

Well Operator's Report of Well Work



Where energy meets innovation.

Well Number: 514416

API: 47 - 103 - 03037

Submission: Initial Amended

Notes:

RECEIVED
Office of Oil and Gas

JAN 27 2016

WV Department of
Environmental Protection

02/12/2016

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

API: 47-103-03037

API 47 - ~~103~~ - ~~02980~~ County Wetzel District GRANT
Quad BIG RUN Pad Name BIG333 Field/Pool Name _____
Farm name COASTAL FOREST RESOURCES Well Number 514416
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 4,375,066 Easting 535,104
Landing Point of Curve Northing 4,375,238 Easting 535,133
Bottom Hole Northing 4,377,286 Easting 534,538

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, 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 12/26/2014 Date drilling commenced 1/14/2015 Date drilling ceased 8/29/2015
Date completion activities began 10/15/2015 Date completion activities ceased 10/30/2015
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 581', 753' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2,257', 2,370', 2,657' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 743', 883', 919', 1,011', 1,240', 1,333' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

RECEIVED
Office of Oil and Gas

Reviewed by:

JAN 27 2016

DH

02/12/2016

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	30"	26"	80'	NEW	A-500 94LB/FT	NONE	Y
Surface	17.5"	13.375"	1,022'	NEW	J-55 54.5LB/FT	NONE	Y
Coal							
Intermediate 1	12.375"	9.625"	3,004'	NEW	A-500 40LB/FT	NONE	Y
Intermediate 2							
Intermediate 3							
Production	8.5"	5.5"	15,056'	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 ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	98	15.6	1.18	115.64	0	8
Surface	CLASS A	989	15.6	1.20	1,186.8	0	8
Coal							
Intermediate 1	CLASS A	1,194	15.6	1.18	1,408.9	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS H / CLASS H	576 / 894	15.2 / 15.6	1.25 / 2.06	2561.64	4,017	24
Tubing							

Drillers TD (ft) 15,056' MD Loggers TD (ft) N/A

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

Plug back procedure

Kick off depth (ft) 6,556' 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: 1,11,18

INTERMEDIATE- 6 CENTRALIZERS RAN AT LEAST EVERY 500' FEET

PRODUCTION- Composite body spiral centralizers run every joint from TD to 5,028 ftMD.

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS RECEIVED

Office of Oil and Gas

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS JAN 27 2016

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

WV Department of Environmental Protection

API: 47-103-03037

API 47- ~~103~~ - ~~02980~~ Farm name COASTAL FOREST RESOURCES Well number 514416

Drilling Contractor Savanna Drilling Rig 654
Address 125 Industry Road City Rices Landing State PA Zip 15357

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

Logging Company Hoss Co. Services LLC
Address 614 Trotters Lane City Charleston State WV Zip 25312

Cementing Company Baker Hughes Oil Field Operations
Address 837 Phillippi Pike City Clarksburg State WV Zip 26301

RECEIVED
Office of Oil and Gas

JAN 27 2016

WV Department of
Environmental Protection

514416 Final Formations API #47-10303037

Formation Name	Final Top MD (ftGL) (ft)	Final Top TVD (ft)	Final Btm MD (ftGL) (ft)	Final Btm TVD (ft)	
FRESH WATER ZONE	1			756	
SAND/SHALE	1			746	
WASHINGTON COAL	746			748	
SAND/SHALE	748			886	
WAYNESBURG COAL	886			888	
SAND/SHALE	888			922	
COAL	922			923	
SAND/SHALE	923			1,014.00	
UNIONTOWN COAL	1,014.00			1,015.00	
SAND/SHALE	1,015.00			1,243.00	
PITTSBURGH COAL	1,243.00			1,248.00	
SAND/SHALE	1,248.00			1,336.00	
COAL	1,336.00			1,340.00	
SAND/SHALE	1,340.00			2,343.00	
MAXTON	2,343.00			2,354.00	
SAND/SHALE	2,354.00			2,499.00	
BIG LIME	2,499.00			2,613.00	
SAND/SHALE	2,613.00			2,629.00	
BIG INJUN	2,629.00			2,666.00	
SAND/SHALE	2,666.00			2,881.00	
WEIR	2,881.00			3,318.00	
GORDON	3,318.00			3,477.00	
BAYARD	3,477.00			3,974.00	
WARREN	3,974.00			4,124.00	
SPEECHLEY	4,124.00			5,016.00	
RILEY	5,016.00			5,646.00	
BENSON	5,646.00			5,969.00	
ALEXANDER	5,969.00			7,143.00	7,118.90
RHINESTREET	7,143.00	7,118.90		7,204.00	7,176.20
SONYEA	7,204.00	7,176.20		7,388.00	7,341.50
MIDDLESEX	7,388.00	7,341.50		7,446.00	7,389.90
GENESEE	7,446.00	7,389.90		7,569.00	7,481.80
GENESEO	7,569.00	7,481.80		7,612.00	7,509.60
TULLY	7,612.00	7,509.60		7,647.00	7,530.30
HAMILTON	7,647.00	7,530.30		7,895.00	7,619.50
MARCELLUS	7,895.00	7,619.50			

RECEIVED
Office of Oil and Gas

JAN 27 2016

WV Department of
Environmental Protection

02/12/2016

514416 - 47-103-03037-0000 - Perforations

<i>Stage Number</i>	<i>Perforation Date</i>	<i>Top Perf Depth (ftKB)</i>	<i>Bottom Perf Depth (ftKB)</i>	<i>Number of Shots</i>	<i>Formation</i>
Initiation Sleeve	9/25/2015	15,054.00	15,056.00	10	MARCELLUS
1	10/15/2015	14,905.00	15,031.00	56	MARCELLUS
2	10/16/2015	14,757.00	14,879.00	40	MARCELLUS
3	10/16/2015	14,607.00	14,727.00	40	MARCELLUS
4	10/17/2015	14,457.00	14,579.00	40	MARCELLUS
5	10/17/2015	14,307.00	14,427.00	40	MARCELLUS
6	10/17/2015	14,156.00	14,277.00	40	MARCELLUS
7	10/17/2015	14,007.00	14,129.00	40	MARCELLUS
8	10/18/2015	13,857.00	13,979.00	40	MARCELLUS
9	10/18/2015	13,707.00	13,829.00	40	MARCELLUS
10	10/19/2015	13,557.00	13,674.00	40	MARCELLUS
11	10/19/2015	13,407.00	13,527.00	40	MARCELLUS
12	10/19/2015	13,257.00	13,377.00	40	MARCELLUS
13	10/20/2015	13,110.00	13,229.00	40	MARCELLUS
14	10/20/2015	12,957.00	13,079.00	40	MARCELLUS
15	10/20/2015	12,807.00	12,929.00	40	MARCELLUS
16	10/20/2015	12,657.00	12,779.00	40	MARCELLUS
17	10/21/2015	12,507.00	12,630.00	40	MARCELLUS
18	10/21/2015	12,357.00	12,477.00	40	MARCELLUS
19	10/21/2015	12,207.00	12,327.00	40	MARCELLUS
20	10/21/2015	12,057.00	12,179.00	40	MARCELLUS
21	10/22/2015	11,907.00	12,029.00	40	MARCELLUS
22	10/22/2015	11,757.00	11,878.00	40	MARCELLUS
23	10/22/2015	11,607.00	11,729.00	40	MARCELLUS
24	10/24/2015	11,457.00	11,579.00	40	MARCELLUS
25	10/24/2015	11,306.00	11,429.00	40	MARCELLUS
26	10/24/2015	11,157.00	11,279.00	40	MARCELLUS
27	10/24/2015	11,007.00	11,129.00	40	MARCELLUS
28	10/24/2015	10,857.00	10,979.00	40	MARCELLUS
29	10/25/2015	10,707.00	10,824.00	40	MARCELLUS
30	10/25/2015	10,557.00	10,679.00	40	MARCELLUS
31	10/25/2015	10,407.00	10,529.00	40	MARCELLUS
32	10/26/2015	10,254.00	10,379.00	40	MARCELLUS
33	10/26/2015	10,107.00	10,229.00	40	MARCELLUS
34	10/26/2015	9,957.00	10,079.00	40	MARCELLUS
35	10/27/2015	9,807.00	9,929.00	40	MARCELLUS
36	10/27/2015	9,657.00	9,783.00	40	MARCELLUS
37	10/27/2015	9,507.00	9,629.00	40	MARCELLUS
38	10/28/2015	9,357.00	9,479.00	40	MARCELLUS
39	10/28/2015	9,209.00	9,329.00	40	MARCELLUS
40	10/28/2015	9,057.00	9,179.00	40	MARCELLUS
41	10/28/2015	8,907.00	9,029.00	40	MARCELLUS
42	10/29/2015	8,757.00	8,879.00	40	MARCELLUS
43	10/29/2015	8,607.00	8,729.00	40	MARCELLUS
44	10/29/2015	8,457.00	8,574.00	40	MARCELLUS
45	10/29/2015	8,307.00	8,428.00	40	MARCELLUS
46	10/30/2015	8,157.00	8,279.00	40	MARCELLUS
47	10/30/2015	8,007.00	8,129.00	40	MARCELLUS

RECEIVED
Office of Oil and Gas

JAN 27 2016

WV Department of
Environmental Protection

02/12/2016

514416 - 47-103-03037-0000 - Stimulated Stages

<i>Stage Number</i>	<i>Stimulation Date</i>	<i>Ave Pump Rate (BPM)</i>	<i>Ave Treatment Pressure (PSI)</i>	<i>Max Breakdown Pressure (PSI)</i>	<i>ISIP (PSI)</i>	<i>Amount of Proppant (lbs)</i>	<i>Amount of Water (bbls)</i>	<i>Amount of Nitrogen/other (units)</i>
Initiation Sleeve	10/15/2015	9.8	8,130.00	9,433.00	6,211.00	0	694	0
1	10/15/2015	53.1	8,602.00	9,945.00	4,135.00	249,709	14755	0
2	10/16/2015	92.7	8,810.00	9,219.00	4,002.00	252,164	6575	0
3	10/16/2015	84.7	9,024.00	9,321.00	4,209.00	250,429	7536	0
4	10/17/2015	96	8,979.00	9,218.00	4,688.00	250,379	6856	0
5	10/17/2015	90.7	9,032.00	9,214.00	4,641.00	250,152	6977	0
6	10/17/2015	90.1	9,061.00	9,247.00	4,698.00	249,808	6967	0
7	10/18/2015	92.6	9,105.00	9,242.00	4,691.00	250,218	6452	0
8	10/18/2015	91.5	9,007.00	9,460.00	4,859.00	250,809	6276	0
9	10/18/2015	90.6	9,031.00	9,303.00	4,559.00	250,431	6141	0
10	10/19/2015	93.5	9,006.00	9,329.00	4,530.00	250,018	7083	0
11	10/19/2015	86.5	9,044.00	9,436.00	4,769.00	249,545	6399	0
12	10/19/2015	96	9,034.00	9,261.00	4,902.00	250,374	6368	0
13	10/20/2015	97.6	8,965.00	9,096.00	4,732.00	250,052	6328	0
14	10/20/2015	97.9	9,039.00	9,294.00	4,736.00	279,355	6905	0
15	10/20/2015	95.3	9,134.00	9,340.00	5,301.00	250,985	6454	0
16	10/20/2015	85.7	8,791.00	9,638.00	4,925.00	249,850	6452	0
17	10/21/2015	100.1	8,852.00	9,102.00	5,141.00	251,579	6295	0
18	10/21/2015	100.40	8,957.00	9,167.00	5,402.00	250,112	6,361	0
19	10/21/2015	96.00	9,002.00	9,285.00	5,742.00	251,068	6,514	0
20	10/22/2015	94.90	8,982.00	9,197.00	5,597.00	250,752	6,515	0
21	10/22/2015	101.80	8,970.00	9,144.00	5,523.00	249,879	5,877	0
22	10/22/2015	98.70	9,002.00	9,392.00	5,346.00	250,345	5,716	0
23	10/23/2015	97.30	8,938.00	9,253.00	4,995.00	249,040	6,128	0
24	10/24/2015	100.9	8,455.00	8,873.00	5,236.00	248,662	6149	0
25	10/24/2015	99.4	8,400.00	8,615.00	4,696.00	248,227	5432	0
26	10/24/2015	102.3	8,830.00	9,132.00	4,937.00	250,348	5518	0
27	10/24/2015	101.9	8,466.00	8,703.00	5,022.00	250,448	5736	0
28	10/25/2015	101.4	8,330.00	8,551.00	5,202.00	249,589	6106	0
29	10/25/2015	100.7	8,575.00	8,773.00	5,101.00	251,148	6141	0
30	10/25/2015	100.6	8,488.00	8,778.00	4,970.00	249,524	5818	0
31	10/26/2015	100.7	8,602.00	9,132.00	5,322.00	250,657	5946	0
32	10/26/2015	100.4	8,301.00	8,453.00	5,117.00	250,769	5631	0
33	10/26/2015	98.8	8,291.00	8,471.00	5,395.00	251,135	4431	0
34	10/27/2015	100.8	8,249.00	8,893.00	5,318.00	250,018	5809	0
35	10/27/2015	100.2	8,181.00	8,514.00	5,309.00	250,339	5598	0
36	10/27/2015	100.4	8,421.00	8,613.00	4,978.00	250,439	5806	0
37	10/28/2015	101.20	8,442.00	8,760.00	5,149.00	250,672	5,742	0
38	10/28/2015	100.90	8,378.00	8,776.00	5,280.00	250,059	5,536	0
39	10/28/2015	102.00	8,316.00	8,942.00	5,624.00	250,805	5,683	0
40	10/28/2015	102.50	8,290.00	8,653.00	5,589.00	250,039	5,660	0
41	10/28/2015	102.2	8,140.00	8,638.00	5,605.00	250,311	5805	0
42	10/29/2015	101.1	7,996.00	9,180.00	5,675.00	249,670	5777	0
43	10/29/2015	91.3	8,770.00	9,242.00	5,241.00	251,436	6028	0
44	10/29/2015	99.6	8,884.00	9,317.00	5,369.00	250,092	5705	0
45	10/29/2015	100.5	8,736.00	9,125.00	5,754.00	249,986	5557	0
46	10/30/2015	101.8	8,665.00	9,076.00	5,400.00	249,250	5543	0
47	10/30/2015	100.6	8,407.00	8,818.00	5,277.00	250,784	5549	0

RECEIVED
Office of Oil and Gas

JAN 27 2016

WV Department of
Environmental Protection

02/12/2016

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/15/2015
Job End Date:	10/30/2015
State:	West Virginia
County:	Wetzel
API Number:	47-103-03037-00-00
Operator Name:	EQT Production
Well Name and Number:	514416
Longitude:	-80.59175100
Latitude:	39.52444400
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	7,620
Total Base Water Volume (gal):	12,403,860
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	89.41977	None
Sand (Proppant)	FTS International	Proppant	Crystalline Silica	14808-60-7	100.00000	10.18633	None
MC MX 437-5	Multi-Chem	Calcium nitrate solution	Calcium nitrate	10124-37-5	60.00000	0.05738	None
Hydrochloric Acid (15%)	FTS International	Acidizing	Hydrochloric Acid	7647-01-0	15.00000	0.03182	None
FRW-900	FTS International	Friction reducer	Hydrotreated light distillate	64742-47-8	30.00000	0.01655	None
			Alkyl Alcohol	Proprietary	10.00000	0.00552	None
			Oxyalkylated alcohol	Proprietary	5.00000	0.00276	None
HVG-1	FTS International	Gelling agent	Petroleum distillate	64742-47-8	55.00000	0.00296	None
			Guar gum	9000-30-0	50.00000	0.00269	None
			Clay	14808-60-7	2.00000	0.00011	None
			Surfactant	68439-51-0	2.00000	0.00011	None
CS-500-SI	FTS International	Scale inhibitor					

WV Department of Environmental Protection

JAN 27 2016

RECEIVED
Office of Oil and Gas

			Ethylene glycol	107-21-1	10.00000	0.00247	None
CI-150	FTS International	Acid Corrosion Inhibitor					
			Isopropanol	67-63-0	30.00000	0.00012	None
			Ethylene glycol	107-21-1	30.00000	0.00012	None
			Organic amine resin salt	Proprietary	30.00000	0.00012	None
			Quaternary ammonium compound	Proprietary	10.00000	0.00004	None
			Aromatic aldehyde	Proprietary	10.00000	0.00004	None
			Dimethylformamide	68-12-2	10.00000	0.00004	None
NE-100	FTS International	Non-emulsifier					
			2-Propanol	67-63-0	10.00000	0.00004	None
			2-Butoxyethanol	111-76-2	10.00000	0.00004	None
			Dodecylbenzenesulfonic acid	27176-87-0	5.00000	0.00002	None
FE-100L	FTS International	Iron control					
			Citric acid	77-92-9	55.00000	0.00005	None
APB-1	FTS International	Breaker					
			Ammonium persulfate	7727-54-0	95.00000	0.00003	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)

RECEIVED
Office of Oil and Gas

JAN 27 2016

WV Department of
Environmental Protection

WV 514416
EQT Production Company
Hart Lease
285 Acres

LATITUDE 39 - 32 - 30

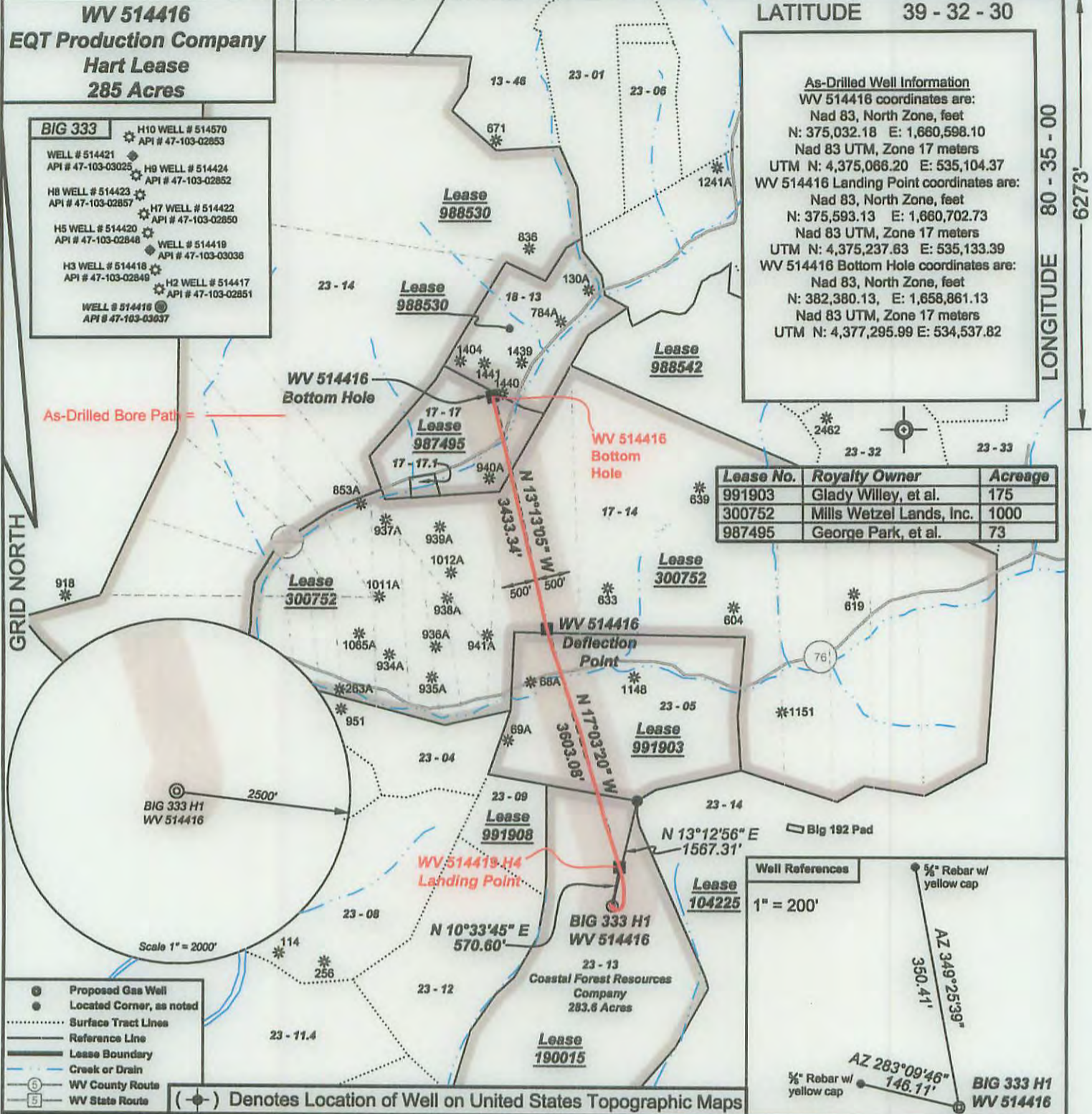
2374'

LONGITUDE 80 - 35 - 00
 6273'

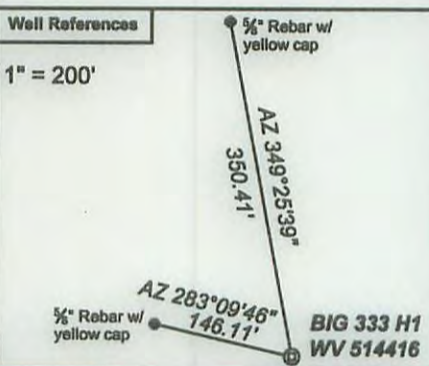
BIG 333
 H10 WELL # 514570
 API # 47-103-02653
 H9 WELL # 514424
 API # 47-103-02852
 H8 WELL # 514423
 API # 47-103-02857
 H7 WELL # 514422
 API # 47-103-02850
 H5 WELL # 514420
 API # 47-103-02848
 WELL # 514419
 API # 47-103-03036
 H3 WELL # 514418
 API # 47-103-02849
 H2 WELL # 514417
 API # 47-103-02851
 WELL # 514416
 API # 47-103-03037

As-Drilled Well Information
 WV 514416 coordinates are:
 Nad 83, North Zone, feet
 N: 375,032.18 E: 1,660,598.10
 Nad 83 UTM, Zone 17 meters
 UTM N: 4,375,068.20 E: 535,104.37
 WV 514416 Landing Point coordinates are:
 Nad 83, North Zone, feet
 N: 375,593.13 E: 1,660,702.73
 Nad 83 UTM, Zone 17 meters
 UTM N: 4,375,237.83 E: 535,133.39
 WV 514416 Bottom Hole coordinates are:
 Nad 83, North Zone, feet
 N: 382,380.13, E: 1,658,861.13
 Nad 83 UTM, Zone 17 meters
 UTM N: 4,377,295.99 E: 534,537.82

GRID NORTH



Lease No.	Royalty Owner	Acreage
991903	Glady Willey, et al.	175
300752	Mills Wetzel Lands, Inc.	1000
987495	George Park, et al.	73



- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route



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 Department of Environmental Protection.

Ben R. Singleton
 P.S. 2092



FILE NO: 33-15
 DRAWING NO: 33-15 BIG 333 H1 As-Built
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 6 20 15
 OPERATOR'S WELL NO.: 514416
 API WELL NO
 47 - 103 - 03037
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built - 1452' WATERSHED Aunty Run of South Fork Fishing Creek QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel
 SURFACE OWNER: Coastal Forest Resources Co., d/b/a Coastal Timberlands Co. ACREAGE: 283.6±
 ROYALTY OWNER: Alex Hart, et al. LEASE NO: 190015 ACREAGE: 285±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD 6,802'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex C. Ray
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bridgeport, WV 26330 Bridgeport, WV 26330

02/12/2016