

Kind:				
Sizes:				
Depths Set:				

Pennsylvania
Office of Oil & Gas

Handwritten signature and date: 2/21/14

FEB 21 2014

WW-6B
(9/13)

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

Well work will include mobilizing a rig to drill a pilot hole into the Trenton Limestone to allow for logging of the Utica Shale/Point Pleasant. In doing so it will set and cement the Fresh Water/Coal casing and the set and cement two intermediate casing strings. Once the well is logged it will be plugged back from TD at ~10,980' TVD to approximately 500' above the KOP with a solid cement plug. A second rig will be utilized to drill the well horizontally from KOP to TD and run and cement production casing.

CK

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

Fracturing will be done by slick water stimulation of approximately 14 individual stages through out the lateral length. Perforations will be done by using pump down plugs and perf guns for each stage. Once the well is stimulated it will be cleaned up and tested prior to turning the well over to the production department. Maximum treating pressure is anticipated to be in the 13,000 psig range and the maximum pump rate will be 85 bpm.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 7.01

22) Area to be disturbed for well pad only, less access road (acres): 3.65

23) Describe centralizer placement for each casing string:

-Fresh Water/Coal string will use bow spring centralizers with one above guide shoe and then every second joint to surface.
 -Intermediate strings will use bow spring centralizers with one being placed above the guide shoe, one above the float collar and one on every third joint to surface. One rigid centralizers be placed as close as possible to the surface.
 -Production string will use left/right rigid spiral centralizers one on every 4th joint from TD to KOP and then one on every third joint from KOP to TOC.

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

-Fresh Water casing will be cemented using a Class "A" cement with between 1.0% an 3.0% CaCl₂ and 0.25 Cello Flake/Sx.
 -Intermediate casings will be cemented using a Class "A" cement with a Lead blend of 0.2 gps Accelerator, 0.07 gps Dispersent, 0.1 gps Anti-Foam, 4.0% Expanding Agent, and .5% Gas Control Agent. Tail cement will Class "A" with 1.0% CaCl₂, 0.1 lb/sx Cello-Flake, and 0.2% Anti-Foam.
 -Production casing will be cemented with Class "A" cement with 0.9% Dispersant, 0.3% Fluid Loss, 0.2% Anti-Foam, and 0.6% Retarder.

25) Proposed borehole conditioning procedures:

-Fresh Water/Coal section will be conditioned by circulating air/mist through the drill string at TD for between 30 60 minutes until well bore is clean of cuttings.
 -Intermediate sections will be conditioned by circulating air/stiff foam through the drill string at TD for between 30 to 120 minutes until well bore is clear of cuttings.
 -Production section will be conditioned by circulating drilling fluid through the drill string at TD for between 60 to 720 minutes (minimum of three bottoms up) until shakers are clear of cuttings and the drill string pulled free off of bottom.

Office of Oil & Gas

*Note: Attach additional sheets as needed.

KS 2/21/14

FEB 21 2014

103-02976

Well: Pribble #6HU
 State: West Virginia
 County: Wetzel
 District: Proctor
 Prospect: Mary
 Location: Surface: Lat = 39.69114° N & Long = 80.82013° W / (N)436,569' (E)1,628,512' (State Plane WV North NAD 27, Grid North)
 Permitted BHL: Lat = 39.70244° N & Long = 80.82515° W / (N)440,795' (E)1,627,162' (State Plane WV North NAD 27, Grid North)
 Proposed TD: Pilot Hole: 10980' MD/TVD Horizontal: 14810' MD / 10760' TVD

PROPOSED HORIZONTAL
 Revision: 7-Jan-14

Permit Number: 47-103-
 Permit Issued:
 Ground Elevation: 1320'
 Kelly Bushing: 24'
 Rig: Patterson Rig #312
 Spud Date:
 TD Date:
 Rig Release Date:

HOLE SIZE	PILOT HOLE FORMATION TOPS	WELLBORE DIAGRAM	CASING & CEMENTING DATA DIRECTIONAL DATA	MW & FLUID TYPE	HOLE DEV.
Pre-Set Conductor	104' KB (80' BGL)		CONDUCTOR PIPE 24" x 3/8" wall L/S PE @ 104' (set in bedrock & grouted to surface)		Vertical
22" Hole (Hammer)	Shallowest FW 114' TVD Pittsburgh Coal 1040' TVD Deepest FW 1050' TVD 1320' TVD		SURFACE CASING 18-5/8" 87.5# H-40 STC @ 1320' MD/TVD Set through fresh water zones Set through coal zones Cemented to surface	Air / Mist	Vertical
17-1/2" Hole (Hammer)	RED BEDS Shallowest SW 1619' TVD Little Lime 1962' TVD Big Lime 2092' TVD Big Injun Sandstone 2172' TVD Base of Big Injun 2322' TVD 2475' TVD		1st INTERMEDIATE CASING 13-3/8" 54.5# J-55 STC @ 2475' 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)	Berea Sandstone 2662' TVD Gordon Sandstone 2912' TVD Warren Shale 3632' TVD Riley Shale 4582' TVD Benson Shale 4672' TVD Alexander Shale 4902' TVD Rhinstreet Shale 5902' TVD Middlesex Shale 6362' TVD West River Shale 6382' TVD Genesee Shale 6442' TVD Tully Limestone 6467' TVD Hamilton Shale 6503' TVD Marcellus Shale 6527' TVD Onondaga Limestone 6582' TVD Huntersville Chert 6588' TVD Oniskany Sandstone 6652' TVD Helderberg Limestone 6944' TVD Bass Island Dolomite 7164' TVD Salina Salt 7404' TVD Lockport Dolomite 7798' TVD Newburg Dolomite 8054' TVD 8200' TVD		2nd INTERMEDIATE CASING 9-5/8" 53.5# P-110 LTC @ 8200' MD/TVD Set through Salina salt Cemented to surface	Air / Dust	Vertical
8-1/2" Hole to Pilot Hole TD (Hammer / Insert Bits)	Keeper Sandstone 8364' TVD Niagran/Rose Hill 8405' TVD Packer Shell Limestone 8707' TVD Clinton/Tuscarora SS 8874' TVD Medina Sandstone 8904' TVD Queenston/Junita 9003' TVD Martinsburg/Reedsville 9453' TVD KOP 10040' TVD		PRODUCTION CASING 5-1/2" 23.0# P-110 Premium Conn @ 14810' MD / 10760' TVD Top of Cement @ -6200' (2000' inside 9-5/8")	Air / Dust	Vertical
8-1/2" Hole from KOP to LP (PDC / Insert Bits)	Utica Shale 10618' TVD	Plug Back w/ Cmt	Landing Point (LP) @ 11170' MD / 10760' TVD -90° angle -342° azimuth	SBM in Curve	Vertical
8-1/2" Hole in Lateral (PDC)	Point Pleasant 10749' TVD Trenton Limestone 10857' TVD	Pilot Hole		SBM in Lateral	-90°

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

TD @ 10980' TVD
 TD @ 14810' MD / 10760' TVD

Dmt
 1-8-14

RECEIVED
 Office of Oil and Gas

JAN 10 2014

WV Department of
 Environmental Protection

WW-9
(9/13)

API Number 47 - 103 - 02976
Operator's Well No. Pribble #6HU

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) Proctor Creek Quadrangle New Martinsville

Elevation 1,320' County Wetzel District Proctor

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: All waste material will be land filled at a permitted facility

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 2D0859721, 34-121-24037, 34-121-28086)
- Reuse (at API Number Flow back fluids will be stored and used on additional stimulations)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain)

Will closed loop system be used? If so, describe: A closed loop system will be used for both top hole and horizontal sections

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air, FW,

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

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

DMH
1-8-14

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. 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 County Sanitary Landfill (SWF-1021/WW109185)

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 *[Signature]*

Company Official (Typed Name) Timothy P. McGregor

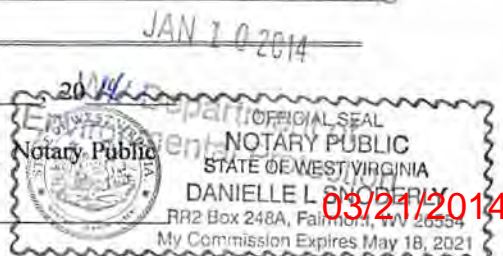
Company Official Title Land Coordinator

RECEIVED
Office of Oil and Gas

Subscribed and sworn before me this 8th day of January

[Signature]

My commission expires 5/18/2021



Form WW-9

Operator's Well No. Pribble #6HU

Stone Energy Corporation

Proposed Revegetation Treatment: Acres Disturbed 7.01 Prevegetation pH _____
 Lime 2.0 Tons/acre or to correct to pH 6.5
 Fertilizer type 100-20-20 or Equivalent
 Fertilizer amount 500 - 750 lbs/acre
 Mulch 0.50 to 0.75 TPA + Straw Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Marcellus Mix	100.0	Marcellus Mix	100.0
White or Ladino Clover	10.0	White or Ladino Clover	10.0
Orchard Grass	40.0	Orchard Grass	40.0
Winter Rye	50.0	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: [Signature]

Comments: _____

Title: Oil + Gas Inspector

Date: 1-8-14

Field Reviewed? Yes No

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 Office of Oil and Gas
 JAN 10 2014
 WV Department of
 Environmental Protection
 03/21/2014



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.

Dmit
1-8-14



Well Site Safety Plan

Pribble Well Pad
Proctor District, Wetzel County

Pribble 6HU

*Draft
1-8-14*

*Cindy Raines
3/12/2014*

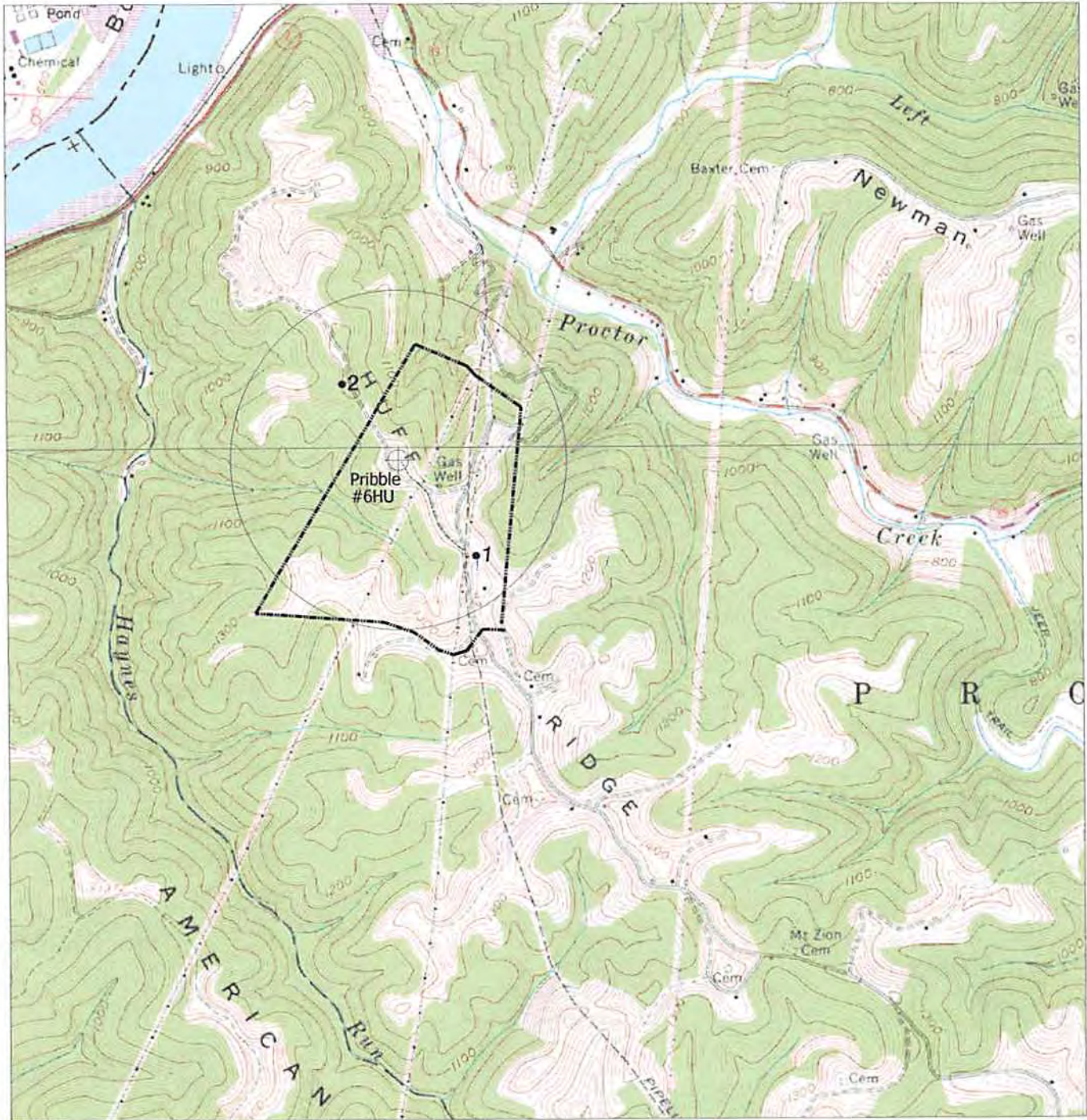
*Scanned & placed on Q: drive and also
on USB drive (attached)*

Stone Energy Corporation
6000 Hampton Center, Suite B
Morgantown, West Virginia 26505
(304) 225-1600

Initial Preparation: December 11, 2013

03/21/2014

Stone Energy Corporation Pribble #6HU WATER



DmH
1-8-14

HUPP Surveying & Mapping

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

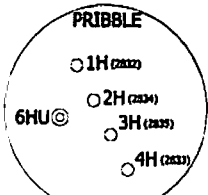
1" = 2000'

New Martinsville Quad

Stone Energy Corporation
P.O. Box 52807
Lafayette, LA 70508

03/21/2014

PRIBBLE #6HU



PRIBBLE #6HU SURFACE HOLE	
STATE PLANE COORDINATES NORTH ZONE-NAD 27	(N) 438569 (E) 1828512
L & L DECIMAL NAD 27	38.69114 80.82013
UTM (NAD 83) ZONE 17 METERS	4385502 915438

PRIBBLE #6HU BOTTOM HOLE		
STATE PLANE COORDINATES NORTH ZONE-NAD 27	L & L DECIMAL NAD 27	UTM (NAD 83) ZONE 17 METERS
(N) 440708 (E) 1827102	38.70244 80.82616	4394755 516008

PRIBBLE #6HU LANDING POINT		
STATE PLANE COORDINATES NORTH ZONE-NAD 27	L & L DECIMAL NAD 27	UTM (NAD 83) ZONE 17 METERS
(N) 437190 (E) 1828321	39.69284 80.82084	4394690 515977

REFERENCES

1" = 200'

WOOD STAKE

WOOD STAKE

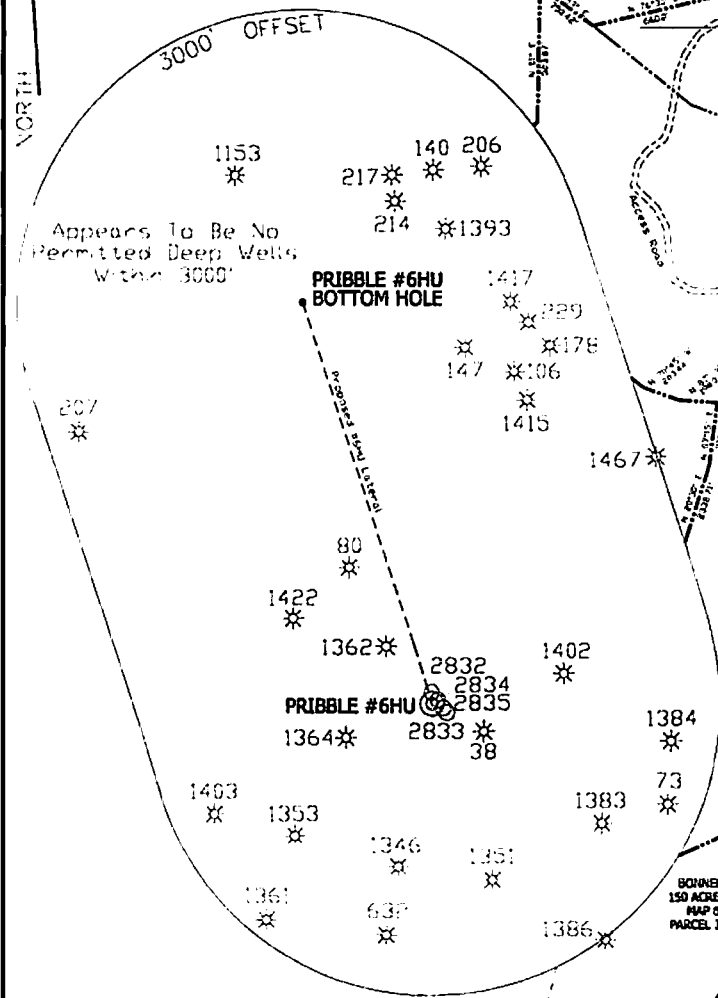
N 04° W
294.0'

N 35° W
285.0'

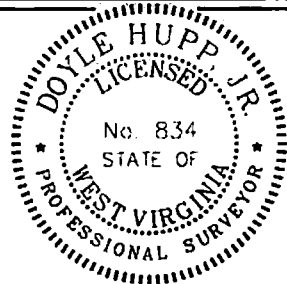
PRIBBLE #6HU

NOTES ON SURVEY

- NO DEVIATIONS WITHIN 625' WERE FOUND
- NO WATER WELLS OR DEVELOPMENT SPRINGS WITHIN 200' WERE FOUND
- ALL TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID
- NORTH AND NORTH ZONE NAD 27 WELL LAT/LONG, ESTABLISHED BY SG-GPS(OPUS)
- SURFACE OWNER AND ADJONER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WETZEL COUNTY IN MARCH, 2013 AND INFORMATION PROVIDED BY STONE ENERGY CORPORATION.
- WELLS SHOWN ARE TAKEN FROM RECORDS OF WADSWORTH



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JANUARY 6, 2014
 OPERATORS WELL NO. PRIBBLE #6HU

P.S. 834
Doyle Hupp Jr.
HUPP Surveying & Mapping
 P.O. Box 647 Grantsville, WV 26147
 (304) 354-7035 EMAIL: hupp@frontiernet.net

API WELL NO. **47-103-02976** H6A
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. W2007 (BK 48-38)
 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 "GAS" PRODUCTION STORAGE OTHER ALLOW

LOCATION: ELEVATION 1,337' WATERSHED PROCTOR CREEK
 DISTRICT PROCTOR COUNTY WETZEL QUADRANGLE NEW MARTINSVILLE 7.5'

SURFACE OWNER RAYMOND PRIBBLE ACREAGE 194.2±
 ROYALTY OWNER RAYMOND PRIBBLE, et al LEASE ACREAGE 414.50± **03/21/2014**

PROPOSED WORK: 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 POINT PLEASANT
ESTIMATED DEPTH TVD 10,980' MD 14,810'

WELL OPERATOR STONE ENERGY CORPORATION DESIGNATED AGENT TIM MCGREGOR
 ADDRESS P.O. BOX 52807 LAFAYETTE, LA 70508 ADDRESS 6000 HAMPTON CENTER SUITE B MORCANTOWN, WV 26059

COUNTY NAME
 PERMIT