

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - 017 - 06722 County Doddridge District West Union  
Quad West Union 7.5 Pad Name WEU2 Field/Pool Name \_\_\_\_\_  
Farm name Ruth R. Davies Pierce et al C/O Tom Davies Well Number 515875  
Operator (as registered with the OOG) EQT Production Company  
Address 625 Liberty Ave. EQT Plaza, Suite 1700 City Pittsburgh State PA Zip 15222

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,347,026.9 Easting 519,731.7  
Landing Point of Curve Northing 4,346,796.1 Easting 520,501.0  
Bottom Hole Northing 4,345,577.0 Easting 521,094.4

Elevation (ft) 1,156' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine

Mud Type(s) and Additive(s)  
Water base Mud 12.5 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 6/30/2015 Date drilling commenced 7/23/2015 Date drilling ceased 11/22/2015  
Date completion activities began 11/17/2015 Date completion activities ceased 11/22/2015  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 164', 272', 536', 833', 953' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 2053' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 246', 466', 548' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) \_\_\_\_\_

**APPROVED** DATE: 2/29/2016 NAME: Quacki Thomas  
**APPROVED** DATE: 03/04/2016 NAME: \_\_\_\_\_  
Office of Oil and Gas  
WV Department of Environmental Protection

API 47-017 - 06722 Farm name Ruth R. Davies Pierce et al C/O Tom Davies Well number 515875

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24"	20"	40'	NEW	A-500	n/a	Y
Surface	17 1/2"	13 3/8"	1,097'	NEW	J-55	511'	Y
Coal							
Intermediate 1	12 3/8"	9 5/8"	3,050'	NEW	A-500	1,868'	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	12,285'	NEW	P-110	N/A	N
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	38	15.6	1.18	44.84	0	8
Surface	Class A	884	15.6	1.20	1,061	0	8
Coal							
Intermediate 1	Class A	1,172	15.6	1.18	1,383	0	8
Intermediate 2							
Intermediate 3							
Production	Class H / Class H	910 / 576	15.2/15.6	1.25 / 2.06	2324.06	2,620'	24
Tubing							

Drillers TD (ft) 12,305' Loggers TD (ft) N/A

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 4,460'

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No  Conventional  Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

CONDUCTOR: NONE

SURFACE: 3 centralizers ran at 1,054', 634', & 219'

INTERMEDIATE: 7 centralizers ran at 3,006', 2,541', 2,037', 1,531', 1,027', 481', and 60'

PRODUCTION: Composite body spiral centralizers run every joint from TD to 3,500'

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WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS FEB 17 2016

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS WV Department of Environmental Protection

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_



API 47- 017 - 06722 Farm name Ruth R. Davies Pierce et al C/O Tom Davies Well number 515875

PRODUCING FORMATION(S)	DEPTHS	
MARCELLUS	6,674.90	TVD 7,644.00 MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2,145 psi Bottom Hole N/A psi DURATION OF TEST 71.50 hrs

OPEN FLOW Gas 12,217 mcfpd Oil N/A bpd NGL 89.3 bpd Water 799.7 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	0		0		

Please insert additional pages as applicable.

Drilling Contractor ALPHA HUNTER DRILLING (RIG 5)  
Address P.O. BOX 430 City RENO State OH Zip 45773

Logging Company Gyro Data  
Address 601 MAYER ST City BRIDGEVILLE State PA Zip 15017

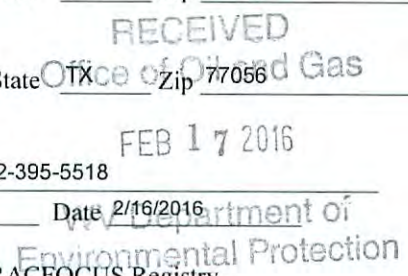
Cementing Company Baker Hughes  
Address 837 Philippi Pike City CLARKSBURG State WV Zip 26301

Stimulating Company Keane  
Address 2121 Sage Road City Houston State TX Zip 77056

Please insert additional pages as applicable.

Completed by Jim Helmick Telephone 412-395-5518  
Signature  Title VP Completions Date 2/16/2016

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry



03/04/2016

API 47- 017 - 06722 Farm name Ruth R. Davies Pierce et al C/O Tom Davies Well number 515875

Drilling Contractor Savanna Drilling (Rig 803)  
Address 125 Industry Road City Waynesburg State PA Zip 15370

Logging Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Logging Company Phoenix Technology Services  
Address 1805 Brittmoore Road City Houston State TX Zip 77043

Cementing Company Baker Hughes  
Address 837 Phillipi Pike City Clarksburg State WV Zip 26301

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515875 Final Formations (API #47-017-06722)				
Formation Name	Final Top MD (ftGL) (ft)	Final Top TVD (ft)	Final Btm MD (ftGL) (ft)	Final Btm TVD (ft)
FRESH WATER ZONE	1		963	
SAND/SHALE	1		256	
UNIONTOWN COAL	256		259	
SAND/SHALE	259		476	
PITTSBURGH COAL	476		479	
SAND/SHALE	479		558	
COAL	558		562	
SAND/SHALE	562		1,512.00	
MAXTON	1,512.00		1,566.00	
SAND/SHALE	1,566.00		1,908.00	
BIG LIME	1,908.00		1,977.00	
KEENER	1,977.00		2,053.00	
SAND/SHALE	2,053.00		2,207.00	
WEIR	2,207.00		2,333.00	
SAND/SHALE	2,333.00		2,409.00	
GANTZ	2,409.00		2,417.00	
SAND/SHALE	2,417.00		2,523.00	
50F	2,523.00		2,569.00	
SAND/SHALE	2,569.00		2,632.00	
30F	2,632.00		2,655.00	
GORDON	2,655.00		2,952.00	
BAYARD	2,952.00		3,286.00	
WARREN	3,286.00		3,347.00	
B-5	3,347.00		3,355.00	
SPEECHLEY	3,355.00		4,041.00	4,020.30
BALLTOWN B	4,041.00	4,020.30	4,041.00	4,020.30
BALLTOWN A	4,041.00	4,020.30	4,233.00	4,177.10
BRADFORD	4,233.00	4,177.10	4,505.00	4,389.70
RILEY	4,505.00	4,389.70	4,943.00	4,726.20
BENSON	4,943.00	4,726.20	5,198.00	4,919.90
ALEXANDER	5,198.00	4,919.90	5,809.00	5,378.00
RHINESTREET	5,809.00	5,378.00	6,326.00	5,773.40
SONYEA	6,326.00	5,773.40	7,214.00	6,446.20
MIDDLESEX	7,214.00	6,446.20	7,298.00	6,507.00
GENESSEE	7,298.00	6,507.00	7,480.00	6,610.90
GENESE0	7,480.00	6,610.90	7,508.00	6,624.20
TULLY	7,508.00	6,624.20	7,560.00	6,646.40
HAMILTON	7,560.00	6,646.40	7,644.00	6,674.90
MARCELLUS	7,644.00	6,674.90		

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**515875- 47-017-067220000 - Perforations**

Stage Number	Stimulation Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
Initiation Sleeve	11/17/2015	0	0	7,239	4,323	0	550	0
1	11/17/2015	100.1	8,037	8,408	4,533	249,040.00	6,193	0
2	11/17/2015	99.9	7,961	8,526	4,848	249,740.00	5,827	0
3	11/17/2015	100.3	7,850	8,024	5,153	250,460.00	6,302	0
4	11/17/2015	103.5	8,035	8,373	5,136	251,920.00	6,351	0
5	11/18/2015	104	7,932	7,672	4,925	251,160.00	6,377	0
6	11/18/2015	100.6	8,055	8,847	4,944	250,400.00	6,150	0
7	11/18/2015	101.6	8,297	8,915	4,872	250,680.00	6,397	0
8	11/18/2015	100.5	7,863	8,173	5,067	253,580.00	6,696	0
9	11/19/2015	101	8,011	8,784	4,699	252,380.00	6,648	0
10	11/19/2015	100.5	7,714	8,116	4,637	250,180.00	6,071	0
11	11/19/2015	101.7	7,763	8,147	4,699	249,580.00	6,077	0
12	11/19/2015	101	7,805	8,014	5,005	250,060.00	6,338	0
13	11/19/2015	101	8,058	8,956	4,822	250,360.00	6,354	0
14	11/20/2015	100.7	7,795	8,226	5,569	251,360.00	6,457	0
15	11/20/2015	100.3	7,969	8,591	5,138	250,720.00	6,114	0
16	11/20/2015	100.3	7,763	8,345	5,145	250,060.00	6,320	0
17	11/20/2015	100.6	7,758	8,244	5,470	250,120.00	5,918	0
18	11/20/2015	100.8	7,593	8,006	5,577	249,980.00	6,364	0
19	11/20/2015	100.5	7,762	8,133	4,608	251,680.00	6,365	0
20	11/20/2015	101	7,583	7,853	5,194	250,280.00	6,395	0
21	11/21/2015	100.4	7,677	7,999	5,317	248,680.00	6,162	0
22	11/21/2015	100.4	7,325	7,591	4,680	249,520.00	5,941	0
23	11/21/2015	100.1	7,539	8,507	4,845	250,600.00	5,866	0
24	11/21/2015	100.7	7,861	8,508	5,057	250,820.00	5,952	0
25	11/21/2015	99.6	7,301	7,591	4,530	248,080.00	6,315	0
26	11/21/2015	100.9	7,445	7,705	5,190	249,820.00	5,874	0
27	11/22/2015	100.9	7,480	7,963	5,071	249,820.00	5,878	0
28	11/22/2015	100.6	7,580	7,958	5,067	250,660.00	5,828	0
29	11/22/2015	101.7	7,408	7,566	5,164	250,780.00	6,184	0
30	11/22/2015	100.8	7,586	7,896	4,957	252,140.00	6,126	0

ENVIRONMENTAL PROTECTION  
 W.V. DEPARTMENT OF ENVIRONMENT  
 OFFICE OF OIL AND GAS

**515875- 47-017-067220000 - Perforations**

<b>Stage Number</b>	<b>Perforation Date</b>	<b>Top Perf Depth (ftKB)</b>	<b>Bottom Perf Depth (ftKB)</b>	<b>Number of Shots</b>	<b>Formation</b>
<b>Initiation Sleeve</b>	11/12/2015	12,284	12,285	10	MARCELLUS
<b>1</b>	11/17/2015	12,139	12,231	32	MARCELLUS
<b>2</b>	11/17/2015	11,989	12,111	40	MARCELLUS
<b>3</b>	11/17/2015	11,839	11,961	40	MARCELLUS
<b>4</b>	11/17/2015	11,689	11,811	40	MARCELLUS
<b>5</b>	11/18/2015	11,539	11,661	40	MARCELLUS
<b>6</b>	11/18/2015	11,394	11,511	40	MARCELLUS
<b>7</b>	11/18/2015	11,239	11,361	40	MARCELLUS
<b>8</b>	11/18/2015	11,089	11,211	40	MARCELLUS
<b>9</b>	11/19/2015	10,939	11,061	40	MARCELLUS
<b>10</b>	11/19/2015	10,789	10,911	40	MARCELLUS
<b>11</b>	11/19/2015	10,639	10,758	40	MARCELLUS
<b>12</b>	11/19/2015	10,489	10,611	40	MARCELLUS
<b>13</b>	11/19/2015	10,339	10,461	40	MARCELLUS
<b>14</b>	11/20/2015	10,189	10,311	40	MARCELLUS
<b>15</b>	11/20/2015	10,039	10,161	40	MARCELLUS
<b>16</b>	11/20/2015	9,889	10,006	40	MARCELLUS
<b>17</b>	11/20/2015	9,739	9,861	40	MARCELLUS
<b>18</b>	11/20/2015	9,589	9,711	40	MARCELLUS
<b>19</b>	11/20/2015	9,439	9,558	40	MARCELLUS
<b>20</b>	11/20/2015	9,289	9,411	40	MARCELLUS
<b>21</b>	11/21/2015	9,139	9,261	40	MARCELLUS
<b>22</b>	11/21/2015	8,989	9,111	40	MARCELLUS
<b>23</b>	11/21/2015	8,839	8,961	40	MARCELLUS
<b>24</b>	11/21/2015	8,689	8,811	40	MARCELLUS
<b>25</b>	11/21/2015	8,539	8,661	40	MARCELLUS
<b>26</b>	11/21/2015	8,389	8,511	40	MARCELLUS
<b>27</b>	11/22/2015	8,239	8,361	40	MARCELLUS
<b>28</b>	11/22/2015	8,089	8,211	40	MARCELLUS
<b>29</b>	11/22/2015	7,939	8,061	40	MARCELLUS
<b>30</b>	11/22/2015	7,789	7,911	40	MARCELLUS



# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/17/2015
Job End Date:	11/22/2015
State:	West Virginia
County:	Doddridge
API Number:	47-017-06722-00-00
Operator Name:	EQT Production
Well Name and Number:	515875
Longitude:	-80.77142300
Latitude:	39.27228200
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	6,675
Total Base Water Volume (gal):	7,828,380
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Keane Group	Carrier/Base Fluid	Water	7732-18-5	100.00000	89.35402	None
Sand (Proppant)	Keane Group	Proppant	Silica Substrate	14808-60-7	100.00000	10.27839	None
MC MX 437-5	Multi-Chem	Calcium nitrate solution	Calcium nitrate	10124-37-5	60.00000	0.05709	None
Hydrochloric Acid (15%)	Keane Group	Acidizing	Hydrochloric Acid	7647-01-0	15.00000	0.03030	None
FFR760	Keane Group	Friction Reducer	Hydrotreated Light Distillate	64742-47-8	30.00000	0.01363	None
			Alkyl Alcohol	Proprietary	10.00000	0.00454	None
			Oxyalkylated alcohol A	Proprietary	5.00000	0.00227	None
EC6330A	Keane Group	Scale Inhibitor	Sodium Phosphate, Tribasic	7601-54-9	5.00000	0.00122	None
			Ethylene Glycol	107-21-1	5.00000	0.00122	None
AI 600	Keane Group	Corrosion Inhibitor	Ethylene Glycol	107-21-1	40.00000	0.00020	None
			Dimethylformamide	68-12-2	20.00000	0.00010	None

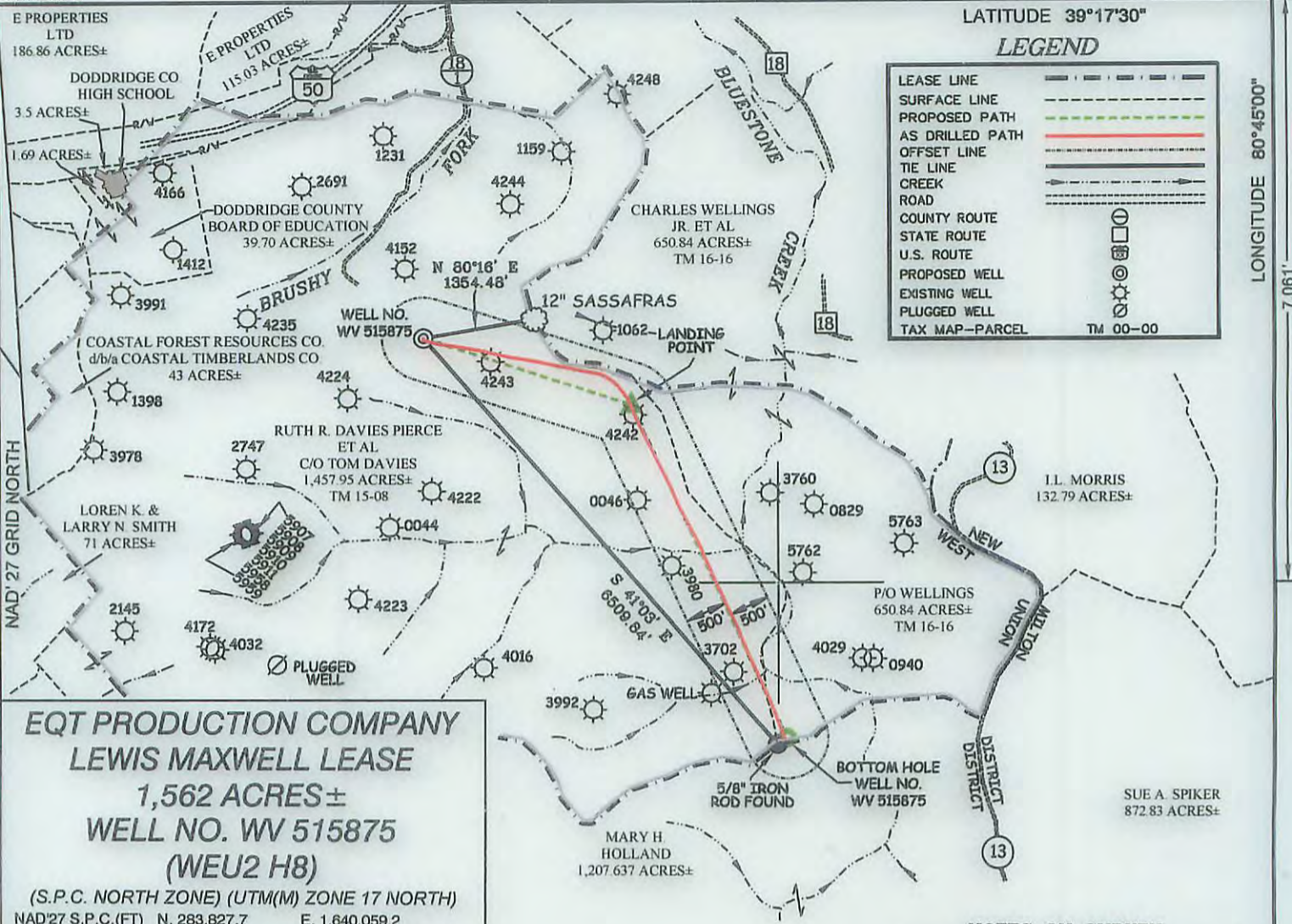
			Pyridine, alkyl derives, quaternized with benzyl chloride	68909-18-2	15.00000	0.00007	None
			Cinnamialdehyde	104-55-2	15.00000	0.00007	None
			1-Octanol	111-87-5	5.00000	0.00002	None
			2-Butoxyethanol	111-76-2	5.00000	0.00002	None
			Nonyl Phenol Ethoxylate, Branched	127087-87-0	5.00000	0.00002	None
			1-Decanol	112-30-1	5.00000	0.00002	None
			Triethyl Phosphate	78-40-0	2.50000	0.00001	None
			Methanol	67-56-1	2.50000	0.00001	None
			Alkyl Pyridine	68391-11-7	1.00000	0.00000	None

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

- \* Total Water Volume sources may include fresh water, produced water, and/or recycled water
- \*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

LEASE LINE	---
SURFACE LINE	----
PROPOSED PATH	----
AS DRILLED PATH	----
OFFSET LINE	----
TIE LINE	----
CREEK	----
ROAD	----
COUNTY ROUTE	○
STATE ROUTE	□
U.S. ROUTE	○
PROPOSED WELL	○
EXISTING WELL	○
PLUGGED WELL	○
TAX MAP--PARCEL	TM 00-00



**EQT PRODUCTION COMPANY  
LEWIS MAXWELL LEASE  
1,562 ACRES±  
WELL NO. WV 515875  
(WEU2 H8)**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
 NAD27 S.P.C.(FT) N. 283,827.7 E. 1,640,059.2  
 NAD27 GEO. LAT-(N) 39.272282 LONG-(W) 80.771423  
 NAD83 UTM (M) N. 4,347,026.9 E. 519,731.7  
**LANDING POINT**  
 NAD27 S.P.C.(FT) N. 283,028.2 E. 1,642,571.0  
 NAD27 GEO. LAT-(N) 39.270184 LONG-(W) 80.762512  
 NAD83 UTM (M) N. 4,346,796.1 E. 520,501.0  
**BOTTOM HOLE**  
 NAD27 S.P.C.(FT) N. 278,995.0 E. 1,644,451.7  
 NAD27 GEO. LAT-(N) 39.259184 LONG-(W) 80.755671  
 NAD83 UTM (M) N. 4,345,577.0 E. 521,094.4

**NOTES ON SURVEY**

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- AS DRILLED INFORMATION PROVIDED BY EQT.

**AS DRILLED COORDINATES  
FOR WELL NO. WV 515875**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
 NAD27 S.P.C.(FT) N. 283,827.7 E. 1,640,059.2  
 NAD27 GEO. LAT-(N) 39.272282 LONG-(W) 80.771423  
 NAD83 UTM (M) N. 4,347,026.9 E. 519,731.7  
**BOTTOM HOLE**  
 NAD27 S.P.C.(FT) N. 278,976.4 E. 1,644,431.0  
 NAD27 GEO. LAT-(N) 39.259132 LONG-(W) 80.755743  
 NAD83 UTM (M) N. 4,345,571.2 E. 521,088.2

**Professional Energy Consultants**  
 A DIVISION OF SMITH LAND SURVEYING, INC.  
  
 SURVEYORS  
 ENGINEERS  
 ENVIRONMENTAL  
 PROJECT MGMT.  
 (941) 482-5634 WWW.SLSURVEYS.COM

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.

P.S. *Earl N. Thompson*  
 2288



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE NOVEMBER 4, 20 14  
 REVISED 02/25/15, 04/17/15 & 11/16/15  
 OPERATORS WELL NO. WV 515875  
 API WELL NO. 47 - 017 - 06722H  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7245AD515875  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

**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 1,153'(PAD ELEVATION) WATERSHED BLUESTONE CREEK  
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER RUTH R. DAVIES PIERCE ET AL C/O TOM DAVIES ACREAGE 1,457.95±  
 ROYALTY OWNER MARY FARR SECRIST ET AL ACREAGE 1,562±

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 MARCELLUS  
 ESTIMATED DEPTH TVD 6,683'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

LONGITUDE 80°45'00" COUNTY NAME PERMIT

**03/04/2016**