

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

API 47 - 103 - 03040 County WETZEL District GRANT  
Quad BIG RUN 7.5' Pad Name BIG192 Field/Pool Name \_\_\_\_\_  
Farm name RICHARD DALLISON ET AL Well Number 513916  
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 4,375,411.6 Easting 535,917.3  
Landing Point of Curve Northing 4,375,475.4 Easting 535,667.1  
Bottom Hole Northing 4,376,568.2 Easting 535,313.0

Elevation (ft) 1452 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 13.5 ppg barium sulfate, sodium chloride, xanthan gum, polyacrylic 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 12/08/2014 Date drilling commenced 01/12/2015 Date drilling ceased 5/25/2015  
Date completion activities began 6/17/2015 Date completion activities ceased 7/12/2015  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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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 549',581',780' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 2257',2370' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 743',804',919',1009',1240' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:

10/30/2015

API 47-103 - 03040 Farm name RICHARD DALLISON ET AL Well number 513916

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	28"	26"	80'	NEW	A-500 40LB/FT	NONE	Y
Surface	17.5"	13.375"	1004'	NEW	J-55 54.5LB/FT	457'	Y
Coal							
Intermediate 1	12.375" & 12.25"	9.625"	2771'	NEW	A-500 40LB/FT	NONE	Y
Intermediate 2							
Intermediate 3							
Production	8.5"	5.5"	11,940'	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	98	15.6	1.18	115.64	0	8
Surface	CLASS A	909	15.6	1.20	1090.8	0	8
Coal							
Intermediate 1	CLASS A / CLASS A	838 / 220	15.6 / 15.6	1.18 / 1.20	1252.84	0	8
Intermediate 2							
Intermediate 3							
Production	Class H / Class H	636 / 489	15.2 / 15.6	1.25 / 2.06	1802.34	5,000' MD	72
Tubing							

Drillers TD (ft) 11,940' 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) 6,541' 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- 168 Composite Centralizers. One on every joint from TD to 5,000' MD

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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- 103 - 03040 Farm name RICHARD DALLISON ET AL Well number 513916

**PERFORATION RECORD**

Stage No.	Perforation date	Perforated from MD ft	Perforated to MD ft.	Number of Perforations	Formation(s)
					Please see attached

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)
						Please	see	attached

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Please insert additional pages as applicable.

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PRODUCING FORMATION(S)	DEPTHS		
Marcellus	7,630	TVD	8,069 MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 1,517 psi Bottom Hole N/A psi DURATION OF TEST 83.00 hrs

OPEN FLOW Gas 10,238 mcfpd Oil bpd NGL 3.4 bpd Water 574.1 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		

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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 Phoenix Technology Services  
Address 1805 Brittmoore Road City HOUSTON State TX Zip 77043

Cementing Company ALLIED CEMENTING SERVICES  
Address 333 Technology Drive, Suite 290 City Canonsburg State PA Zip 15317

Stimulating Company C&J Energy Services  
Address 3990 Rogerdale City Houston State TX Zip 77042

Please insert additional pages as applicable.

Completed by Jim Helmick Telephone 412-395-5518  
Signature  Title VP Completions Date 10/7/2015

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

API 47- 103 - 03040 Farm name RICHARD DALLISON ET AL Well number 513916

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 Baker Hughes  
Address 837 Philippi Pike City Clarksburgh State WV Zip 26301

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API 47 - 103 - 03040

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	783	783
SAND/SHALE	0	0	746	746
WASHINGTON COAL	746	746	748	748
SAND/SHALE	748	748	807	807
COAL	807	807	817	817
SAND/SHALE	817	817	922	922
COAL	922	922	927	927
SAND/SHALE	927	927	1,012	1,012
COAL	1,012	1,012	1,022	1,022
SAND/SHALE	1,022	1,022	1,243	1,243
PITTSBURGH COAL	1,243	1,243	1,248	1,248
SAND/SHALE	1,248	1,248	2,444	2,444
MAXTON	2,444	2,444	2,484	2,484
BIG LIME	2,484	2,484	2,623	2,623
BIG INJUN	2,623	2,623	2,874	2,874
WEIR	2,874	2,874	3,082	3,082
GANTZ	3,082	3,082	3,108	3,108
50F	3,108	3,108	3,193	3,193
30F	3,193	3,193	3,310	3,310
GORDON	3,310	3,310	3,390	3,390
4TH	3,390	3,390	3,539	3,539
BAYARD	3,539	3,539	3,965	3,965
WARREN	3,965	3,965	4,117	4,117
SPEECHLEY	4,117	4,117	5,006	5,006
RILEY	5,006	5,006	5,641	5,641
BENSON	5,641	5,641	5,964	5,964
ALEXANDER	5,964	5,964	6,543	6,543
RHINESTREET	6,543	6,543	7,189	7,129
SONYEA	7,189	7,129	7,352	7,261
MIDDLESEX	7,352	7,261	7,564	7,409
GENESSEE	7,564	7,409	7,707	7,492
GENESEO	7,707	7,492	7,754	7,517
TULLY	7,754	7,517	7,800	7,540
HAMILTON	7,800	7,540	8,069	7,630
MARCELLUS	8,069	7,630	11,940	7,651

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10/30/2015

513916-47-103-03040-0000 - 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 (bbbls)	Amount of Nitrogen/other (lbs)
Initiation Sleeve	6/17/2015	16.9	6,157	7,835	4,844	0	782	0
1.02	7/5/2015	14.2	6,736	8,118	5,695	0	485	0
1.03	7/5/2015	10.7	9,263	9,594	7,262	0	1,387	0
1	7/5/2015	79.9	8,313	8,830	4,396	200,700.00	10,008	0
2	7/6/2015	93.2	8,491	8,912	4,756	202,400.00	5,805	0
3	7/6/2015	91	8,996	9,344	4,572	202,000.00	6,912	0
4	7/6/2015	86.4	8,473	9,139	4,541	200,700.00	5,789	0
5	7/7/2015	85.5	8,616	9,078	5,141	202,500.00	5,492	0
6	7/7/2015	97.1	8,872	9,348	5,016	201,600.00	5,851	0
7	7/7/2015	100.3	8,484	9,235	5,300	201,600.00	5,307	0
8	7/7/2015	93.6	8,503	9,163	4,443	203,100.00	5,594	0
9	7/8/2015	97.7	8,735	9,041	5,218	199,700.00	5,546	0
10	7/8/2015	99.8	8,384	8,786	5,171	200,500.00	5,588	0
11	7/8/2015	97.2	8,567	9,199	5,160	201,300.00	5,625	0
12	7/9/2015	100.7	8,511	9,146	5,546	200,600.00	5,674	0
13	7/9/2015	100.3	8,348	8,889	5,463	200,100.00	5,496	0
14	7/9/2015	97	8,360	8,759	5,557	203,900.00	6,091	0
15	7/10/2015	95.8	8,604	9,308	5,590	200,000.00	5,556	0
16	7/10/2015	100.8	8,120	8,544	5,441	200,900.00	5,351	0
17	7/10/2015	101	8,307	8,916	5,045	201,300.00	5,376	0
18	7/10/2015	98.9	8,384	8,772	5,129	203,100.00	5,474	0
19	7/11/2015	82.3	8,553	9,133	4,995	201,600.00	5,652	0
20	7/11/2015	101.5	8,071	8,409	5,363	200,700.00	5,302	0
21	7/11/2015	99.7	8,419	8,756	5,706	203,600.00	5,371	0
22	7/11/2015	100.3	8,480	8,749	5,307	201,100.00	5,214	0
23	7/12/2015	100.6	8,276	8,747	5,484	198,600.00	5,200	0
24	7/12/2015	100	8,203	9,092	5,609	198,900.00	5,279	0
25	7/12/2015	101.5	7,725	8,558	5,363	198,300.00	5,158	0

103-03040

10/30/2015

103-03040

513916-47-103-03040-0000 - Perforations

Stage Number	Perforation Date	Top Perf Depth (ftks)	Bottom Perf Depth (ftks)	Number of Shots	Formation
Initiation Sleeve	6/17/2015	11,939	11,940	10	MARCELLUS
1	6/17/2015	11,933	11,933	4	MARCELLUS
1.1	7/4/2015	11,933	11,933	4	MARCELLUS
1.2	7/4/2015	11,933	11,933	4	MARCELLUS
1.3	7/4/2015	11,933	11,933	4	MARCELLUS
1.4	7/5/2015	11,933	11,933	4	MARCELLUS
1.5	7/5/2015	11,933	11,933	4	MARCELLUS
1.6	7/5/2015	11,933	11,933	4	MARCELLUS
1.7	7/5/2015	11,794	11,886	4	MARCELLUS
2	7/5/2015	11,780	11,780	4	MARCELLUS
2.1	7/6/2015	11,644	11,764	4	MARCELLUS
3	7/6/2015	11,630	11,630	0	MARCELLUS
3.1	7/6/2015	11,524	11,616	4	MARCELLUS
4	7/6/2015	11,510	11,510	0	MARCELLUS
4.1	7/6/2015	11,374	11,494	4	MARCELLUS
5	7/6/2015	11,360	11,362	0	MARCELLUS
5.1	7/6/2015	11,224	11,344	4	MARCELLUS
6	7/7/2015	11,210	11,212	0	MARCELLUS
6.1	7/7/2015	11,074	11,186	4	MARCELLUS
7	7/7/2015	11,050	11,050	0	MARCELLUS
7.1	7/7/2015	10,914	11,036	4	MARCELLUS
8	7/7/2015	10,900	10,902	0	MARCELLUS
8.1	7/7/2015	10,764	10,880	4	MARCELLUS
9	7/8/2015	10,746	10,748	0	MARCELLUS
9.1	7/8/2015	10,614	10,734	4	MARCELLUS
10	7/8/2015	10,600	10,602	0	MARCELLUS
10.1	7/8/2015	10,464	10,579	4	MARCELLUS
11	7/8/2015	10,450	10,452	0	MARCELLUS
11.1	7/8/2015	10,314	10,434	4	MARCELLUS
12	7/9/2015	10,300	10,302	0	MARCELLUS
12.1	7/9/2015	10,164	10,284	4	MARCELLUS
13	7/9/2015	10,150	10,150	0	MARCELLUS
13.1	7/9/2015	10,014	10,134	4	MARCELLUS
14	7/9/2015	10,000	10,002	0	MARCELLUS
14.1	7/9/2015	9,864	9,986	4	MARCELLUS
15	7/9/2015	9,850	9,852	0	MARCELLUS
15.1	7/9/2015	9,804	9,834	4	MARCELLUS
16	7/10/2015	9,714	9,774	4	MARCELLUS
16.1	7/10/2015	9,566	9,684	4	MARCELLUS
17	7/10/2015	9,550	9,552	0	MARCELLUS
17.1	7/10/2015	9,414	9,534	4	MARCELLUS
18	7/10/2015	9,400	9,402	0	MARCELLUS
18.1	7/10/2015	9,264	9,384	4	MARCELLUS
19	7/10/2015	9,250	9,252	0	MARCELLUS
19.1	7/10/2015	9,114	9,234	4	MARCELLUS
20	7/11/2015	9,100	9,102	0	MARCELLUS
20.1	7/11/2015	8,964	9,080	4	MARCELLUS
21	7/11/2015	8,950	8,952	0	MARCELLUS
21.1	7/11/2015	8,814	8,934	4	MARCELLUS
22	7/11/2015	8,800	8,802	0	MARCELLUS
22.1	7/11/2015	8,664	8,784	4	MARCELLUS
23	7/11/2015	8,650	8,652	0	MARCELLUS
23.1	7/11/2015	8,517	8,634	4	MARCELLUS
24	7/12/2015	8,500	8,502	0	MARCELLUS
24.1	7/12/2015	8,364	8,484	4	MARCELLUS
25	7/12/2015	8,350	8,350	0	MARCELLUS
25.1	7/12/2015	8,214	8,334	4	MARCELLUS

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 OCT 08 2015  
 10/30/2015



# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/17/2015
Job End Date:	7/12/2015
State:	West Virginia
County:	Wetzel
API Number:	47-103-03040-00-00
Operator Name:	EQT Production
Well Name and Number:	513916
Longitude:	-80.58227500
Latitude:	39.52752300
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	7,630
Total Base Water Volume (gal):	6,147,330
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	C and J Energy Services	Carrier/Base Fluid	Water	7732-18-5	100.00000	90.64739None	
Sand (Proppant)	C and J Energy Services	Proppant	Silica Substrate	14808-60-7	100.00000	8.88601None	
MC MX 437-5	Multi-Chem	Calcium nitrate solution	Calcium nitrate	10124-37-5	60.00000	0.05757None	
Hydrochloric Acid (15%)	C and J Energy Services	Acidizing	Hydrochloric Acid	7647-01-0	15.00000	0.04142None	
WFR-12W	C and J Energy Services	Friction reducer	Anionic water-soluble polymer	Proprietary	100.00000	0.03624None	
Super TSC LT	C and J Energy Services	Scale control	Proprietary non-hazardous materials	Proprietary	100.00000	0.02634None	
PermVis VFR-10	Multi-Chem	Friction reducer	Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.00902None	
			Alcohols, C12-16, ethoxylated	68551-12-2	10.00000	0.00301None	
			Ammonium chloride	12125-02-9	10.00000	0.00301None	

103-03040



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OCT 08 2015

10/30/2015

LSG-100	C and J Energy Services	Gelling agent	p-Octadecanamide, n,n-bis-2 (hydroxy-ethyl)-(Z)	93-83-4	5.00000	0.00150	None
AI-2	C and J Energy Services	Acid Inhibitor	Solvent naphtha	54742-47-8	65.00000	0.00088	None
			sopropyl Alcohol	57-63-0	40.00000	0.00020	None
			Glycol Ethers	111-76-2	40.00000	0.00020	None
			Propargyl Alcohol	107-19-7	40.00000	0.00020	None
			Ethoxylated Nonylphenol	58412-54-4	13.00000	0.00007	None
			Benzyl Chloride-Quaternized	72480-70-7	10.00000	0.00005	None
OB-2	C and J Energy Services	Gel Breaker	Ammonium Persulfate	7727-54-0	100.00000	0.00002	None
			Silica, crystalline quartz	7631-86-9	30.00000	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)

Office of  
 OCT 08 2015  
 Gas

**LEGEND**

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

**EQT PRODUCTION COMPANY  
ROBINSON LEASE  
1,100 ACRES±  
WELL NO. WV 513916  
(BIG192 H12)**

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

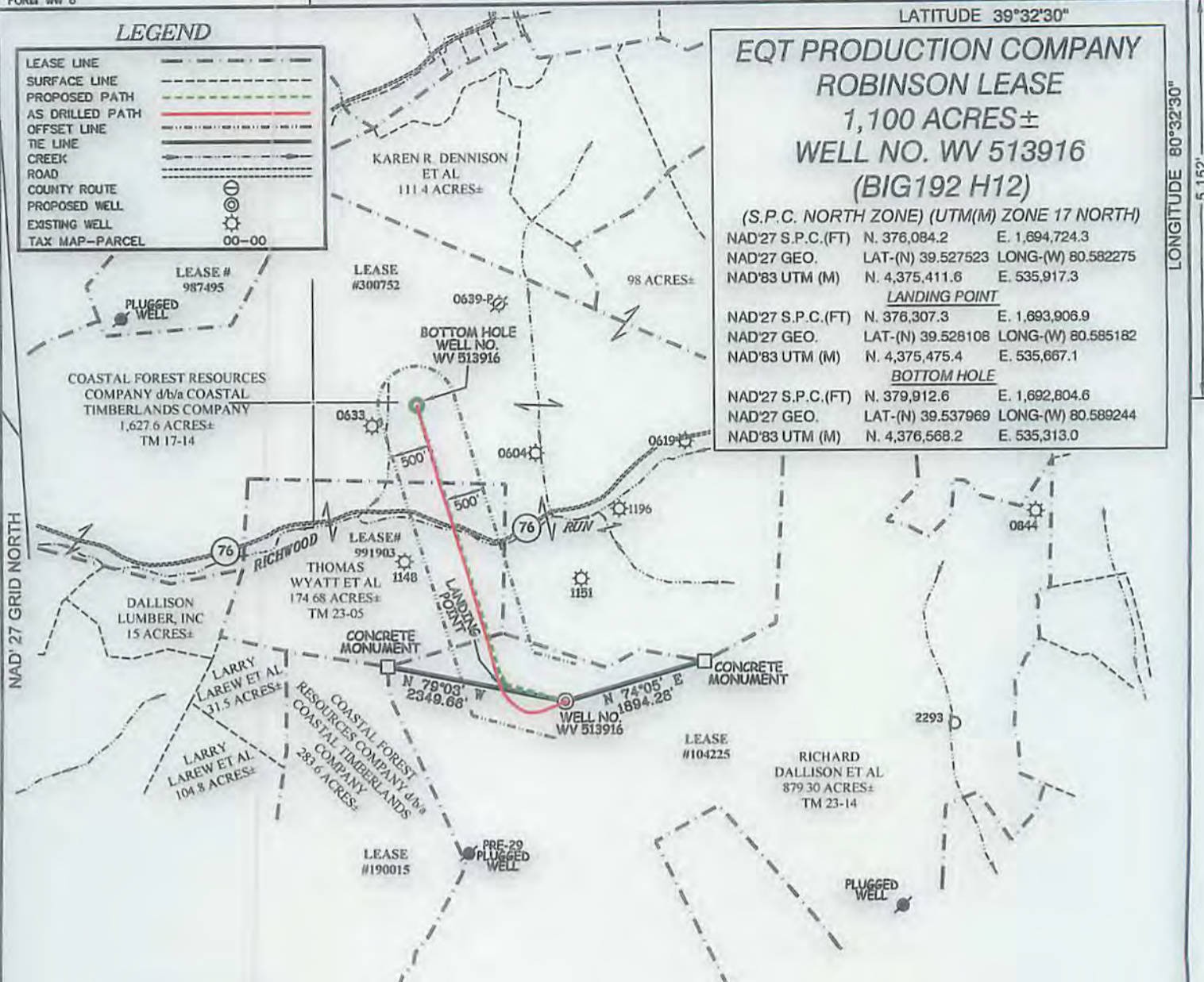
NAD'27 S.P.C.(FT)	N. 376,084.2	E. 1,694,724.3
NAD'27 GEO.	LAT-(N) 39.527523	LONG-(W) 80.582275
NAD'83 UTM (M)	N. 4,375,411.6	E. 535,917.3

**LANDING POINT**

NAD'27 S.P.C.(FT)	N. 376,307.3	E. 1,693,906.9
NAD'27 GEO.	LAT-(N) 39.528108	LONG-(W) 80.585182
NAD'83 UTM (M)	N. 4,375,475.4	E. 535,667.1

**BOTTOM HOLE**

NAD'27 S.P.C.(FT)	N. 379,912.6	E. 1,692,804.6
NAD'27 GEO.	LAT-(N) 39.537969	LONG-(W) 80.589244
NAD'83 UTM (M)	N. 4,376,568.2	E. 535,313.0



**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.

**AS DRILLED COORDINATES  
FOR WELL NO. WV 513916**

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

NAD'27 S.P.C.(FT)	N. 376,084.2	E. 1,694,724.3
NAD'27 GEO.	LAT-(N) 39.527523	LONG-(W) 80.582275
NAD'83 UTM (M)	N. 4,375,411.6	E. 535,917.3

**BOTTOM HOLE**

NAD'27 S.P.C.(FT)	N. 379,913.9	E. 1,692,805.8
NAD'27 GEO.	LAT-(N) 39.537973	LONG-(W) 80.589240
NAD'83 UTM (M)	N. 4,376,568.6	E. 535,313.4

ROYALTY OWNERS		
GLADY WILLEY ET AL.	175 AC.±	LEASE NO. 991903
MILLS WETZEL LANDS INC.	1000 AC.±	LEASE NO. 300752

**Professional Energy Consultants**  
A DIVISION OF SMITH LAND SURVEYING, INC.

**SLS**  
SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.

PH: 602-5634 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. 2288 *Earl N. Thompson*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE AUGUST 03, 20 12  
REVISED 09/17/12, 07/09/14, 08/05/14 & 06/23/15  
OPERATORS WELL NO. WV 513916  
API WELL NO. 47 - 103 - 03040H  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7797AD513916  
SCALE 1" = 2000'  
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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 1,452' (PAD ELEVATION) WATERSHED AUNTY RUN OF SOUTH FORK FISHING CREEK  
DISTRICT GRANT COUNTY WETZEL QUADRANGLE BIG RUN 7.5'  
SURFACE OWNER RICHARD DALLISON ET AL ACREAGE 879.30±  
ROYALTY OWNER ED BROOME, INC ET AL ACREAGE 1,100± **10/30/2015**  
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 7,631'

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°32'30" 5,152'

COUNTY NAME PERMIT