

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

**APPROVED**  
DATE: 1/27/16  
Michael

Ar. 47-085-10136 County RITCHIE District UNION  
Quad OXFORD 7.5' Pad Name OXF163 Field/Pool Name \_\_\_\_\_  
Farm name HAROLD K. PIERCE Well Number 513760  
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 4,331,879 Easting 513,593  
Landing Point of Curve Northing 4,331,529 Easting 513,257  
Bottom Hole Northing 4,329,394 Easting 513,991

Elevation (ft) 1159 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 w/o Flowback  
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 9/22/2014 Date drilling commenced 12/3/2014 Date drilling ceased 7/15/2015  
Date completion activities began 9/22/2015 Date completion activities ceased 10/16/2015  
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  
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Freshwater depth(s) ft 176', 453', 517' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1156' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:  
WV 02/05/2016

API 47-085 - 10136 Farm name HAROLD K. PIERCE Well number 513760

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 78.7LB/FT	NONE	Y
Surface	17.5"	13.375"	1057'	NEW	J-55 54.5LB/FT	760'	Y
Coal							
Intermediate 1	12.375"	9.625"	3032'	NEW	A-500 40LB/FT	1812'	Y
Intermediate 2							
Intermediate 3							
Production	8.5"	5.5"	14804'	NEW	P-110 20LB/FT	NONE	N
Tubing							
Packer type and depth set							

Comment Details N/A

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	803	15.6	1.20	963.6	0	8
Coal							
Intermediate 1	CLASS A	1031	15.6	1.18	1218.5	0	8
Intermediate 2							
Intermediate 3							
Production	Class A / Class H	730/990	14.2 / 15.2	1.23 / 1.95	2828.4	3,020' MD	72
Tubing							

Drillers TD (ft) 14,819' MD Loggers TD (ft) N/A

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

Plug back procedure N/A

Kick off depth (ft) 4,655' MD

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- JOINTS: 1,11, 21  
 INTERMEDIATE- RAN AT LEAST EVERY 500' FEET  
 PRODUCTION- 258 Composite Centralizers. One on every joint from TD to 4,000 MD

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WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS

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WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS

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





API 47- 085 - 10136 Farm name HAROLD K. PIERCE Well number 513760

Drilling Contractor Savanna Drilling  
Address 2204 Timberloch Place Suite 230 City Woodlands State TX Zip 77380

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

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

Cementing Company C&J Energy Services  
Address 1650 Hackers Creek Rd City Jane Lew State WV Zip 26378

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Formation Name	Final Top MD (ftGL) (ft)	Final Top TVD (ft)	Final Btm MD (ftGL) (ft)	Final Btm TVD (ft)
FRESH WATER ZONE	0	0	520	520
SAND/SHALE	0	0	1,774	1,774
MAXTON	1,774	1,774	1,955	1,955
BIG LIME	1,955	1,955	2,244	2,244
WEIR	2,244	2,244	2,472	2,472
GANTZ	2,472	2,472	2,567	2,567
50F	2,567	2,567	2,653	2,653
30F	2,653	2,653	2,715	2,715
GORDON	2,715	2,715	2,803	2,803
4TH	2,803	2,803	2,959	2,959
BAYARD	2,959	2,959	3,299	3,298
WARREN	3,299	3,298	3,352	3,351
SPEECHLEY	3,352	3,351	3,846	3,845
BALLTOWN A	3,846	3,845	4,430	4,429
RILEY	4,430	4,429	4,767	4,766
BENSON	4,767	4,766	5,100	5,059
ALEXANDER	5,100	5,059	6,639	6,215
SONYEA	6,639	6,215	6,828	6,348
MIDDLESEX	6,828	6,348	6,902	6,395
GENESSEE	6,902	6,395	7,034	6,465
GENESEO	7,034	6,465	7,138	6,507
TULLY	7,138	6,507	7,174	6,518
HAMILTON	7,174	6,518	7,208	6,528
MARCELLUS	7,208	6,528	14,819	6,556

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**513760 - 47-085-10136-0000- 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>	8/25/2015	14,802.00	14,804.00	10	MARCELLUS
<b>1</b>	9/22/2015	14,657.00	14,749.00	32	MARCELLUS
<b>2</b>	9/23/2015	14,507.00	14,629.00	40	MARCELLUS
<b>3</b>	9/23/2015	14,357.00	14,479.00	40	MARCELLUS
<b>4</b>	9/23/2015	14,207.00	14,329.00	40	MARCELLUS
<b>5</b>	9/23/2015	14,057.00	14,174.00	40	MARCELLUS
<b>6</b>	9/24/2015	13,907.00	14,029.00	40	MARCELLUS
<b>7</b>	9/24/2015	13,759.00	13,879.00	40	MARCELLUS
<b>8</b>	9/24/2015	13,607.00	13,729.00	40	MARCELLUS
<b>9</b>	9/24/2015	13,457.00	13,579.00	40	MARCELLUS
<b>10</b>	9/25/2015	13,307.00	13,429.00	40	MARCELLUS
<b>11</b>	9/25/2015	13,157.00	13,279.00	40	MARCELLUS
<b>12</b>	9/25/2015	13,010.00	13,127.00	40	MARCELLUS
<b>13</b>	9/25/2015	12,857.00	12,977.00	40	MARCELLUS
<b>14</b>	9/26/2015	12,707.00	12,827.00	40	MARCELLUS
<b>15</b>	9/26/2015	12,557.00	12,679.00	40	MARCELLUS
<b>16</b>	9/26/2015	12,407.00	12,529.00	40	MARCELLUS
<b>17</b>	9/26/2015	12,257.00	12,377.00	40	MARCELLUS
<b>18</b>	9/27/2015	12,107.00	12,229.00	40	MARCELLUS
<b>19</b>	9/27/2015	11,957.00	12,079.00	40	MARCELLUS
<b>20</b>	9/27/2015	11,807.00	11,929.00	40	MARCELLUS
<b>21</b>	9/27/2015	11,657.00	11,773.00	40	MARCELLUS
<b>22</b>	9/28/2015	11,510.00	11,624.00	40	MARCELLUS
<b>23</b>	9/28/2015	11,357.00	11,477.00	40	MARCELLUS
<b>24</b>	9/28/2015	11,207.00	11,329.00	40	MARCELLUS
<b>25</b>	9/28/2015	11,057.00	11,179.00	40	MARCELLUS
<b>26</b>	9/28/2015	10,907.00	11,029.00	40	MARCELLUS
<b>27</b>	9/28/2015	10,757.00	10,879.00	40	MARCELLUS
<b>28</b>	9/29/2015	10,607.00	10,729.00	40	MARCELLUS
<b>29</b>	9/29/2015	10,455.00	10,579.00	40	MARCELLUS
<b>30</b>	9/29/2015	10,307.00	10,429.00	40	MARCELLUS
<b>31</b>	9/29/2015	10,157.00	10,279.00	40	MARCELLUS
<b>32</b>	9/30/2015	10,007.00	10,129.00	40	MARCELLUS
<b>33</b>	9/30/2015	9,857.00	9,979.00	40	MARCELLUS
<b>34</b>	9/30/2015	9,707.00	9,829.00	40	MARCELLUS
<b>35</b>	9/30/2015	9,557.00	9,679.00	40	MARCELLUS
<b>36</b>	9/30/2015	9,407.00	9,529.00	40	MARCELLUS
<b>37</b>	10/1/2015	9,257.00	9,377.00	40	MARCELLUS
<b>38</b>	10/1/2015	9,109.00	9,229.00	40	MARCELLUS
<b>39</b>	10/1/2015	8,957.00	9,079.00	40	MARCELLUS
<b>40</b>	10/1/2015	8,807.00	8,925.00	40	MARCELLUS
<b>41</b>	10/2/2015	8,657.00	8,777.00	40	MARCELLUS
<b>42</b>	10/15/2015	8,507.00	8,629.00	40	MARCELLUS
<b>43</b>	10/15/2015	8,357.00	8,479.00	40	MARCELLUS
<b>44</b>	10/15/2015	8,207.00	8,329.00	40	MARCELLUS
<b>45</b>	10/15/2015	8,057.00	8,179.00	40	MARCELLUS
<b>46</b>	10/15/2015	7,907.00	8,027.00	40	MARCELLUS
<b>47</b>	10/15/2015	7,757.00	7,877.00	40	MARCELLUS
<b>48</b>	10/16/2015	7,607.00	7,729.00	40	MARCELLUS
<b>49</b>	10/16/2015	7,457.00	7,579.00	40	MARCELLUS
<b>50</b>	10/16/2015	7,305.00	7,429.00	40	MARCELLUS

**513760 - 47-085-10136-0000- Stimulated Stages**

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)
Inflation Sleeve	9/12/2015	14.3	7,329.00	8,012.00	4,201.00	0	803	0
1	9/22/2015	91.8	8,578.00	8,852.00	3,268.00	252,820	7131	0
2	9/23/2015	100.4	8,419.00	8,730.00	3,448.00	251,380	6725	0
3	9/23/2015	100.2	8,484.00	8,744.00	3,460.00	250,500	6556	0
4	9/23/2015	97.4	8,439.00	8,601.00	3,532.00	250,240	6406	0
5	9/23/2015	100.4	8,537.00	8,687.00	4,147.00	250,220	6704	0
6	9/24/2015	87.7	8,563.00	8,897.00	3,712.00	250,910	8119	0
7	9/24/2015	99.2	8,549.00	8,768.00	3,834.00	250,660	6149	0
8	9/24/2015	101.3	8,648.00	8,858.00	4,093.00	248,920	6148	0
9	9/24/2015	98.2	8,648.00	9,002.00	4,152.00	252,530	6609	0
10	9/25/2015	100.6	8,600.00	8,718.00	3,978.00	251,330	6705	0
11	9/25/2015	100.6	8,300.00	8,546.00	3,863.00	251,980	6238	0
12	9/25/2015	100.9	8,497.00	8,724.00	4,406.00	251,040	6032	0
13	9/25/2015	101.5	8,615.00	8,766.00	4,607.00	251,460	7940	0
14	9/26/2015	101	8,435.00	8,611.00	4,514.00	249,860	6218	0
15	9/26/2015	99.6	8,621.00	9,074.00	3,944.00	247,078	6242	0
16	9/26/2015	100.8	8,481.00	8,608.00	4,165.00	254,800	6724	0
17	9/27/2015	99.9	8,418.00	8,711.00	4,550.00	250,760	6488	0
18	9/27/2015	100.8	8,199.00	8,954.00	4,748.00	254,520	6178	0
19	9/27/2015	100.8	8,186.00	8,498.00	4,034.00	251,660	6080	0
20	9/27/2015	100.8	8,360.00	8,521.00	4,616.00	251,305	6177	0
21	9/27/2015	101.10	8,175.00	8,360.00	4,665	249,890	6,275	0
22	9/28/2015	100.40	7,695.00	8,170.00	4,283	253,920	6,377	0
23	9/28/2015	102.20	8,051.00	8,312.00	4,027	249,820	5,955	0
24	9/28/2015	101.90	7,811.00	7,979.00	4,039	250,540	5,777	0
25	9/28/2015	100.00	8,299.00	8,504.00	3,882	251,670	5,937	0
26	9/28/2015	100.20	7,773.00	7,905.00	3,814	251,078	5,876	0
27	9/29/2015	100.30	7,977.00	8,373.00	3,780	251,228	5,824	0
28	9/29/2015	100.8	7,948.00	8,110.00	3,834.00	252,480	6003	0
29	9/29/2015	100.8	7,824.00	7,937.00	3,696.00	250,400	5921	0
30	9/29/2015	100.4	7,916.00	8,126.00	3,761.00	249,400	5883	0
31	9/29/2015	100.9	7,820.00	7,993.00	3,958.00	250,379	5980	0
32	9/30/2015	100.00	8,100.00	8,345.00	3,653	250,823	6,352	0
33	9/30/2015	102.30	7,660.00	7,970.00	3,726	249,545	6,066	0
34	9/30/2015	101.60	7,668.00	7,880.00	3,572	256,530	6,042	0
35	9/30/2015	100.30	7,834.00	8,206.00	3,679	253,240	6,134	0
36	9/30/2015	100.40	7,406.00	7,556.00	3,749	251,668	6,020	0
37	10/1/2015	100.50	7,505.00	7,692.00	3,678	251,593	5,871	0
38	10/1/2015	102.80	7,463.00	7,923.00	3,738	250,065	5,790	0
39	10/1/2015	102.50	7,665.00	8,118.00	3,645	251,100	5,748	0
40	10/2/2015	100.30	7,431.00	7,617.00	3,883	252,120	5,707	0
41	10/2/2015	101.20	7,365.00	7,775.00	3,803	250,656	5,778	0
42	10/15/2015	100.50	7,370.00	7,524.00	3,865	251,020	5,729	0
43	10/15/2015	100.70	7,395.00	7,607.00	4,493	250,766	5,675	0
44	10/15/2015	100.70	7,534.00	7,740.00	4,186	245,300	5,510	0
45	10/15/2015	100.70	7,445.00	7,768.00	4,006	252,060	5,524	0
46	10/15/2015	100.80	7,320.00	8,072.00	4,316	249,300	5,669	0
47	10/15/2015	101.20	7,380.00	7,507.00	3,717	249,850	5,691	0
48	10/16/2015	101.50	7,404.00	7,554.00	3,867	250,085	5,880	0
49	10/16/2015	100.90	7,278.00	7,541.00	3,774	252,540	5,790	0
50	10/16/2015	98.70	7,733.00	8,093.00	3,821	252,425	5,549	0

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/22/2015
Job End Date:	10/16/2015
State:	West Virginia
County:	Ritchie
API Number:	47-085-10136-00-00
Operator Name:	EQT Production
Well Name and Number:	513760
Longitude:	-80.84288900
Latitude:	39.13590300
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	6,528
Total Base Water Volume (gal):	12,965,610
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	89.25238	None
Sand (Proppant)	Keane Group	Proppant	Silica Substrate	14808-60-7	100.00000	10.35698	None
MC MX 437-5	Multi-Chem	Calcium nitrate solution	Calcium nitrate	10124-37-5	60.00000	0.05744	None
Hydrochloric Acid (15%)	Keane Group	Acidizing	Hydrochloric Acid	7647-01-0	15.00000	0.03070	None
FFR760	Keane Group	Friction Reducer	Hydrotreated Light Distillate	64742-47-8	30.00000	0.01941	None
			Alkyl Alcohol	Proprietary	10.00000	0.00647	None
			Oxyalkylated alcohol A	Proprietary	5.00000	0.00323	None
EC6330A	Keane Group	Scale Inhibitor	Ethylene Glycol	107-21-1	5.00000	0.00125	None
			Sodium Phosphate, Tribasic	7601-54-9	5.00000	0.00125	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

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		Cinnamialdehyde	104-55-2	15.00000	0.00008	None
		Pyridine, alkyl derives, quaternized with benzyl chloride	68909-18-2	15.00000	0.00008	None
		2-Butoxyethanol	111-76-2	5.00000	0.00003	None
		1-Decanol	112-30-1	5.00000	0.00003	None
		Nonyl Phenol Ethoxylate, Branched	127087-87-0	5.00000	0.00003	None
		1-Octanol	111-87-5	5.00000	0.00003	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	0.00001	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)

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ROYALTY OWNERS		
B.M. PIERCE ET UX	84.50 AC.±	LEASE NO. 118210
CRAIG H. WILLIAMS	243.83 AC.±	LEASE NO. 987447
J.P. SMITH ET UX	130 AC.±	LEASE NO. 107857
DONALD SHEETS ET AL	82.10 AC.±	LEASE NO. 988339

NOTES ON SURVEY

1. 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.
2. AS DRILLED INFORMATION PROVIDED BY EQT.
3. NONPRODUCTIVE SUBSURFACE RIGHT OF WAY

**EQT PRODUCTION COMPANY  
J.E. PIERCE ET AL LEASE  
108 (98.73±) ACRES±  
WELL NO. WV 513760  
(OXF163 H5)**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

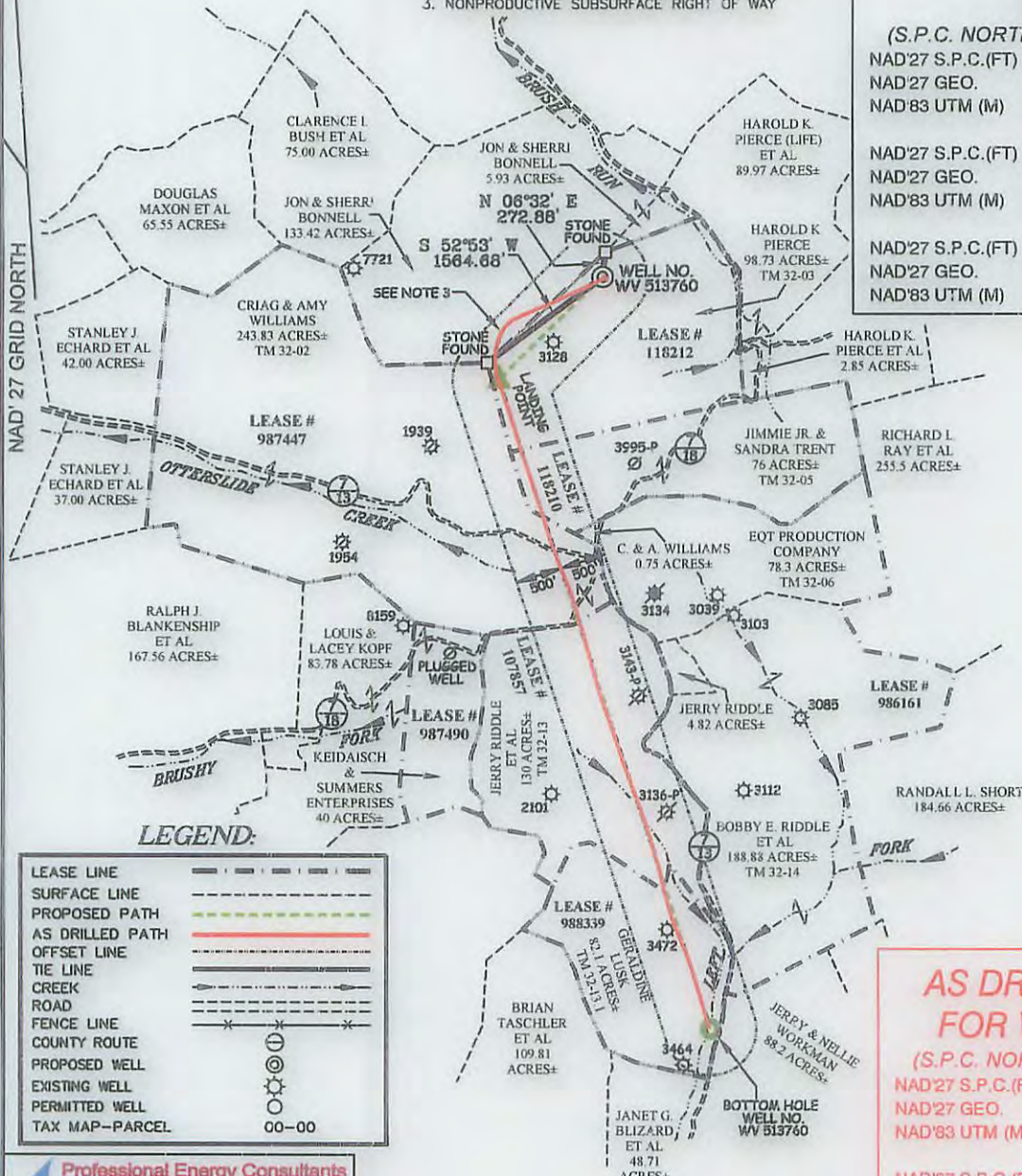
NAD'27 S.P.C.(FT)	N. 234,456.0	E. 1,619,086.0
NAD'27 GEO.	LAT-(N) 39.135903	LONG-(W) 80.842890
NAD'83 UTM (M)	N. 4,331,879.3	E. 513,593.3

**LANDING POINT**

NAD'27 S.P.C.(FT)	N. 233,325.0	E. 1,617,963.9
NAD'27 GEO.	LAT-(N) 39.132752	LONG-(W) 80.846785
NAD'83 UTM (M)	N. 4,331,529.0	E. 513,257.2

**BOTTOM HOLE**

NAD'27 S.P.C.(FT)	N. 226,277.6	E. 1,620,253.7
NAD'27 GEO.	LAT-(N) 39.113498	LONG-(W) 80.838344
NAD'83 UTM (M)	N. 4,329,393.8	E. 513,990.6



LEGEND:

LEASE LINE	---
SURFACE LINE	----
PROPOSED PATH	---
AS DRILLED PATH	---
OFFSET LINE	---
TIE LINE	---
CREEK	---
ROAD	---
FENCE LINE	---
COUNTY ROUTE	---
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP-PARCEL	00-00

**AS DRILLED COORDINATES  
FOR WELL NO. WV 513760**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT)	N. 234,456.0	E. 1,619,086.0
NAD'27 GEO.	LAT-(N) 39.135903	LONG-(W) 80.842890
NAD'83 UTM (M)	N. 4,331,879.3	E. 513,593.3

**BOTTOM HOLE**

NAD'27 S.P.C.(FT)	N. 226,276.0	E. 1,620,240.6
NAD'27 GEO.	LAT-(N) 39.113499	LONG-(W) 80.838390
NAD'83 UTM (M)	N. 4,329,393.8	E. 513,988.7

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

DATE JUNE 3, 20 14

REVISED 08/22/14, 10/27/14, 10/31/14, 02/04/15, 05/19/15 & 12/03/15

OPERATORS WELL NO. WV 513760

API WELL NO. 47 - 085 - 10136H  
STATE COUNTY PERMIT



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



MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7698AD513760  
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 1,174'(GROUND)/1,158.5'(PROPOSED) WATERSHED BRUSH RUN OF MIDDLE FORK

DISTRICT UNION COUNTY RITCHIE QUADRANGLE OXFORD 7.5'

SURFACE OWNER HAROLD K. PIERCE ACREAGE 98.73±

ROYALTY OWNER J.E. PIERCE ET AL ACREAGE 108± (98.73±)

PROPOSED WORK: LEASE NO. 118212

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 6495'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280

BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

02/05/2016