

Well Operator's Report of Well Work



Where energy meets innovation.

Well Number: 513346

API: 47 - 017 - 06324

Submission: Initial Amended

Notes: Re-Perforated stages 19 (19.1), 20 (20.1), 25 (25.1), 30 (30.1), 32 (32.1), 34 (34.1), 35 (35.1), 42 (42.1), and 43 (43.1)

Perforated additional injection tests prior to stages 10, 34.1, and 35.1

Combined stages: [20, 20.1, 21] - [32, 32.1, 33] - [35, 35.1, 36] - [42, 42.1, 43, 43.1]

Correction to Production Cement Top (MD)

Correction to Production Casing Set Depth (MD)

RECEIVED
Office of Oil and Gas

FEB 02 2016

WV Department of
Environmental Protection

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

API 47-017-06324 County Doddridge District West Union
Quad West Union 7.5' Pad Name WEU6 Field/Pool Name _____
Farm name Butler, Franklin & Key Oil Well Number 513346
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 4349025.208 N Easting 521243.982 E
Landing Point of Curve Northing 4348856.181 N Easting 521291.043 E
Bottom Hole Northing 4347066.156 N Easting 521816.533 E

Elevation (ft) 1260 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 12.7 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 11/14/2013 Date drilling commenced 04/15/2014 Date drilling ceased 05/14/2014
Date completion activities began 8/11/2014 Date completion activities ceased 9/14/2014
Verbal plugging (Y/N) n/a 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 1034' Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N
Coal depth(s) ft 194' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by: _____

API 47-017 - 06324

Farm name Butler, Franklin & Key Oil

Well number 513346

Amended 1/2016

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	82.6#/ft	n/a	Y
Surface	17-1/2"	13-3/8"	1127'	New	54.5#/ft	73', 276'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	5433'	New	40#/ft	1621', 1230'	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	13,652'	New	20#/ft	N/A	N
Tubing							
Packer type and depth set							

Comment Details NA

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	38	15.6	1.18	44.84	0	8
Surface	Class A	895	15.6	1.19	1065	0	8
Coal							
Intermediate 1	Class A/Class A/Class A	525/310/965	14.2/15.6/15.6	1.28/1.18/1.18	2176.5	0	8
Intermediate 2							
Intermediate 3							
Production	Class A/Class H	330/845	14.2/15.2	1.26/1.97	2080.45	4,650	72
Tubing							

Drillers TD (ft) 13685'

Loggers TD (ft) 7,021'

Deepest formation penetrated Marcellus

Plug back to (ft) 5,351'

Plug back procedure Air dropped Plugs @ 7,021 ftMD @ 5,351 ftMD. Plug @ 7,021 ftMD @ 6,345 ftMD w/ 39 bbl/195 sks Class A 14.2 1.28 yield cement. POOH @ 5,782 ftMD and pumped 39 bbl/195 sks Class A 14.2 ppg 1.28 yield cement. POOH @ 5,188' and pumped 39 bbl/250 sks Class A Cement 16.0 ppg, 1.12 yield.

Kick off depth (ft) 5,500'

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-N/A

Surface-bow spring centralizers set at 1040', 633', 276', 73'
Intermediate-bow spring centralizers set at 5389', 4873', 4356', 3842', 3366', 2305', 1621', 1231',
Production-composite centralizer ran on every joint from 1d up to 4500'

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

API 47- 017 - 06324 Farm name Butler, Franklin & Key, Oil Well number 513346

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>6,967</u>	<u>TVD</u>	<u>7,084</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2,088 psi Bottom Hole NA psi DURATION OF TEST 55.5 hrs

OPEN FLOW Gas 10,401 mcfpd Oil 0 bpd NGL 48 bpd Water 792 bpd GAS MEASURED BY Estimated Orifice Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	
	<u>0</u>		<u>0</u>		

Please insert additional pages as applicable.

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

Cementing Company Nabors
Address 380 Southpointe Blvd Suite 210 City Canonsburg State PA Zip 15317

Stimulating Company Stingray Pressure Pumping, LLC
Address 66680 Executive Drive City St. Clairsville State OH Zip 43950

Please insert additional pages as applicable.

Completed by Brad Maddox Telephone 412-395-7053
Signature *Brad Maddox* Title Director of Drilling Date 1/20/2016

513346 Final Formations API #47-01706324

Formation Name	Final Top MD (ftGL) (ft)	Final Top TVD (ft)	Final Btm MD (ftGL) (ft)	Final Btm TVD (ft)
FRESH WATER ZONE	1	1	1034	1034
SAND / SHALE	1	1	191	191
COAL	191	191	194	194
SAND / SHALE	194	194	1526	1526
BIG LIME	1526	1526	1586	1586
SAND / SHALE	1586	1586	1610	1610
BIG INJUN	1610	1610	1680	1680
SAND / SHALE	1680	1680	1831	1831
WEIR	1831	1831	1926	1926
SAND / SHALE	1926	1926	2307	2307
BEREA	2307	2307	2575	2575
GANTZ	2575	2575	2665	2665
50F	2665	2665	2763	2763
30F	2763	2763	2830	2830
GORDON	2830	2830	2899	2899
4TH	2899	2899	3051	3051
5TH	3051	3051	3441	3441
WARREN	3441	3441	3507	3507
SPEECHLEY	3507	3507	4371	4371
BRADFORD	4371	4371	4659	4659
RILEY	4659	4659	5116	5116
BENSON	5116	5116	5362	5362
ALEXANDER	5362	5362	6484	6484
RHINESTREET	6484	6484	6576	6576
SONYEA	6576	6576	6730	6730
MIDDLESEX	6730	6730	6801	6800
GENESSEE	6801	6800	6904	6874
GENESE0	6904	6874	6967	6911
TULLY	6967	6911	7015	6937
HAMILTON	7015	6937	7084	6967
MARCELLUS	7084	6967	13685	6960

513346 - 47-017-06324-0000 - Perforations

Stage Number	Perforation Date	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Number of Shots	Formation
Initiation Sleeve	8/11/2014	13,658.00	13,660.00	10	MARCELLUS
1	8/12/2014	13,537.00	13,627.00	32	MARCELLUS
2	8/14/2014	13,391.00	13,507.00	40	MARCELLUS
3	8/14/2014	13,237.00	13,357.00	40	MARCELLUS
4	8/14/2014	13,087.00	13,203.00	40	MARCELLUS
5	8/15/2014	12,937.00	13,055.00	40	MARCELLUS
6	8/15/2014	12,787.00	12,907.00	40	MARCELLUS
7	8/15/2014	12,637.00	12,757.00	40	MARCELLUS
8	8/16/2014	12,487.00	12,607.00	40	MARCELLUS
9	8/16/2014	12,337.00	12,452.00	40	MARCELLUS
10	8/16/2014	12,187.00	12,307.00	40	MARCELLUS
11	8/16/2014	12,037.00	12,157.00	40	MARCELLUS
12	8/17/2014	11,887.00	12,007.00	40	MARCELLUS
13	8/17/2014	11,737.00	11,857.00	40	MARCELLUS
14	8/17/2014	11,587.00	11,707.00	40	MARCELLUS
15	8/17/2014	11,437.00	11,555.00	40	MARCELLUS
16	8/17/2014	11,287.00	11,407.00	40	MARCELLUS
17	8/18/2014	11,137.00	11,257.00	40	MARCELLUS
18	8/18/2014	10,987.00	11,107.00	40	MARCELLUS
19	8/18/2014	10,837.00	10,957.00	40	MARCELLUS
19.1 (Re-Perf)	8/18/2014	10,837.00	10,957.00	32	MARCELLUS
20	8/19/2014	10,687.00	10,803.00	40	MARCELLUS
20.1 (Re-Perf)	8/19/2014	10,667.00	10,715.00	32	MARCELLUS
21	8/20/2014	10,537.00	10,657.00	40	MARCELLUS
22	8/20/2014	10,387.00	10,505.00	40	MARCELLUS
23	8/20/2014	10,237.00	10,373.00	40	MARCELLUS
24	8/20/2014	10,087.00	10,207.00	40	MARCELLUS
25	8/20/2014	9,952.00	10,057.00	40	MARCELLUS
25.1 (Re-Perf)	8/21/2014	9,940.00	10,020.00	32	MARCELLUS
26	8/21/2014	9,787.00	9,907.00	40	MARCELLUS
27	8/21/2014	9,637.00	9,755.00	40	MARCELLUS
28	8/21/2014	9,487.00	9,607.00	40	MARCELLUS
29	8/22/2014	9,337.00	9,457.00	40	MARCELLUS
30	8/22/2014	9,187.00	9,307.00	40	MARCELLUS
30.1 (Re-Perf)	8/22/2014	9,200.00	9,290.00	32	MARCELLUS
31	8/22/2014	9,037.00	9,157.00	40	MARCELLUS
32	8/23/2014	8,879.00	9,007.00	40	MARCELLUS
32.1 (Re-Perf)	9/9/2014	8,897.00	8,999.00	32	MARCELLUS
33	9/10/2014	8,737.00	8,859.00	40	MARCELLUS
34	9/10/2014	8,587.00	8,709.00	40	MARCELLUS
34.1 (Re-Perf)	9/11/2014	8,596.00	8,717.00	32	MARCELLUS
35	9/12/2014	8,442.00	8,559.00	40	MARCELLUS
35.1 (Re-Perf)	9/12/2014	8,432.00	8,454.00	16	MARCELLUS
36	9/12/2014	8,409.00	8,287.00	40	MARCELLUS
37	9/12/2014	8,137.00	8,257.00	40	MARCELLUS
38	9/13/2014	7,987.00	8,109.00	40	MARCELLUS
39	9/13/2014	7,837.00	7,959.00	40	MARCELLUS
40	9/13/2014	7,693.00	7,809.00	40	MARCELLUS
41	9/13/2014	7,537.00	7,659.00	40	MARCELLUS
42	9/13/2014	7,387.00	7,507.00	40	MARCELLUS
42.1 (Re-Perf)	9/14/2014	7,401.00	7,433.50	16	MARCELLUS
43	9/14/2014	7,237.00	7,359.00	40	MARCELLUS
43.1 (Re-Perf)	9/14/2014	7,207.00	7,229.00	24	MARCELLUS
44	9/14/2014	7,177.00	7,055.00	40	MARCELLUS

513346 - 47-017-06324-0000 - 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)
Initiation Sleeve	8/11/2014	20.70	7,174.00	9,351.00	5,236	0	1,876	0
1	8/13/2014	85.10	8,826.00	9,449.00	4,824	196,543	10,846	0
2	8/14/2014	101.10	7,982.00	8,247.00	4,448	199,940	5,844	0
3	8/14/2014	100.40	8,383.00	9,031.00	4,354	193,307	5,910	0
4	8/14/2014	99.80	8,540.00	9,003.00	4,337	198,430	5,345	0
5	8/15/2014	98.70	8,873.00	9,261.00	4,765	198,880	5,660	0
6	8/15/2014	75.60	8,415.00	9,675.00	5,151	197,660	7,516	0
7	8/15/2014	97.70	8,561.00	9,139.00	4,678	198,882	5,718	0
8	8/16/2014	99.80	8,858.00	9,240.00	5,106	199,610	5,678	0
9	8/16/2014	86.50	8,531.00	10,156.00	8,817	201,562	5,315	0
Injection Test	8/16/2014	18.20	6,205.00	NA	5,232	0	2,420	0
10	8/16/2014	96.60	8,612.00	8,975.00	5,097	198,450	6,998	0
11	8/16/2014	99.10	8,601.00	9,169.00	5,227	198,680	5,776	0
12	8/17/2014	99.40	8,428.00	9,139.00	4,314	198,880	5,341	0
13	8/17/2014	102.50	8,303.00	8,677.00	5,034	197,900	5,619	0
14	8/17/2014	96.90	8,791.00	9,308.00	4,595	199,560	5,617	0
15	8/17/2014	89.90	8,864.00	9,033.00	4,763	198,500	6,613	0
16	8/18/2014	100.60	8,260.00	8,752.00	5,265	198,350	4,648	0
17	8/18/2014	97.50	8,454.00	9,347.00	4,420	199,960	7,218	0
18	8/18/2014	99.40	8,123.00	8,941.00	4,853	202,970	5,341	0
19	8/18/2014	87.50	8,861.00	9,536.00	5,965	6,500	1,728	0
19.1 (Re-Perf)	8/18/2014	95.20	8,410.00	9,177.00	5,140	200,466	4,237	0
20	8/19/2014	93.10	9,057.00	9,521.00	4,998	12,665	4,199	0
20.1 (Re-Perf)	8/19/2014	78.10	9,153.00	9,607.00	4,998	32,500	4,354	0
21	8/20/2014	100.30	8,067.00	8,381.00	4,224	400,480	9,387	0
22	8/20/2014	96.90	8,165.00	8,872.00	4,554	200,760	5,825	0
23	8/20/2014	100.30	7,992.00	8,721.00	5,210	200,747	5,209	0
24	8/20/2014	100.10	8,010.00	8,340.00	4,529	200,900	5,397	0
25	8/20/2014	87.00	9,165.00	9,312.00	4,899	6,500	4,350	0
25.1 (Re-Perf)	8/21/2014	65.80	8,159.00	9,421.00	4,700	199,200	6,806	0
26	8/21/2014	63.60	8,038.00	9,524.00	4,633	201,590	8,010	0
27	8/21/2014	99.80	8,080.00	9,392.00	5,203	200,790	5,095	0
28	8/21/2014	101.20	7,880.00	9,287.00	5,168	200,765	5,162	0
29	8/22/2014	100.00	7,822.00	8,381.00	5,117	200,805	5,055	0
30	8/22/2014	50.80	8,415.00	9,600.00	5,207	9,120	3,996	0
30.1 (Re-Perf)	8/22/2014	79.70	7,944.00	9,054.00	5,129	200,740	8,595	0
31	8/22/2014	90.70	8,036.00	9,347.00	4,628	201,033	5,234	0
32	8/23/2014	81.20	8,958.00	9,420.00	6,528	8,000	1,576	0
32.1 (Re-Perf)	9/9/2014	71.90	8,921.00	9,270.00	5,698	9,000	1,584	0
33	9/10/2014	100.40	7,761.00	8,748.00	4,915	399,540	8,239	0
34	9/10/2014	79.50	8,983.00	9,441.00	6,692	7,209	1,373	0
Injection Test	9/11/2014	8.80	4,511.00	6,536.00	5,208	0	2,184	0
34.1 (Re-Perf)	9/11/2014	100.20	7,508.00	9,848.00	5,009	200,340	6,370	0
35	9/12/2014	34.20	8,173.00	9,752.00	5,500	3,859	1,817	0
Injection Test	9/12/2014	13.30	6,843.00	8,132.00	4,710	0	3,084	0
35.1 (Re-Perf)	9/12/2014	64.00	8,142.00	8,769.00	5,500	7,484	3,291	0
36	9/12/2014	92.00	7,301.00	7,696.00	4,254	400,720	9,745	0
37	9/13/2014	89.80	7,481.00	8,365.00	5,183	200,840	6,363	0
38	9/13/2014	91.70	7,158.00	7,589.00	5,114	200,905	5,997	0
39	9/13/2014	96.90	7,628.00	7,975.00	5,185	201,300	4,913	0
40	9/13/2014	98.30	7,670.00	8,016.00	5,130	202,540	4,846	0
41	9/13/2014	95.60	7,754.00	8,117.00	5,334	200,440	5,084	0
42	9/13/2014	66.00	7,981.00	9,227.00	5,006	3,000	3,462	0
42.1 (Re-Perf)	9/14/2014	63.50	8,733.00	9,132.00	5,008	3,000	2,879	0
43	9/14/2014	76.60	7,724.00	9,225.00	4,320	250,420	8,108	0
43.1 (Re-Perf)	9/14/2014	90.50	7,864.00	9,142.00	4,320	150,706	4,555	0
44	9/14/2014	94.00	7,425.00	7,564.00	3,594	202,800	5,086	0

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/11/2014
Job End Date:	9/14/2014
State:	West Virginia
County:	Doddridge
API Number:	47-017-06324-00-00
Operator Name:	EQT Production
Well Name and Number:	WEU6 - 513346
Longitude:	-80.75382900
Latitude:	39.29025200
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	6,920
Total Base Water Volume (gal):	12,394,725
Total Base Non Water Volume:	481,381



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	Stingray	Carrier	Water	7732-18-5	100.00000	91.46835	
Sand	Stingray	Proppant	Crystalline Silica	14808-60-7	100.00000	7.84432	
Hydrochloric Acid 15%	Stingray	Acidizing	Hydrochloric Acid	7647-01-0	15.00000	0.06710	
FRA-405	Stingray	Friction Reducer	Petroleum Distillates	64742-47-8	40.00000	0.03577	
			Sodium Chloride	7647-14-5	10.00000	0.00894	
			Alcohols, C12-16, Ethoxylated	68551-12-2	7.00000	0.00626	
			Ammonium Chloride	12125-02-9	7.00000	0.00626	
MX-5	Halliburton	Biocide	Sodium Nitrate	7631-99-4	60.00000	0.05600	
Polyfrac PTL Plus M-4.0	Stingray	Gel	Petroleum Distillates	64742-47-8	55.00000	0.01200	
			Guar Gum	9000-30-0	50.00000	0.01091	
			Clay	Proprietary	5.00000	0.00109	
Scale Clear 112	Stingray	Scale Inhibitor	Non Hazardous	NA	100.00000	0.02349	

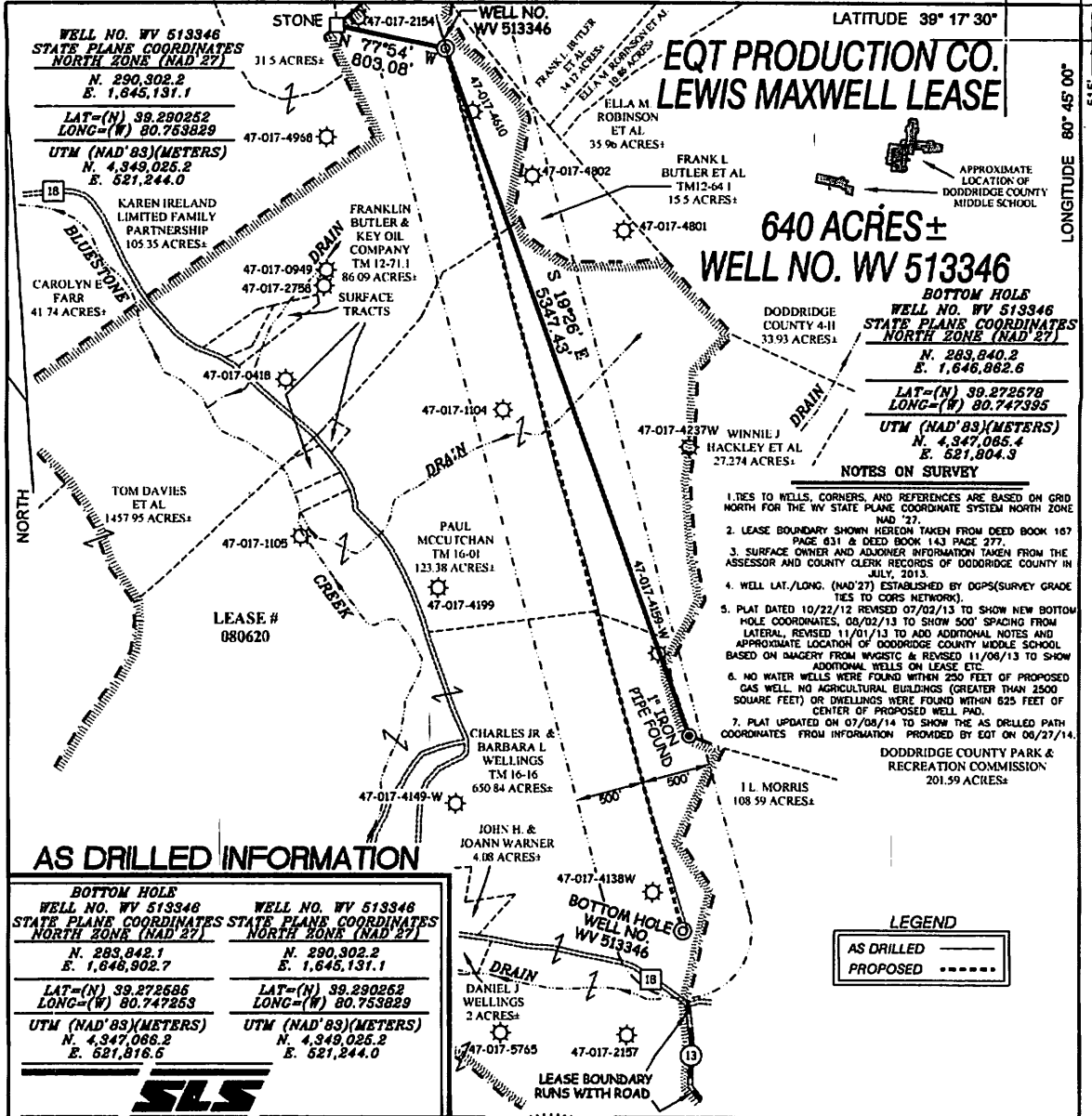
MX-8	Halliburton	Biocide				
			Bacteria Culture	N/A	100.00000	0.00987
TCA-6038	Stingray	Corrosion Inhibitor				
			Methanol	67-56-1	20.00000	0.00033
Breaker 3L	Stingray	Gel Breaker				
			Sodium Chloride	7647-14-5	40.00000	0.00017
			Sodium Chlorite	7758-19-2	5.00000	0.00004
			Potassium Chloride	7447-40-7	10.00000	0.00004
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)



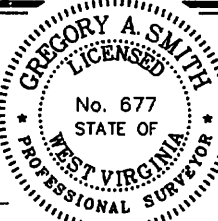
AS DRILLED INFORMATION

BOTTOM HOLE	
WELL NO. WV 513346	WELL NO. WV 513346
STATE PLANE COORDINATES NORTH ZONE (NAD 27)	STATE PLANE COORDINATES NORTH ZONE (NAD 27)
N. 283,842.1 E. 1,648,902.7	N. 290,302.2 E. 1,645,131.1
LAT=(N) 39.272585 LONG=(W) 80.747253	LAT=(N) 39.290252 LONG=(W) 80.753829
UTM (NAD'83)(METERS) N. 4,347,066.2 E. 521,816.5	UTM (NAD'83)(METERS) N. 4,349,025.2 E. 521,244.0



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. 677



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

DATE NOVEMBER 6 , 20 13

REVISED DATE JULY 08 , 20 14

OPERATORS WELL NO. WV 513346

API WELL NO. 47 - - -
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7831ASDRILLED513346
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIES TO CORS NETWORK) 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 1,268 (GROUND) 1,281 (PROPOSED) WATERSHED BLUESTONE CREEK & MIDDLE ISLAND CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER FRANKLIN BUTLER & KEY OIL COMPANY ACREAGE 86.09±

ROYALTY OWNER LEWIS MAXWELL HEIRS ACREAGE 640±

PROPOSED WORK: LEASE NO. 080620

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 _____

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

COUNTY NAME
PERMIT