

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

API 47-103-03295 County WETZEL District GRANT
Quad BIG RUN Pad Name BIG333 Field/Pool Name N/A
Farm name COASTAL FOREST RESOURCES COMPANY D/B/A COSTAL TIMBERLANDS COMPANY Well Number BIG333H13 (519711)
Operator (as registered with the OOG) EQT Production Company
Address 625 LIBERTY AVENUE, 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 4,375,118.95 Easting 535,093.53
Landing Point of Curve Northing 4,374,971.14 Easting 534,621.76
Bottom Hole Northing 4,375,851.30 Easting 534,225.26

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) Synthetic Based Mud 12.2 ppg, barium sulfate, salt, lime, organophilic clay, gibsonite, anionic emulsifier, polyamide emulsifier, organic polymeric viscosifier, oil soluble sulfonated surfactant, surfactant, thinner, calcium carbonate, walnut shells, cellulose, blend of deformable latex polymers

Date permit issued 4/26/2019 Date drilling commenced 5/17/2019 Date drilling ceased 6/11/2019
Date completion activities began 4/21/2020 Date completion activities ceased 5/23/2020
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

Freshwater depth(s) ft 581,763 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 753, 893, 929, 1021, 1250, 1343 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
DWH 10/27/20

API 47-103 - 03295

Farm name COASTAL FOREST RESOURCES COMPANY D/B/A COASTAL TIMBERLANDS.COM

Well number **BIG333H13 (519711)**

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 85.6#	N/A	Y
Surface	17-1/2"	13-3/8"	1009'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-3/8" & 12-1/4"	9-5/8"	3047'	NEW	A-500 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5 1/2"	12002'	NEW	HPP-110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has calculated TOC of 1972' MD, which is greater than 500' TVD above the producing formation. No issues during cement job.

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	83	15.6	1.18	98	0	8+
Surface	CLASS A	810	15.6	1.21	980	0	8
Coal							
Intermediate 1	CLASS A	1030	15.6	1.18	1215	0	8
Intermediate 2							
Intermediate 3							
Production	Class A	2170	15.2	1.10	2387	1972'	8+
Tubing							

Drillers TD (ft) 12014' 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) 5453' 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: ON SHOE TRACK AND EVERY 500' FEET TO SURFACE
 INTERMEDIATE: ON SHOE TRACK AND EVERY 500' FEET TO SURFACE
 PRODUCTION: ON SHOE TRACK AND EVERY JOINT TO 4594'

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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 - 03295 Farm name COASTAL FOREST RESOURCES COMPANY DB/A COSTAL TIMBERLANDS CI Well number BIG333H13 (519711)

PERFORATION RECORD

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

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)

See Attached

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Please insert additional pages as applicable.

519711 47-103-03295-00-00 Perforations

Stage Number	Perforation Date	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Number of Shots	Formation
1	4/21/20 2:22 AM	11,927	11,979	16	MARCELLUS
2	4/21/20 7:20 AM	11,716	11,902	40	MARCELLUS
3	4/21/20 11:43 AM	11,510	11,696	40	MARCELLUS
4	4/21/20 3:18 PM	11,304	11,490	40	MARCELLUS
5	4/21/20 6:59 PM	11,098	11,284	40	MARCELLUS
6	4/21/20 10:35 PM	10,892	11,078	40	MARCELLUS
7	4/22/20 1:57 AM	10,686	10,872	40	MARCELLUS
8	4/22/20 5:18 AM	10,480	10,666	40	MARCELLUS
9	4/22/20 8:55 AM	10,274	10,460	40	MARCELLUS
10	4/22/20 12:26 PM	10,068	10,254	40	MARCELLUS
11	4/22/20 3:48 PM	9,862	10,048	40	MARCELLUS
12	4/22/20 7:05 PM	9,656	9,842	40	MARCELLUS
13	4/22/20 10:20 PM	9,450	9,636	40	MARCELLUS
14	4/23/20 1:33 AM	9,244	9,430	40	MARCELLUS
15	4/23/20 4:50 AM	9,038	9,224	40	MARCELLUS
16	4/23/20 8:08 AM	8,832	9,018	40	MARCELLUS
17	4/23/20 11:17 AM	8,626	8,812	40	MARCELLUS
18	4/23/20 2:28 PM	8,420	8,606	40	MARCELLUS
KP	4/23/20 6:42 PM	8,320	8,322	0	MARCELLUS

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519711 47-103-03295-00-00 Stimulation 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	4/21/20 2:22 AM	65.00	8,002	9,400	96	176,021	4,443	0
2	4/21/20 8:29 AM	92.00	8,125	8,561	2,829	443,133	9,789	0
3	4/21/20 12:28 PM	100.00	7,668	7,949	2,955	444,281	9,720	0
4	4/21/20 4:09 PM	100.00	7,749	7,989	2,761	440,437	9,645	0
5	4/21/20 7:46 PM	100.00	7,632	7,821	2,805	440,370	9,655	0
6	4/21/20 11:15 PM	101.00	7,965	8,314	2,829	440,163	9,720	0
7	4/22/20 2:37 AM	101.00	8,083	8,428	2,865	440,250	9,695	0
8	4/22/20 6:00 AM	100.00	8,040	8,170	2,852	443,059	9,681	0
9	4/22/20 9:37 AM	101.00	7,900	8,080	2,870	440,351	9,623	0
10	4/22/20 1:00 PM	100.00	7,842	8,055	2,798	440,323	9,575	0
11	4/22/20 4:24 PM	100.00	7,814	8,001	2,910	440,234	9,605	0
12	4/22/20 7:42 PM	100.00	7,894	8,408	2,918	440,443	9,583	0
13	4/22/20 10:52 PM	101.00	7,850	8,325	2,992	444,982	9,588	0
14	4/23/20 2:11 AM	100.00	7,873	8,608	2,913	440,424	9,642	0
15	4/23/20 5:29 AM	100.00	7,868	8,048	2,938	441,659	9,506	0
16	4/23/20 8:38 AM	100.00	7,847	8,280	2,988	441,942	9,516	0
17	4/23/20 11:49 AM	100.00	7,857	8,790	3,046	441,956	9,555	0
18	4/23/20 3:05 PM	101.00	7,496	8,017	2,976	442,733	9,385	0

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/21/2020
Job End Date:	4/23/2020
State:	West Virginia
County:	Wetzel
API Number:	47-103-03295-00-00
Operator Name:	EQT Production
Well Name and Number:	BIG333H13(519711)
Latitude:	39.52500300
Longitude:	-80.59169038
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,643
Total Base Water Volume (gal):	7,052,892
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	EQT	Carrier/Base Fluid	Water	7732-18-5	100.00000	88.32067	None
Sand (Proppant)	EQT	Proppant	Silica Substrate	14808-60-7	100.00000	11.52885	None
FR-9800	ChemStream	Friction Reducer	Copolymer of 2-propenamide	Proprietary	30.00000	0.01423	None
			Petroleum Distillate	64742-47-8	20.00000	0.00949	None
			Oleic Acid Diethanolamide	93-83-4	2.00000	0.00095	None
			Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00095	None
			Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00047	None
Clearal 268	ChemStream	Biocide	Non-hazardous substances	Proprietary	90.00000	0.01290	None
			Glutaraldehyde	111-30-8	20.00000	0.00287	None
			Alkyl dimethyl benzyl ammonium chloride	68391-01-5	3.00000	0.00043	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00043	None
Hydrochloric Acid (HCl)	Stingray	Acid					

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			Hydrogen Chloride	7647-01-0	15.00000	0.01185	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Non-hazardous substances	Proprietary	90.00000	0.00848	None
			Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid)(BHMT)	34690-00-1	10.00000	0.00094	None
NEFE-180	Stingray	Acid Inhibitor/Iron Control					
			Acetic Acid	64-19-7	60.00000	0.00015	None
			Methanol	67-56-1	30.00000	0.00008	None
			2-Ethylhexanol	104-76-7	7.50000	0.00002	None
			Alcohols, C15-15, ethoxylated	68951-67-7	3.00000	0.00001	None
			2-Propyn-1-ol	107-19-7	3.00000	0.00001	None
			Cocunut Oil Acid diethanolamine	68603-42-9	3.00000	0.00001	None
			Fatty Acids, tall oil	61790-12-3	3.00000	0.00001	None
			Olefin	64743-02-8	3.00000	0.00001	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.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Non-hazardous substances	Proprietary	90.00000	0.01290	
			Petroleum Distillate	64742-47-8	20.00000	0.00949	
			Non-hazardous substances	Proprietary	90.00000	0.00848	
			Oleic Acid Diethanolamide	93-83-4	2.00000	0.00095	
			Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00095	
			Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00047	
			Alkyl dimethyl benzyl ammonium chloride	68391-01-5	3.00000	0.00043	
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00043	
			Methanol	67-56-1	30.00000	0.00008	
			2-Ethylhexanol	104-76-7	7.50000	0.00002	
			Alcohols, C15-15, ethoxylated	68951-67-7	3.00000	0.00001	
			Olefin	64743-02-8	3.00000	0.00001	
			Cocunut Oil Acid diethanolamine	68603-42-9	3.00000	0.00001	
			Fatty Acids, tall oil	61790-12-3	3.00000	0.00001	
			2-Propyn-1-ol	107-19-7	3.00000	0.00001	

* 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)

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API 47- 103 - 03295 Farm name COASTAL FOREST RESOURCES COMPANY D/B/A COASTAL TIMBERLANDS COMP Well number BIG333H13 (519711)

PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface NA psi Bottom Hole NA psi DURATION OF TEST No SI hrs

OPEN FLOW Gas 5051 mcfpd Oil 0 bpd NGL 0 bpd Water 251 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 Pioneer
Address 1083 North Eighty-Eight Road City Rices Landing State PA Zip 15357

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Logging Company Baker Hughes
Address 400 Technology Drive - Suite 100 City Cannonsburg State PA Zip 15317

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Cementing Company Halliburton
Address 121 Champion Way Suite 110 City Canonsburg State PA Zip 15317

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Stimulating Company Stingray Pressure Pumping LLC
Address 2150 Town Square Place, Suite 410 City Oklahoma City State OK Zip 77479

Please insert additional pages as applicable.

Completed by Adam Hughey Telephone 724-579-5475
Signature [Signature] Title Director of Completions Date 8/21/2020

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

API 47- 103 - 03295 Farm name COASTAL FOREST RESOURCES COMPANY DB/A COSTAL TIMBERLANDS CI Well number BIG333H13 (519711)

Drilling Contractor _____
Address _____ City _____ State _____ Zip _____

Logging Company Gyrodatta Inc.
Address 73 Noblestown Road City Carnegie State PA Zip 15106

Logging Company Scientific Drilling International
Address 124 Vista Drive City Charleroi State PA Zip 15022

Cementing Company _____
Address _____ City _____ State _____ Zip _____

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API #47-103-03295 Final Formations Well# BIG333H13 (519711)

Formation Name	Drill Top MD (ftKB)	Drill Top (TVD) (ftKB)	Drill Btm MD (ftKB)	Drill Btm (TVD) (ftKB)
SAND/SHALE	1	1	753	753
WASHINGTON COAL	753	753	755	755
SAND/SHALE	755	755	893	893
WAYNESBURG COAL	893	893	895	895
SAND/SHALE	895	895	929	929
COAL	929	929	930	930
SAND/SHALE	930	930	1021	1021
UNIONTOWN COAL	1021	1021	1022	1022
SAND/SHALE	1022	1022	1250	1250
PITTSBURGH COAL	1250	1250	1255	1255
SAND/SHALE	1255	1255	1343	1343
COAL	1343	1343	1347	1347
SAND/SHALE	1347	1347	2536	2532
BIG LIME	2536	2532	2631	2627
SAND/SHALE	2631	2627	2646	2641
BIG INJUN	2646	2641	2753	2748
SAND/SHALE	2753	2748	2885	2879
WEIR	2885	2879	3002	2996
SAND/SHALE	3002	2996	3295	3289
GANTZ	3295	3289	3350	3344
SAND/SHALE	3350	3344	3391	3385
FIFTY FOOT	3391	3385	3441	3435
SAND/SHALE	3441	3435	3452	3446
THIRTY FOOT	3452	3446	3485	3479
SAND/SHALE	3485	3479	3510	3504
GORDON	3510	3504	3526	3520
SAND/SHALE	3526	3520	3544	3538
FOURTH SAND	3544	3538	3554	3548
SAND/SHALE	3554	3548	3571	3565
FIFTH SAND	3571	3565	3610	3604
SAND/SHALE	3610	3604	3637	3631
BAYARD	3637	3631	3671	3665
SAND/SHALE	3671	3665	4039	4033
SPEECHLEY	4039	4033	4107	4101
SAND/SHALE	4107	4101	4122	4116
BALLTOWN A	4122	4116	4260	4254
SAND/SHALE	4260	4254	5015	5009
RILEY	5015	5009	5074	5068
SAND/SHALE	5074	5068	5580	5574
BENSON	5580	5574	5673	5665
SAND/SHALE	5673	5665	5975	5936
ALEXANDER	5975	5936	6022	5973
ELKS	6022	5973	7641	7193
SONYEA	7641	7193	7855	7354
MIDDLESEX	7855	7354	7926	7404
GENESEE	7926	7404	8059	7487
GENESEO	8059	7487	8111	7514
TULLY	8111	7514	8154	7534
HAMILTON	8154	7534	8416	7622
MARCELLUS	8416	7622	12014	7643

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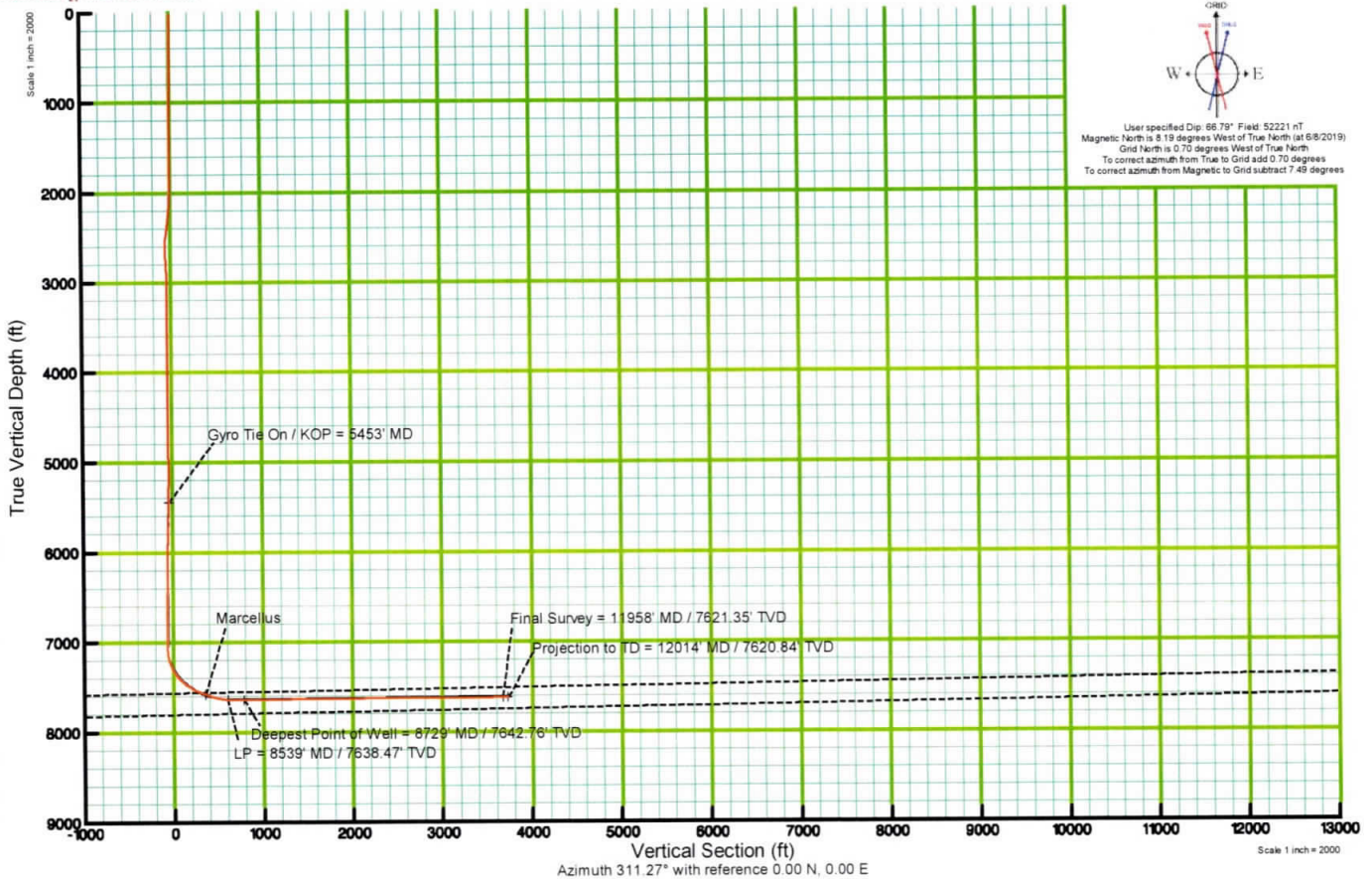
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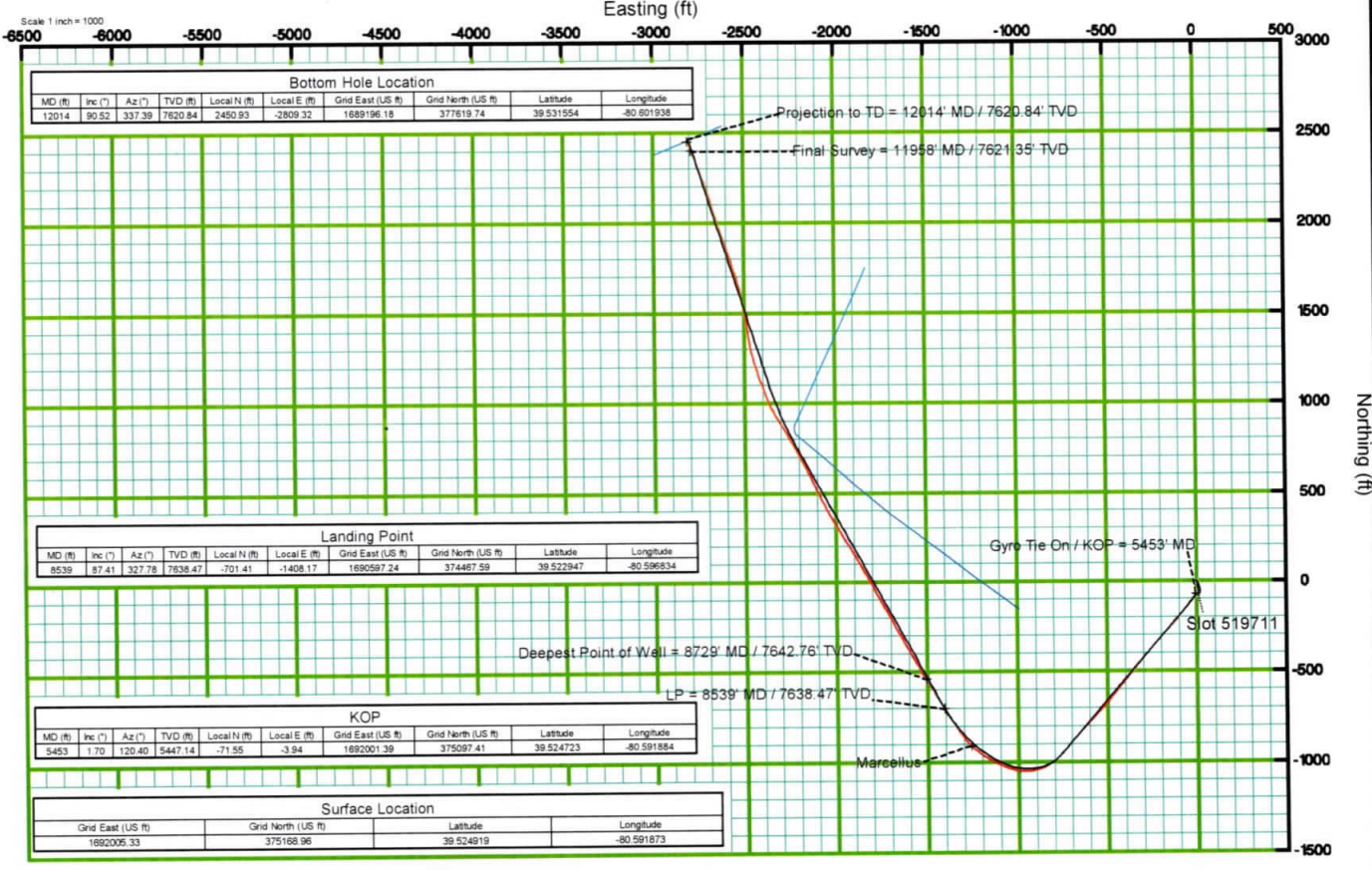
Where energy meets innovation.

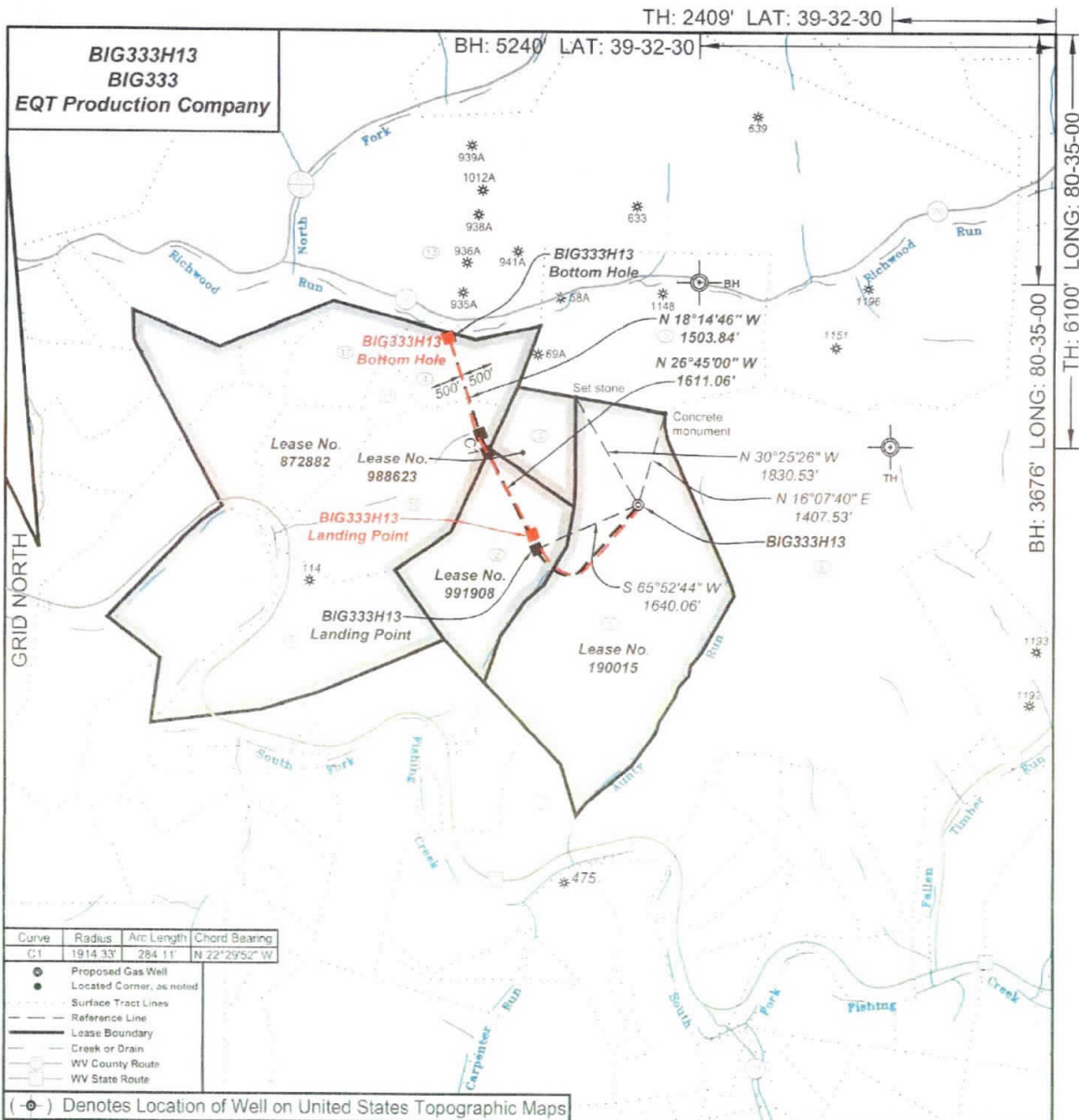
Ground elevation = 1452 ft
KB elevation = 1475 ft
All measurements are taken from KB elevation

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User specified Dip: 66.79° Field 52221 nT
 Magnetic North is 8.19 degrees West of True North (at 6/8/2019)
 Grid North is 0.70 degrees West of True North
 To correct azimuth from True to Grid add 0.70 degrees
 To correct azimuth from Magnetic to Grid subtract 7.49 degrees





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. Sotter
P.S. 2092



FILE NO. 33-15
DRAWING NO. 33-15 BIG333H13
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: June 18 20 19
OPERATOR'S WELL NO.: BIG333H13
API WELL NO.
47 - 103 - 03295
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built - 1451' 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: Equitrans, Inc. 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: 7,643'

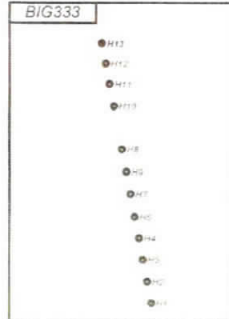
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
ADDRESS: 2400 Ansys Drive, Suite 200 ADDRESS: 115 Professional Place PO Box 280
Canonsburg, PA 15317 Bridgeport, WV 26330

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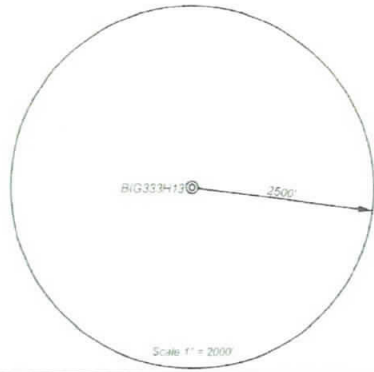
BIG333H13
BIG333
EQT Production Company

Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	23	13	Wetzel	Grant	Coastal Forest Resources Co.	293.69
2	23	12	Wetzel	Grant	Larry Larow, et al	104.80
3	23	9	Wetzel	Grant	Larry Larow, et al	31.60
4	23	4	Wetzel	Grant	Dalison Lumber, Inc.	36.10
5	23	5	Wetzel	Grant	Al Wyatt Hiers	174.68
6	23	14	Wetzel	Grant	Richard B. Dalison, et al	870.30
7	28	8	Wetzel	Grant	Joseph W. Galin	112.90
8	28	6	Wetzel	Grant	Joseph W. Galin	150.74
9	23	11.4	Wetzel	Grant	Richard & Roxanne Funk, et al	88.21
10	23	8	Wetzel	Grant	Richard & Roxanne Funk, et al	113.81
11	23	3	Wetzel	Grant	Dalison Lumber, Inc.	10.00
22	23	2	Wetzel	Grant	Billy Duwayne Armbrist, Jr	38.80
13	17	14	Wetzel	Grant	Coastal Forest Resources Co.	1627.68

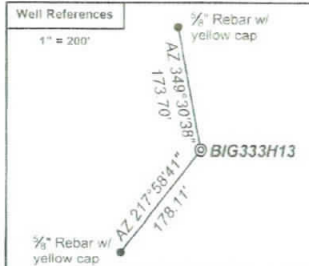
As-Drilled Well Info:
BIG333H13 coordinates are
NAD 27 N: 375,168.97 E: 1,692,005.33
NAD 83 UTM N: 4,375,118.95 E: 535,093.53
BIG333H13 Landing Point coordinates are
NAD 27 N: 374,709.83 E: 1,690,449.18
NAD 83 UTM N: 4,374,971.14 E: 534,621.76
BIG333H13 Bottom Hole coordinates are
NAD 27 N: 377,619.74 E: 1,689,196.16
NAD 83 UTM N: 4,375,851.30 E: 534,225.26
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



Lease No.	Acres	Owner
991908	104.6	Brian C. Fox, et al
988623	31.5	Larry Larow, et al
872882	436	Shiben Estates



- 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.

Brian R. Soter
P.S. 2092



FILE NO: 33-15
DRAWING NO: 33-15 BIG333H13
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: June 18, 2019
OPERATOR'S WELL NO.: BIG333H13
API WELL NO: 47 - 103 - 03295
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built - 1451' WATERSHED: Anty 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: Equitrans, Inc. 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: 7,643'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
ADDRESS: 2400 Ansys Drive, Suite 200 ADDRESS: 115 Professional Place PO Box 280
Canonsburg, PA 15317 Bridgeport, WV 26330

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Office of Oil and Gas
AUG 24 2020
WV Department of
Environmental Protection