

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

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API 47-085-10236 County RITCHIE District UNION  
Quad OXFFORD 7.5' Pad Name OXF122 Field/Pool Name N/A  
Farm name RICHARD L. & SHERYL A. RAY Well Number 512428  
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 N. 4,331,475.36 Easting E. 514,613.39  
Landing Point of Curve Northing N. 4,331,954.13 Easting E. 515,036.15  
Bottom Hole Northing N. 4,329,552.33 Easting E. 516,005.94

Elevation (ft) 1111' 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 12.3 ppg & Synthetic Base Mud 12.3 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 08/31/2015 Date drilling commenced 10/20/2015 Date drilling ceased 1/27/2016  
Date completion activities began 9/11/2016 Date completion activities ceased 9/21/2016  
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 190', 236' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft No salt water shows Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 233', 939' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**APPROVED**

NAME: Michael Duff  
DATE: 10-05-17

Reviewed by: \_\_\_\_\_

API 47-085 - 10236 Farm name RICHARD L. & SHERYL A. RAY Well number 512428

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"	385'	NEW	J-55	173'	Y
Coal							
Intermediate 1	12 3/8"	9 5/8"	2985'	NEW	A-500	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	15,610'	NEW	P-110	N/A	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	405	15.6	1.20	486	0	8
Coal							
Intermediate 1	CLASS A	881 / 194	15.6 / 15.6	1.18 / 1.20	1272.38	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A / CLASS H / CLASS H	517 / 385 / 1121	12.5 / 15.2 / 15.6	1.76 / 1.11 / 1.84	3399.91	2,249'	72
Tubing							

Drillers TD (ft) 15,610' Loggers TD (ft) N/A

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

Plug back procedure Plug back f/ 6,960 fMD v/ 6,252 fMD with 310 sks/56 bbl 16.8 ppg 1.02 yield Densecem through fiberglass using Halliburton BHKA tool.

Kick off depth (ft) 3,274'

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

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Well cored  Yes  No  Conventional  Sidewall Were cuttings collected  Yes  No  
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DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

CONDUCTOR: NONE

SURFACE: 2 CENTRALIZERS AT JOINTS 1 AND 5

INTERMEDIATE: 7 CENTRALIZERS AT LEAST EVERY 500'

PRODUCTION: Spiral body composite centralizers run every other joint from bottom to 3,340'.

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- 085 - 10236 Farm name RICHARD L. & SHERYL A. RAY Well number 512428

**PERFORATION RECORD**

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					<b>Please See Attached</b>

Please insert additional pages as applicable.

**STIMULATION INFORMATION PER STAGE**

Complete a separate record for each stimulation stage.

Stage No.	Stimulations 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)
						<b>Please</b>	<b>See</b>	<b>Attached</b>

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Please insert additional pages as applicable.

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>MARCELLUS</u>	<u>6,447'</u>	<u>TVD</u>	<u>7,519'</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 1,531 psi Bottom Hole N/A psi DURATION OF TEST 103.5 hrs

OPEN FLOW Gas 11,983 mcfpd Oil N/A bpd NGL 57 bpd Water 889 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

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

Please insert additional pages as applicable.

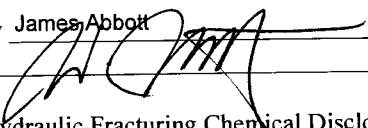
Drilling Contractor ALPHA HUNTER DRILLING (RIG 6)  
Address P.O. BOX 430 City RENO State OH Zip 45773

Logging Company Vaughn Energy Services  
Address P.O. BOX 261021 City Corpus Christi State TX Zip 78246-1021

Cementing Company C&J Energy Services (Nabors)  
Address 2504 Smith Creek Road City Waynesburg State PA Zip 15370

Stimulating Company FTS International  
Address 301 E. 18th Street City Cisco State TX Zip 76437

Please insert additional pages as applicable.

Completed by James Abbott Telephone (412) 553-5996  
Signature  Title Dir Completions Date 10/4/2017

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

API 47- 085 - 10236 Farm name RICHARD L. & SHERYL A. RAY Well number 512428

Drilling Contractor Orion Drilling Company  
Address 601 Aviation Way City Reynoldsville State PA Zip 15851

Logging Company Pro-Directional  
Address 750 Conroe Park North Dr. City Conroe State TX Zip 77303

Cementing Company Allied Oil and Gas Services, LLC  
Address 333 Technology Drive, Suite 290 City Canonsburg State PA Zip 15317

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512428 Final Formations (ST02 Wellbore) API #47-08510236

Formation Name	Final Top MD (ftGL) (ft)	Final Top TVD (ft)	Final Btm MD (ftGL) (ft)	Final Btm TVD (ft)
SAND/SHALE	1'	1'	233'	233'
COAL	233'	233'	234'	234'
SAND/SHALE	234'	234'	939'	939'
COAL	939'	939'	942'	942'
SAND/SHALE	942'	942'	1,698'	1,698'
MAXTON	1,698'	1,698'	1,881'	1,881'
BIG LIME	1,881'	1,881'	2,156'	2,156'
WEIR	2,156'	2,156'	2,370'	2,370'
BEREA	2,370'	2,370'	2,381'	2,381'
GANTZ	2,381'	2,381'	2,475'	2,475'
50F	2,475'	2,475'	2,631'	2,631'
GORDON	2,631'	2,631'	2,894'	2,894'
BAYARD	2,894'	2,894'	3,214'	3,214'
WARREN	3,214'	3,214'	3,272'	3,272'
SPEECHLEY	3,272'	3,272'	3,771'	3,755'
BALLTOWN A	3,771'	3,755'	4,566'	4,359'
RILEY	4,566'	4,359'	5,015'	4,690'
BENSON	5,015'	4,690'	5,450'	5,013'
ALEXANDER	5,450'	5,013'	6,917'	6,117'
SONYEA	6,911'	6,120'	7,094'	6,256'
MIDDLESEX	7,094'	6,256'	7,172'	6,307'
GENESSEE	7,172'	6,307'	7,304'	6,376'
GENESE0	7,304'	6,376'	7,424'	6,423'
TULLY	7,424'	6,423'	7,476'	6,437'
HAMILTON	7,476'	6,437'	7,519'	6,447'
MARCELLUS	7,519'	6,447'	15,610'	6,602'

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date	9/11/2016
Job End Date	9/21/2016
State	West Virginia
County	Ritchie
API Number	47-085-10236-00-00
Operator Name	EQT Production
Well Name and Number	512428
Latitude	39.13224700
Longitude	-80.83109700
Datum	NAD83
Federal Well	NO
Indian Well	NO
True Vertical Depth	6,447
Total Base Water Volume (gal)	12,674,425
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	FTS International	Carrier/Base Fluid	Water	7732-18-5	100.00000	88.50654	None
Other Chemical (s)	Listed Above	See Trade Name (s) List		Listed Below			



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MC MX 8-2544	Multi-Chem Group	Live Culture - Nitrate Reducing Bacteria		Listed Below			
MC MX 5-3886	Multi-Chem Group	Specialty Brine		Listed Below			
CS-500-SI	FTS International	Scale inhibitor		Listed Below			
CI-150	FTS International	Acid corrosion inhibitor		Listed Below			
LD-2550	Multi-Chem Group	Additive		Listed Below			
APB-1	FTS International	Gel Breaker		Listed Below			
LD-2250	Multi-Chem Group	Friction Reducer		Listed Below			
FRW-900	FTS International	Friction Reducer		Listed Below			
Hydrochloric Acid (15%)	FTS International	Acidizing					

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				Listed Below					
Sand (Proppant)	FTS International	Proppant		Listed Below					
HVG-1 4.0	FTS International	Water gelling agent		Listed Below					
Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.									
			Silica Substrate	14808-60-7	100.00000	11.03213	None		
			Calcium Nitrate.4H2O	13477-34-4	100.00000	0.10801	None		
			Hydrochloric Acid	7647-01-0	15.00000	0.03587	None		
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01752	None		
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01752			
			Polyacrylate	Proprietary	30.00000	0.01752	None		
			Polyacrylate	Proprietary	30.00000	0.01752			
			Inner salt of alkyl amines	Proprietary	60.00000	0.01040			
			Inner salt of alkyl amines	Proprietary	60.00000	0.01040	None		
			Sodium chloride	7647-14-5	100.00000	0.00987	None		
			Sodium chloride	7647-14-5	100.00000	0.00987			
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00292	None		
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00292			
			Sodium chloride	7647-14-5	5.00000	0.00292	None		
			Ethoxylated alcohol	Proprietary	5.00000	0.00292	None		
			Sodium chloride	7647-14-5	5.00000	0.00292			
			Ethoxylated alcohol	Proprietary	5.00000	0.00292			
			Ethylene glycol	107-21-1	10.00000	0.00246	None		
			Sodium chloride	7647-14-5	10.00000	0.00173			

				Sodium chloride	7647-14-5	10.00000	0.00173	None
				Hydro-treated Light Distillate	64742-47-8	30.00000	0.00098	None
				Hydro-treated Light Distillate	64742-47-8	30.00000	0.00098	None
				Sodium nitrate	7631-99-4	5.00000	0.00049	None
				Sodium nitrate	7631-99-4	5.00000	0.00049	None
				Alkyl Alcohol	Proprietary	10.00000	0.00033	None
				Alkyl Alcohol	Proprietary	10.00000	0.00033	None
				Raffinates, Sorption Process	64741-85-1	55.00000	0.00018	None
				Raffinates, Sorption Process	64741-85-1	55.00000	0.00018	None
				Guar gum	9000-30-0	50.00000	0.00016	None
				Guar gum	9000-30-0	50.00000	0.00016	None
				Oxyalkylated alcohol A	Proprietary	5.00000	0.00016	None
				Oxyalkylated alcohol A	Proprietary	5.00000	0.00016	None
				Isopropanol	67-63-0	30.00000	0.00013	None
				Ethylene glycol	107-21-1	30.00000	0.00013	None
				Organic amine resin salt	Proprietary	30.00000	0.00013	None
				Dimethylformamide	68-12-2	10.00000	0.00004	None
				Aromatic aldehyde	Proprietary	10.00000	0.00004	None
				Quaternary ammonium compound	Proprietary	10.00000	0.00004	None
				Quartz	14808-60-7	4.00000	0.00001	None
				Quartz	14808-60-7	4.00000	0.00001	None
				Isotridecanol, ethoxylated	9043-30-5	2.00000	0.00001	None
				Isotridecanol, ethoxylated	9043-30-5	2.00000	0.00001	None
				Ammonium Persulfate	7727-54-0	95.00000	0.00001	None

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\* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

\*\*\* If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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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512428-47-085-10236-0000 - 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)
1	9/11/2016	84	9,092	9,326	4,155	250,237.00	5,647	0
2	9/11/2016	84	9,023	9,514	3,981	250,564.20	5,864	0
3	9/11/2016	90	8,738	9,069	4,046	251,719.40	5,845	0
4	9/12/2016	89	9,030	9,308	4,192	250,462.80	5,709	0
5	9/12/2016	90	9,094	9,291	4,092	248,132.50	5,683	0
6	9/12/2016	83	8,971	9,276	4,529	248,591.00	5,706	0
7	9/12/2016	94	9,151	9,342	4,405	250,729.50	5,718	0
8	9/12/2016	53	9,137	9,410	4,771	5,484.00	9,851	0
8.1	9/13/2016	88	8,763	9,226	5,288	243,452.10	1,823	0
9	9/13/2016	90	9,086	9,328	4,994	250,412.10	5,748	0
10	9/13/2016	89	9,073	9,410	4,197	249,816.80	5,684	0
11	9/13/2016	49	9,209	9,413	4,802	258,102.00	6,523	0
11.1	9/14/2016	84	9,035	9,262	5,021	0.00	6,180	0
12	9/14/2016	93	9,150	9,319	5,590	249,270.10	5,734	0
13	9/14/2016	90	8,910	9,279	5,336	250,268.80	5,636	0
14	9/14/2016	94	9,026	9,218	4,986	250,603.90	5,577	0
15	9/14/2016	78	9,199	9,464	3,751	198,451.10	8,286	0
16	9/15/2016	80	9,163	9,349	4,852	249,649.30	6,061	0
17	9/15/2016	95	8,934	9,322	5,149	249,658.10	5,691	0
18	9/15/2016	92	9,162	9,356	4,017	248,862.20	5,480	0
19	9/15/2016	98	8,972	9,142	4,241	250,420.90	5,474	0
20	9/15/2016	95	9,139	9,266	3,826	248,626.30	5,409	0
21	9/16/2016	99	8,932	9,155	4,056	250,396.60	5,356	0
22	9/16/2016	100	9,180	9,365	4,351	248,326.50	5,551	0
23	9/16/2016	100	9,235	9,327	5,079	249,596.40	5,498	0
24	9/16/2016	100	9,003	9,144	4,477	250,531.10	5,616	0
25	9/16/2016	100	8,967	9,197	4,760	250,487.00	5,438	0
26	9/17/2016	100	8,977	9,151	4,284	250,167.30	5,417	0
27	9/17/2016	99	8,746	9,048	4,709	250,363.60	5,467	0
28	9/17/2016	100	8,804	9,111	4,843	250,220.30	5,525	0
29	9/17/2016	100	8,521	8,807	4,189	249,744.10	5,389	0
30	9/17/2016	101	8,445	8,715	4,261	250,248.90	5,508	0
31	9/17/2016	100	8,469	8,711	4,047	248,826.90	5,321	0
32	9/18/2016	100	8,353	8,549	3,947	248,593.20	5,257	0
33	9/18/2016	101	8,448	8,623	3,867	248,657.20	5,290	0
34	9/18/2016	103	8,302	8,552	5,054	250,065.90	5,278	0
35	9/18/2016	100	8,437	8,642	4,554	249,711.00	5,264	0
36	9/18/2016	101	8,286	8,883	4,642	250,573.00	5,258	0
37	9/18/2016	100	8,182	8,344	4,628	249,649.30	5,075	0
38	9/18/2016	101	7,890	8,066	4,332	248,147.90	5,025	0
39	9/19/2016	101	7,966	8,073	4,270	248,714.50	5,018	0
40	9/19/2016	98	8,404	8,903	4,217	249,250.20	5,176	0
41	9/19/2016	101	8,006	8,345	4,379	246,754.60	4,941	0
42	9/19/2016	101	8,084	8,316	4,841	249,239.20	5,025	0
43	9/19/2016	101	8,153	8,650	4,224	249,272.30	5,075	0
44	9/19/2016	100	7,754	8,325	4,703	248,432.30	5,004	0
45	9/19/2016	102	7,930	8,038	4,574	249,827.80	5,084	0
46	9/20/2016	100	8,529	8,744	4,558	249,135.60	5,117	0
47	9/20/2016	100	8,676	9,067	4,527	249,724.20	4,942	0
48	9/20/2016	102	7,932	8,066	4,311	248,820.30	4,939	0
49	9/20/2016	101	7,528	8,038	4,246	248,134.70	5,258	0
50	9/20/2016	101	7,484	7,874	4,370	249,503.80	5,237	0
51	9/21/2016	101	7,336	8,359	4,621	249,488.00	5,039	0
52	9/21/2016	102	7,099	8,016	4,719	251,496.70	5,142	0
53	9/21/2016	102	6,943	7,206	5,167	248,128.10	4,913	0

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512428-47-085-10236-0000 - Perforations

Stage Number	Perforation Date	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Number of Shots	Formation
Initiation Sleeve					
1	2/27/2016	15583	15610	10	MARCELLUS
2	6/17/2016	15430	15552	40	MARCELLUS
3	9/11/2016	15280	15402	40	MARCELLUS
4	9/11/2016	15130	15250	40	MARCELLUS
5	9/12/2016	14980	15100	40	MARCELLUS
6	9/12/2016	14830	14950	40	MARCELLUS
7	9/12/2016	14680	14802	40	MARCELLUS
8	9/12/2016	14530	14652	40	MARCELLUS
8.1	9/12/2016	14380	14500	40	MARCELLUS
9	9/13/2016	0	0	0	MARCELLUS
10	9/13/2016	14230	14352	40	MARCELLUS
11	9/13/2016	14080	14202	40	MARCELLUS
11.1	9/13/2016	13930	14050	40	MARCELLUS
12	9/14/2016	13885	13945	24	MARCELLUS
13	9/14/2016	13735	13857	40	MARCELLUS
14	9/14/2016	13585	13707	40	MARCELLUS
15	9/14/2016	13435	13555	40	MARCELLUS
16	9/15/2016	13285	13405	40	MARCELLUS
17	9/15/2016	13135	13255	40	MARCELLUS
18	9/15/2016	12985	13107	40	MARCELLUS
19	9/15/2016	12835	12957	40	MARCELLUS
20	9/15/2016	12685	12805	40	MARCELLUS
21	9/16/2016	12535	12655	40	MARCELLUS
22	9/16/2016	12385	12505	40	MARCELLUS
23	9/16/2016	12235	12355	40	MARCELLUS
24	9/16/2016	12085	12207	40	MARCELLUS
25	9/16/2016	11935	12057	40	MARCELLUS
26	9/17/2016	11785	11907	40	MARCELLUS
27	9/17/2016	11635	11755	40	MARCELLUS
28	9/17/2016	11485	11605	40	MARCELLUS
29	9/17/2016	11335	11457	40	MARCELLUS
30	9/17/2016	11185	11307	40	MARCELLUS
31	9/17/2016	11035	11157	40	MARCELLUS
32	9/17/2016	10885	11005	40	MARCELLUS
33	9/17/2016	10735	10855	40	MARCELLUS
34	9/18/2016	10585	10707	40	MARCELLUS
35	9/18/2016	10435	10557	40	MARCELLUS
36	9/18/2016	10285	10407	40	MARCELLUS
37	9/18/2016	10135	10257	40	MARCELLUS
38	9/18/2016	9985	10107	40	MARCELLUS
39	9/19/2016	9835	9957	40	MARCELLUS
40	9/19/2016	9685	9807	40	MARCELLUS
41	9/19/2016	9535	9657	40	MARCELLUS
42	9/19/2016	9385	9507	40	MARCELLUS
43	9/19/2016	9235	9357	40	MARCELLUS
44	9/19/2016	9085	9207	40	MARCELLUS
45	9/19/2016	8935	9057	40	MARCELLUS
46	9/19/2016	8785	8907	40	MARCELLUS
47	9/20/2016	8635	8755	40	MARCELLUS
48	9/20/2016	8485	8605	40	MARCELLUS
49	9/20/2016	8335	8457	40	MARCELLUS
50	9/20/2016	8185	8307	40	MARCELLUS
51	9/21/2016	8035	8157	40	MARCELLUS
52	9/21/2016	7885	8007	40	MARCELLUS
53	9/21/2016	7735	7857	40	MARCELLUS
		7585	7707	40	MARCELLUS

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Well Operator's Report of Well Work



Where energy meets innovation.

Well Number: 512428

API: 47 - 085 - 10236

Submission:  Initial  Amended

Notes: Initial mylar plat sent with initial report.