

Well Operator's Report of Well Work



Well Number: 513923

API: 47 - 103 - 02732

Submission: Initial Amended

Final

Notes: Amended w/ revised plat

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

API 47 - 103 - 02732 County Wetzel District Grant
Quad Big Run Pad Name Big190 Field/Pool Name _____
Farm name Coastal Forest Resources Co fka Coastal Lumber Co Well Number 513923
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 4,378,142.97 Easting 533,885.06
Landing Point of Curve Northing 4,378,138.51 Easting 533,735.34
Bottom Hole Northing 4,379,960.96 Easting 533,163.98

Elevation (ft) 1474 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

3/12/2012 original
Date permit issued 9/9/2015 mod Date drilling commenced 10/16/2013 Date drilling ceased 1/6/2017
Date completion activities began 1/19/2017 Date completion activities ceased 2/6/2017
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 675', 680', 747' 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 411', 1166', 1198' Cavern(s) encountered (Y/N) depths N

Is coal being mined in area (Y/N) N

APPROVED

NAME: [Signature]
DATE: 5-25-17

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Reviewed by:

[Signature]

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API 47-103 - 02732

Farm name Coastal Forest Resources Co fka Coastal Lumber Co

Well number 513923

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"	40'	NEW	A-500 82.60LB/FT	NONE	Y
Surface	17.5"	13.375"	842'	NEW	J-55 54.5LB/FT	121' & 159'	Y
Coal							
Intermediate 1	12.375" / 12.25	9.625"	2750'	NEW	A-500 40LB/FT	855' & 897'	Y
Intermediate 2							
Intermediate 3							
Production	8.75" / 8.5"	5.5"	14316'	NEW	P-110 20LB/FT	NONE	N
Tubing							
Packer type and depth set							

Comment Details _____

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	49	15.6	1.18	58	0	8+
Surface	CLASS A	735	15.6	1.19	875	0	8
Coal							
Intermediate 1	Class A	1075	15.6	1.18	1269	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A / CLASS H	625 / 900	15.2 / 15.6	1.12 / 1.85	2365	5000	72+
Tubing							

Drillers TD (ft) 14319'

Loggers TD (ft) N/A

Deepest formation penetrated MARCELLUS

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 8084'

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- RAN AT LEAST EVERY 500' FEET

INTERMEDIATE- RAN AT LEAST EVERY 500' FEET

PRODUCTION- COMPOSITE BODY CENTRALIZERS RAN EVERY JOINT FROM SHOE TO 5000' (TOC)

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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API 47- 103 - 02732 Farm name Coastal Forest Resources Co fka Coastal Lumber Co Well number 513923

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>MARCELLUS</u>	<u>7,540.20</u>	<u>TVD</u>	<u>7,893.00</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2,005 psi Bottom Hole N/A psi DURATION OF TEST 70.00 hrs

OPEN FLOW Gas 11,052 mcfpd Oil N/A bpd NGL 485 bpd Water 905 bpd GAS MEASURED BY Estimated Orifice Pilot

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

Please insert additional pages as applicable.

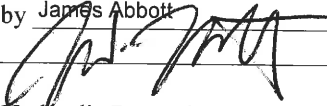
Drilling Contractor Alpha Hunter 4
Address P.O Box 430 City Reno State OH Zip 45773

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

Cementing Company Nabors
Address 2504 Smith Creek Road City Waynesburg State PA Zip 15370

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

Please insert additional pages as applicable.

Completed by James Abbott Telephone (412) 553-5996
Signature  Title Dir Completions Date 5/4/2017

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

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API 47- 103 - 02732 Farm name Coastal Forest Resources Co fka Coastal Lumber Co Well number 513923

Drilling Contractor Savanna Drilling
Address 125 Industry Road City Waynesburg State PA Zip 15370

Logging Company _____
Address _____ City _____ State _____ Zip _____

Logging Company PROFESSIONAL DIRECTIONAL
Address 750 Conroe Park North Dr. City Conroe State TX Zip 77303

Cementing Company Halliburton Energy Services
Address 121 Champion Way City Canonsburg State PA Zip 15317

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Final Formations Well #513923 API #47-103-02732

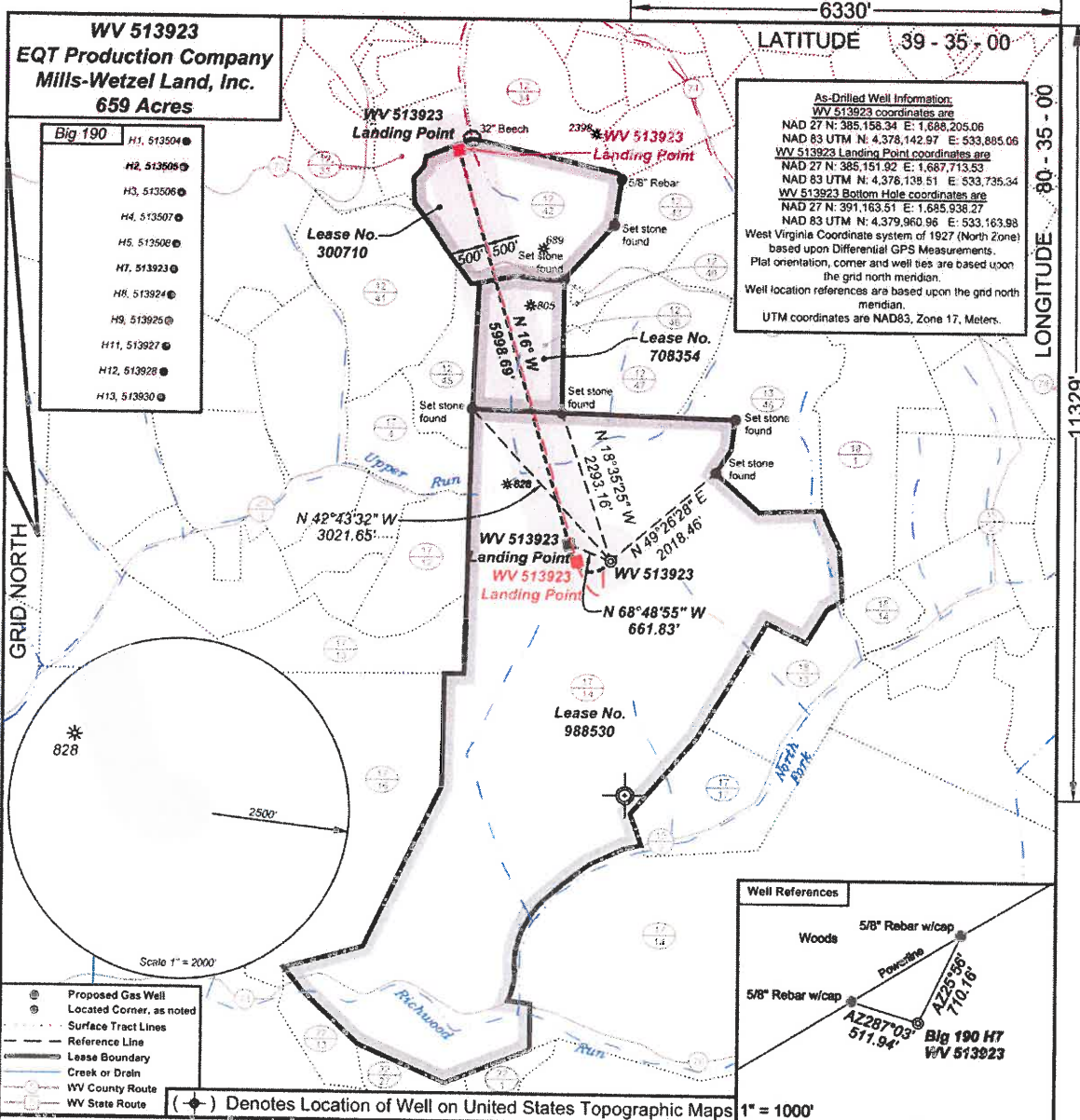
Formation Name	Final Top MD (ftGL) (ft)	Final Top (TVD) (ft)	Final Btm MD (ftGL) (ft)	Final Btm (TVD) (ft)
SAND/SHALE	1	1	744	744
WASHINGTON COAL	744	744	747	747
SAND/SHALE	747	747	867	867
WAYNESBURG COAL	867	867	869	869
SAND/SHALE	869	869	1,058.00	1,058.00
COAL	1,058.00	1,058.00	1,063.00	1,063.00
SAND/SHALE	1,063.00	1,063.00	1,209.00	1,209.00
PITTSBURGH COAL	1,209.00	1,209.00	1,215.00	1,215.00
SAND/SHALE	1,215.00	1,215.00	2,275.00	2,274.80
MAXTON	2,275.00	2,274.80	2,431.00	2,430.80
BIG LIME	2,431.00	2,430.80	2,560.00	2,559.70
BIG INJUN	2,560.00	2,559.70	2,837.00	2,836.70
WEIR	2,837.00	2,836.70	3,004.00	3,003.70
GANTZ	3,004.00	3,003.70	3,039.00	3,038.70
SOF	3,039.00	3,038.70	3,268.00	3,267.70
GORDON	3,268.00	3,267.70	3,510.00	3,509.70
BAYARD	3,510.00	3,509.70	3,892.00	3,891.70
WARREN	3,892.00	3,891.70	4,090.00	4,089.60
SPEECHLEY	4,090.00	4,089.60	4,460.00	4,459.60
BALLTOWN A	4,460.00	4,459.60	4,918.00	4,917.60
RILEY	4,918.00	4,917.60	5,561.00	5,555.80
BENSON	5,561.00	5,555.80	5,936.00	5,927.60
ALEXANDER	5,936.00	5,927.60	7,084.00	6,944.90
ELKS	7,084.00	6,944.90	7,142.00	7,000.20
SONYEA	7,142.00	7,000.20	7,442.00	7,274.20
MIDDLESEX	7,442.00	7,274.20	7,501.00	7,322.60
GENESEE	7,501.00	7,322.60	7,610.00	7,404.70
GENESEO	7,610.00	7,404.70	7,653.00	7,433.60
TULLY	7,653.00	7,433.60	7,695.00	7,459.30
HAMILTON	7,695.00	7,459.30	7,893.00	7,540.20
MARCELLUS	7,893.00	7,540.20	14,319.00	7,515.10

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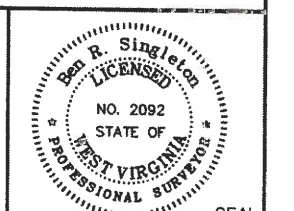
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I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Ben P. Singleton
 P.S. 2092



FILE NO: 196-34-G-10
 DRAWING NO: 196-10 Big 190 H7
 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: January 20 20 17
 OPERATOR'S WELL NO.: 513923
 API WELL NO
 47 - 103 - 02733
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1473.5' (As-built) WATERSHED Upper Run and North Fork QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel

SURFACE OWNER: Coastal Forest Resources Co. f/k/a Coastal Lumber Company ACREAGE: 1636.5
 ROYALTY OWNER: Mills-Wetzel Land, Inc. LEASE NO: 988530 ACREAGE: 659

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 = 7,800 MD = 15,250

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

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513923-47-103-02732-0000- Perforations

Stage Number	Perforation Date	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Number of Shots	Formation
Initiation Sleeve	1/15/2017	14,291	14,319	10	MARCELLUS
1	1/21/2017	14,130	14,252	32	MARCELLUS
2	1/21/2017	13,930	14,092	40	MARCELLUS
3	1/22/2017	13,730	13,892	40	MARCELLUS
4	1/23/2017	13,530	13,692	40	MARCELLUS
5	1/23/2017	13,334	13,492	40	MARCELLUS
6	1/23/2017	13,130	13,292	40	MARCELLUS
7	1/24/2017	12,930	13,092	40	MARCELLUS
8	1/24/2017	12,730	12,892	40	MARCELLUS
9	1/25/2017	12,530	12,692	40	MARCELLUS
10	1/26/2017	12,330	12,492	40	MARCELLUS
11	1/26/2017	12,130	12,292	40	MARCELLUS
12	1/27/2017	11,930	12,092	40	MARCELLUS
13	1/27/2017	11,730	11,892	40	MARCELLUS
14	1/27/2017	11,530	11,692	40	MARCELLUS
15	1/29/2017	11,330	11,492	40	MARCELLUS
16	1/30/2017	11,130	11,292	40	MARCELLUS
17	1/31/2017	10,930	11,092	40	MARCELLUS
18	2/1/2017	10,730	10,892	40	MARCELLUS
19	2/1/2017	10,530	10,692	40	MARCELLUS
20	2/1/2017	10,330	10,492	40	MARCELLUS
21	2/1/2017	10,130	10,292	40	MARCELLUS
22	2/2/2017	9,930	10,092	40	MARCELLUS
23	2/2/2017	9,730	9,892	40	MARCELLUS
24	2/3/2017	9,530	9,692	40	MARCELLUS
25	2/3/2017	9,330	9,492	40	MARCELLUS
26	2/3/2017	9,130	9,292	40	MARCELLUS
27	2/4/2017	8,930	9,092	40	MARCELLUS
28	2/4/2017	8,730	8,892	40	MARCELLUS
29	2/4/2017	8,530	8,692	40	MARCELLUS
30	2/5/2017	8,330	8,492	40	MARCELLUS
31	2/5/2017	8,130	8,292	40	MARCELLUS
32	2/5/2017	7,930	8,092	40	MARCELLUS

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513923-47-103-02732-0000 - 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 (units)
Initiation Sleeve	1/19/2017	11	5,268	7,274	3,965	0.00	1,106	0
1.01	1/20/2017	42	4,358	8,402	4,366	0.00	1,811	0
1	1/21/2017	92	7,754	8,471	4,210	435,210.00	10,902	0
2	1/22/2017	93	8,665	9,038	4,870	444,430.00	9,037	0
3	1/22/2017	92	8,565	9,081	5,146	454,360.00	10,218	0
4	1/23/2017	92	8,366	8,800	4,702	454,480.00	8,707	0
5	1/23/2017	94	8,831	9,136	4,403	446,460.00	9,075	0
6	1/24/2017	97	8,724	9,019	4,576	454,780.00	9,247	0
7	1/24/2017	90	8,537	9,134	4,800	450,020.00	8,886	0
8	1/25/2017	95	8,706	8,894	4,736	452,157.00	8,665	0
9	1/26/2017	95	8,861	9,034	4,793	453,783.00	8,631	0
10	1/26/2017	99	8,868	9,127	5,350	447,476.00	8,510	0
11	1/26/2017	96	8,765	9,105	5,578	452,482.00	10,198	0
12	1/27/2017	94	8,782	9,126	4,671	450,857.00	9,335	0
13	1/27/2017	99	8,663	8,966	4,523	453,450.00	8,501	0
14	1/29/2017	96	8,795	9,138	4,606	451,283.00	8,456	0
15	1/30/2017	98	8,882	9,090	5,199	448,567.00	8,063	0
16	1/31/2017	95	8,926	9,160	5,196	455,343.00	8,231	0
17	2/1/2017	99	8,781	8,933	4,548	454,283.00	8,537	0
18	2/1/2017	100	8,497	8,721	4,808	453,623.00	8,105	0
19	2/1/2017	100	8,832	9,093	4,698	456,131.00	7,910	0
20	2/1/2017	100	8,461	8,974	4,652	447,488.00	7,953	0
21	2/2/2017	100	8,513	8,672	4,812	448,919.00	8,068	0
22	2/2/2017	100	8,546	8,971	4,713	451,224.00	8,926	0
23	2/3/2017	99	8,463	8,692	5,252	449,331.00	7,941	0
24	2/3/2017	97	8,533	8,780	4,808	451,106.00	7,923	0
25	2/3/2017	92	8,037	8,361	4,564	456,645.00	7,579	0
26	2/4/2017	100	8,275	8,427	4,734	453,409.00	7,664	0
27	2/4/2017	100	8,219	8,633	4,744	459,353.00	7,812	0
28	2/4/2017	100	8,059	8,687	4,852	456,218.00	7,868	0
29	2/5/2017	100	7,863	8,241	5,173	452,351.00	9,061	0
30	2/5/2017	100	8,143	8,427	4,964	455,315.00	7,823	0
31	2/5/2017	101	8,205	9,077	4,694	455,109.00	7,564	0
32	2/6/2017	94	8,011	9,128	5,241	459,555.00	10,344	0
								0
								0

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/19/2017
Job End Date:	2/6/2017
State:	West Virginia
County:	Wetzel
API Number:	47-103-02733-00-00
Operator Name:	EQT Production
Well Name and Number:	513923
Latitude:	39.55221600
Longitude:	-80.60578100
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,540
Total Base Water Volume (gal):	11,703,594
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
CI-3	C and J Energy Services	Corrosion Inhibitor		Listed Below			
NI-200	ECM Supply	Friction Reducing Agent		Listed Below			
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				Silica Substrate	14808-60-7	100.00000	12.86659	None
				Water	7732-18-5	50.00000	0.03444	
				Water	7732-18-5	50.00000	0.03444	None
				Hydrochloric Acid	7647-01-0	15.00000	0.02219	None
				Copolymer of Two Propenamide	69418-26-4	30.00000	0.02066	
				Copolymer of Two Propenamide	69418-26-4	30.00000	0.02066	None
				Petroleum Distillate	64742-47-8	20.00000	0.01378	None
				Petroleum Distillate	64742-47-8	20.00000	0.01378	
				Sodium chloride	7647-14-5	100.00000	0.00937	None
				Sodium chloride	7647-14-5	100.00000	0.00937	
				Calcium nitrate.4H2O	13477-34-4	100.00000	0.00875	
				Calcium nitrate.4H2O	13477-34-4	100.00000	0.00875	None
				Trade Secret	Proprietary	7.00000	0.00166	None
				Alcohols, C-12-16, Ethoxylated	68551-12-2	2.00000	0.00138	None
				Oleic Acid Diethanolamide	93-83-4	2.00000	0.00138	None
				Oleic Acid Diethanolamide	93-83-4	2.00000	0.00138	
				Alcohols, C-12-16, Ethoxylated	68551-12-2	2.00000	0.00138	
				Ammonium Chloride ((NH4)Cl)	12125-02-9	1.00000	0.00069	
				Ammonium Chloride ((NH4)Cl)	12125-02-9	1.00000	0.00069	None
				Distillates (petroleum), Hydrotreated Light	64742-47-8	60.00000	0.00067	None
				Distillates (petroleum), Hydrotreated Light	64742-47-8	60.00000	0.00067	
				Guar Gum	9000-30-0	60.00000	0.00067	None
				Guar Gum	9000-30-0	60.00000	0.00067	
				Ammonium Chloride	12125-02-9	2.00000	0.00048	None
				Monoethanolamine hydrochloride	2002-24-6	2.00000	0.00048	None

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			Sodium nitrate	7631-99-4	5.00000	0.00047	
			Sodium nitrate	7631-99-4	5.00000	0.00047	None
			Ammonium Persulfate	7727-54-0	85.00000	0.00025	
			Ammonium Persulfate	7727-54-0	85.00000	0.00025	None
			Methanol	67-56-1	1.00000	0.00024	None
			Ethylene Glycol	107-21-1	40.00000	0.00012	None
			Surfactants	Proprietary	10.00000	0.00011	
			Surfactants	Proprietary	10.00000	0.00011	None
			Dimethylformamide	68-12-2	20.00000	0.00006	None
			Tar Bases, Quinoline Derivs., Benzyl Chloride-quaternized	72480-70-7	15.00000	0.00004	
			2-butoxyethanol	111-76-2	15.00000	0.00004	None
			Cinnamaldehyde	104-55-2	15.00000	0.00004	
			Cinnamaldehyde	104-55-2	15.00000	0.00004	None
			Tar Bases, Quinoline Derivs., Benzyl Chloride-quaternized	72480-70-7	15.00000	0.00004	None
			Cured Resin	Proprietary	13.00000	0.00004	None
			Cured Resin	Proprietary	13.00000	0.00004	
			4-nonylphenol, Branched, Ethoxylated	127087-87-0	5.00000	0.00001	
			1-decanol	112-30-1	5.00000	0.00001	None
			1-decanol	112-30-1	5.00000	0.00001	
			4-nonylphenol, Branched, Ethoxylated	127087-87-0	5.00000	0.00001	None
			Isopropanol	67-63-0	2.50000	0.00001	
			Isopropanol	67-63-0	2.50000	0.00001	None
			1-octanol	111-87-5	2.50000	0.00001	None
			1-octanol	111-87-5	2.50000	0.00001	
			Triethyl Phosphate	78-40-0	2.50000	0.00001	
			Triethyl Phosphate	78-40-0	2.50000	0.00001	None
			Silica - Crystalline, Quartz	14808-60-7	1.00000	0.00000	None

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			Silica - Crystalline, Quartz	14808-60-7	1.00000	0.00000
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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)

RECEIVED
 Office of Oil and Gas
 MAY 19 2017
 WV Department of
 Environmental Protection

WV 513923
EQT Production Company
Mills-Wetzel Land, Inc.
659 Acres

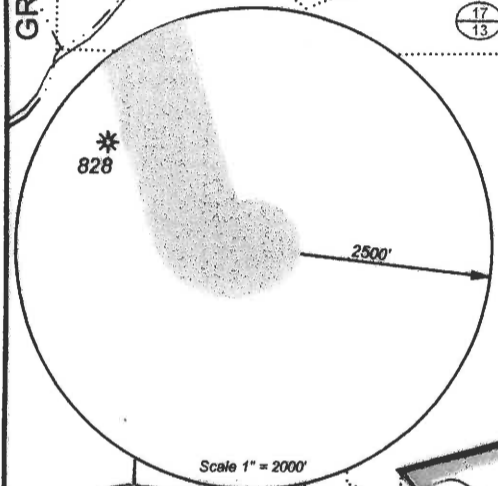
6330'
 LATITUDE 39 - 35 - 00

LONGITUDE 80 - 35 - 00
 11320'

As-Drilled Well Information:
WV 513923 coordinates are
 NAD 27 N: 385,158.34 E: 1,688,205.06
 NAD 83 UTM N: 4,378,142.97 E: 533,885.06
WV 513923 Landing Point coordinates are
 NAD 27 N: 385,151.92 E: 1,687,713.53
 NAD 83 UTM N: 4,378,138.51 E: 533,735.34
WV 513923 Bottom Hole coordinates are
 NAD 27 N: 391,163.51 E: 1,685,938.27
 NAD 83 UTM N: 4,379,960.96 E: 533,163.98
 West Virginia Coordinate system of 1927 (North Zone)
 based upon Differential GPS Measurements.
 Plat orientation, corner and well ties are based upon
 the grid north meridian.
 Well location references are based upon the grid north
 meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

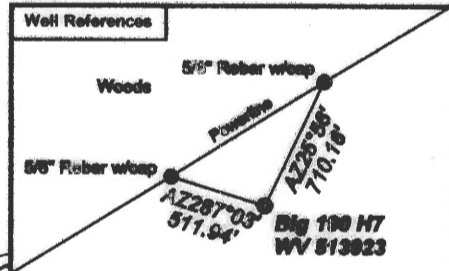
- Big 190**
- H1, 513504 ●
 - H2, 513505 ●
 - H3, 513506 ●
 - H4, 513507 ●
 - H5, 513508 ●
 - H7, 513923 ●
 - H8, 513924 ●
 - H9, 513925 ●
 - H11, 513927 ●
 - H12, 513928 ●
 - H13, 513930 ●

GRID NORTH



- Proposed Gas Well
- Located Corner, as noted
- - - Surface Tract Lines
- - - Reference Line
- Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑤ WV State Route

(●) Denotes Location of Well on United States Topographic Maps 1" = 1000'



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: 196-34-G-10
 DRAWING NO: 196-10 Big 190 H7
 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: May 4 20 17
 OPERATOR'S WELL NO.: 513923
 API WELL NO
 47 - 103 - 02732
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1473.5' (As-built) WATERSHED Upper Run and North Fork QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel
 SURFACE OWNER: Coastal Forest Resources Co. f/k/a Coastal Lumber Company ACREAGE: 1636.5
 ROYALTY OWNER: Mills-Wetzel Land, Inc. LEASE NO: 988530 ACREAGE: 659
 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 = 7,800
 BVD = 15,280

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