

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

API 47 - 051 - 01983 County Marshall District Franklin
Quad Powhatan Point Pad Name Corley Field/Pool Name _____
Farm name Corley, James A. and Jill C. Well Number Corley N-9HU
Operator (as registered with the OOG) Tug Hill Operating, LLC
Address 1320 S. University Drive, Suite 215 City Ft. Worth State TX Zip 76107

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,400,360.40 Easting 520,289.26
Landing Point of Curve Northing 4,400,313.35 Easting 520,167.76
Bottom Hole Northing 4,402,557.30 Easting 518,863.64

Elevation (ft) 1254.50' 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

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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)
SOBM; Base oil, osmotic inhibitor, weighting agent, viscosifier, emulsifier, hardness buffer, fluid loss additive, LCM, shale inhibitor, de-foamer, soaping agent, coagulant, flocculant; Specific additives per WSSP and Permit.

Date permit issued 4/9/2018 Date drilling commenced 4/14/2018 Date drilling ceased 11/16/2018
Date completion activities began 12/21/2018 Date completion activities ceased 2/23/2019
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 865' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1595' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 974 - 980', 1064 - 1072' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
Jane Weisbach
7/24/2020

API 47-051 - 01983 Farm name Corley, James A. and Jill C. Well number Corley N-9HU

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	36"	30"	120'	NEW	BW	N/A	Y
Surface	26"	20"	1,004'	NEW	106.5#	N/A	Y
Coal							
Intermediate 1	17 1/2"	13 3/8"	2,831'	NEW	54.5#	N/A	Y
Intermediate 2	12 1/4"	9 5/8"	10,292'	NEW	47#	N/A	Y
Intermediate 3							
Production	8 3/4"	5 1/2"	20,265'	NEW	20#	N/A	Y
Tubing		2 3/8"	10,133'	NEW	4.7#	N/A	
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	A		15.6	1.2		0	8
Surface	A	1763	15.6	1.2	2095	0	8
Coal						0	8
Intermediate 1	A	2148	15.6	1.19	2691	0	8
Intermediate 2	A	2291	14.5	1.19	4170	0	8
Intermediate 3							
Production	A	4810	16.5	1.17	5082	0	8
Tubing							

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Drillers TD (ft) 20,287' Loggers TD (ft) n/a
 Deepest formation penetrated Point Pleasant Plug back to (ft) n/a
 Plug back procedure n/a

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Kick off depth (ft) 10,681'

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 3 centralizers on surface casing at equal distance.
Intermediate - 1 centralizer every third joint.
 Production - 1 centralizer every third joint in lateral, one centralizer every joint through curve, one centralizer every third joint to surface.

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- 051 - 01983 Farm name Corley, James A. and Jill C. Well number Corley N-9HU

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.

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STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

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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)
	*attached							

Please insert additional pages as applicable.

API 47- 051 - 01983 Farm name Corley, James A. and Jill C. Well number Corley N-9HU

PRODUCING FORMATION(S)	DEPTHS	
Point Pleasant	11,407'-11,290'	TVD 11,641'-20,287' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 8000 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 500 mcfpd Oil 0 bpd NGL 0 bpd Water 550 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 ₂ S, ETC)
*See attachment	0		0		

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Please insert additional pages as applicable.

Drilling Contractor Precision Drilling
Address 10350 Richmond Avenue, Suite 700 City Houston State TX Zip 77042

Logging Company n/a
Address _____ City _____ State _____ Zip _____

Cementing Company C&J Well Services
Address 380 Southpointe Boulevard, Suite 210 City Canonsburg State PA Zip 15317

Stimulating Company Halliburton Energy Services, Inc.
Address 121 Champion Way, Suite 200 City Canonsburg State PA Zip 15317

Please insert additional pages as applicable.

Completed by Amy L. Miller Telephone 304-376-0111
Signature  Title Permitting Specialist Date 4-26-2020

**Corley N-9HU
PEFORATION RECORD**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	12/23/2018	20112	20164	24	Utica
2	12/26/2018	19849	19998	48	Utica
3	12/28/2018	19650	19799	48	Utica
4	12/28/2018	19451	19600	48	Utica
5	12/29/2018	19252	19401	48	Utica
6	12/29/2018	19053	19202	48	Utica
7	12/30/2018	18854	19003	48	Utica
8	12/30/2018	18655	18804	48	Utica
9	12/31/2018	18456	18605	48	Utica
10	12/31/2018	18257	18406	48	Utica
11	12/31/2018	18058	18207	48	Utica
12	1/1/2019	17859	18008	48	Utica
13	1/1/2019	17660	17809	48	Utica
14	1/2/2019	17461	17610	48	Utica
15	1/2/2019	17262	17411	48	Utica
16	1/3/2019	17063	17212	48	Utica
17	1/3/2019	16864	17013	48	Utica
18	1/3/2019	16665	16814	48	Utica
19	1/4/2019	16466	16615	48	Utica
20	1/4/2019	16267	16416	48	Utica
21	1/5/2019	16068	16217	48	Utica
22	1/5/2019	15869	16018	48	Utica
23	1/5/2019	15670	15819	48	Utica
24	1/6/2019	15471	15620	48	Utica
25	1/6/2019	15272	15421	48	Utica
26	1/7/2019	15073	15222	48	Utica
27	1/8/2019	14874	15023	48	Utica
28	1/8/2019	14675	14824	48	Utica
29	1/8/2019	14476	14625	48	Utica
30	1/9/2019	14277	14426	48	Utica
31	1/9/2019	14078	14227	48	Utica
32	1/9/2019	13879	14028	48	Utica
33	1/10/2019	13680	13829	48	Utica
34	1/10/2019	13481	13630	48	Utica
35	1/11/2019	13282	13431	48	Utica
36	1/11/2019	13083	13232	48	Utica
37	1/12/2019	12884	13033	48	Utica
38	1/13/2019	12685	12834	48	Utica
39	1/14/2019	12486	12635	48	Utica
40	1/15/2019	12287	12436	48	Utica
41	1/15/2019	12088	12237	48	Utica

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Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
42	1/15/2019	11889	12038	48	Utica
43	1/16/2019	11690	11839	48	Utica

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STIMULATION INFORMATION PER STAGE

Stage No.	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	84.7	11035	NA	22900	400280	9194	0
2	78.1	11749	8407	22490	496920	12621	0
3	80.1	11306	9863	22205	499460	11252	0
4	84.2	10985	9463	22665	499740	11271	0
5	85.4	10830	8937	22661	497180	11084	0
6	85.8	10581	8789	22246	502420	11342	0
7	83.3	10367	8740	21176	498380	11302	0
8	80.5	10197	8663	20114	496290	12733	0
9	83.5	10189	8482	20862	500510	11066	0
10	82.3	10336	8661	20849	498810	11202	0
11	82.7	10542	8411	21355	501620	11278	0
12	81	10494	8199	20844	500510	11145	0
13	83	10869	8096	22122	501480	11060	0
14	80.2	10494	8285	20630	499240	11217	0
15	82.3	10179	8730	20540	503260	11422	0
16	83.3	10191	8475	20817	499000	10598	0
17	81.1	10107	8116	20095	497270	11249	0
18	83.3	10021	8198	20464	500070	10043	0
19	82.6	10203	9098	20646	504290	10182	0
20	80.3	10112	9632	19912	499410	10189	0
21	83.3	10060	9008	20537	496920	9921	0
22	80.3	10093	8605	19864	497680	9936	0
23	83	10072	8818	20492	490030	9830	0
24	82.8	10216	8619	20720	533540	9859	0
25	83	10191	9697	20732	497470	9825	0
26	82.9	10172	9035	20676	502200	10010	0
27	83	10165	9402	20686	501420	9856	0
28	82.8	10443	9633	21188	496520	11334	0
29	83.1	10563	9633	21514	494610	10000	0

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Stage No.	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)
30	83.4	10189	8785	20828	496130	10015	0
31	82.9	10307	8897	20953	502800	11344	0
32	83.8	10155	8643	20858	497710	10139	0
33	83	10318	9208	20995	494800	9713	0
34	85.5	10514	8433	22020	495040	10095	0
35	83.5	10332	9302	21148	494250	9974	0
36	83	10402	8923	21158	492180	9913	0
37	83.9	9977	8675	20504	493570	10335	0
38	83.3	9992	8513	20388	496000	9862	0
39	83.6	10103	8847	20701	500010	9832	0
40	83.1	9826	8150	20001	499570	8871	0
41	82.5	9975	9360	20170	501760	8653	0
42	83	10178	9228	20705	499960	9894	0
43	83.3	9988	8908	20392	499030	8703	0

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CORLEY N-9HU

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
Maxton	1967	2061	1970	2065	Sandstone
Big Lime	2061	2103	2065	2108	Limestone
Big Injun	2103	2420	2108	2427	Sandstone
Weir	2420	2599	2427	2607	Sandstone
Berea	2599	2879	2607	2890	Sandstone
Gordon	2879	2943	2890	2954	Sandstone
Fifty Foot	2943	3543	2954	3556	Sandstone
Speechley	3543	4957	3556	4978	Sandstone
Benson	4957	5333	4978	5356	Sandstone
Alexander	5333	5965	5356	5990	Siltstone
Rhinestreet	5965	6394	5990	6420	Black shale
Middlesex	6394	6468	6420	6494	Black shale
Geneseo/Burkett	6468	6495	6494	6521	Black shale
Tully	6495	6531	6521	6557	Limestone
Hamilton	6531	6590	6557	6617	Grey shale
Marcellus	6590	6641	6617	6668	Black shale
Onondaga	6641	6873	6668	6901	Limestone
Oriskany	6873	6976	6901	7004	Sandstone
Helderberg	6976	7345	7004	7375	Limestone
Salina	7345	8391	7375	8426	Salt/Anhydrite/LS
Lockport	8391	8766	8426	8802	Dolomite
Rose Hill	8766	9037	8802	9074	Shale
Packer Shell	9037	9245	9074	9282	Limestone
Clinton/Tuscarora	9245	9348	9282	9386	Sandstone
Juniata/Queenston	9348	10182	9386	10224	Red Shale
Reedsville	10182	11100	10224	11185	Grey Shale
Utica	11100	11359	11185	11540	Black Shale
Point Pleasant	11359	-	11540	-	Shale/Limestone

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Well: Corley N-09HU (slot K)
Site: Corley Pad
Project: Marshall County, West Virginia.
Design: rev4
Rig: Precision 110

Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD83 West Virginia - HARN
 Ellipsoid: GRS 1980
 Zone: Zone 17N (84 W to 78 W)

System Datum: Mean Sea Level
Depth Reference: RXB=1254+27 @ 1281.00usft (Precision 110)
Surface location
 Northing: 14436848.71 Easting: 1706982.22 Latitude: 39.75291217 Longitude: -80.76316070

Total Corr (M->G): To convert a Magnetic Direction to a Grd Direction, Subtract 8.80°



Azimuths to Grid North
 True North: -0.15°
 Magnetic North: -8.80°
 Magnetic Field
 Strength: 32137.3anT
 Dip Angle: 66.32°
 Date: Feb2017
 Model: IGRF2015



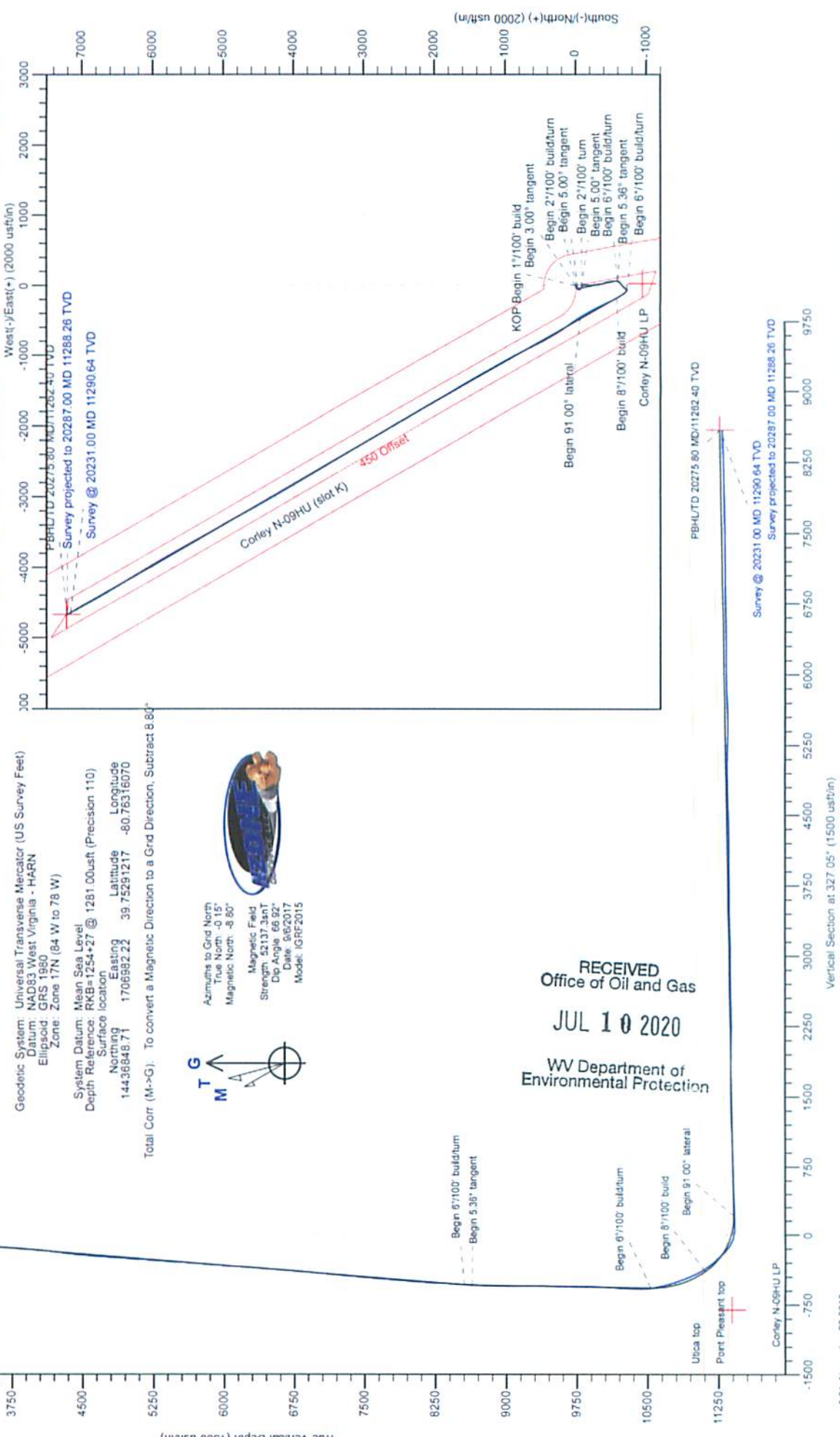
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SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Deg	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	KOP Begin 1'1/100' build
3	1300.00	3.00	240.00	1299.86	-3.93	-6.80	1.00	0.40	Begin 3.00' tangent
4	1800.00	3.00	240.00	1799.18	-17.01	-29.46	0.00	1.75	Begin 2'1/100' build/turn
5	2017.85	5.00	180.00	2016.57	-29.36	-34.40	2.00	-96.51	Begin 5.00' tangent
6	2530.23	5.00	180.00	2527.00	-74.02	-34.40	0.00	-43.39	Begin 2'1/100' turn
7	2579.52	5.00	168.67	2576.11	-78.27	-33.98	2.00	-85.64	Begin 5.00' tangent
8	8579.52	5.00	228.84	8553.28	-59.101	68.78	6.00	-53.32	Begin 6'1/100' build/turn
9	8663.54	5.36	228.84	8637.00	-59.29	66.61	6.00	-53.42	Begin 5.36' tangent
10	10564.86	35.48	330.00	10530.01	-71.879	-62.95	0.00	-568.89	Begin 6'1/100' build/turn
11	11181.55	35.48	330.00	11108.40	-57.867	-177.41	6.00	110.18	Begin 8'1/100' build
12	11875.80	91.00	330.00	11409.00	-62.64	-475.34	8.00	0.00	Begin 91.00' lateral
13	20275.80	91.00	330.00	11262.40	7210.86	-4674.70	0.00	0.00	PBH/UTD 20275.80 MD/11262.40 TVD

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
282.00	1.00	184.70	281.99	-2.45	-0.20	-1.95	MWD surveys
20231.00	92.44	330.81	11290.64	7158.79	-4649.93	8536.40	Survey @ 20231.00 MD 11290.64 TVD
20287.00	92.44	330.81	11288.26	7207.64	-4677.22	8592.23	Survey projected to 20287.00 MD 11288.26 TVD



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/23/2018
Job End Date:	1/16/2019
State:	West Virginia
County:	Marshall
API Number:	47-051-01983-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Corley N 9HU
Latitude:	39.75291217
Longitude:	-80.76316070
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11,295
Total Base Water Volume (gal):	19,375,796
Total Base Non Water Volume:	0

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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
Fresh Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	72.84640	Density = 8.330
Recycled Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	14.90605	Density = 8.480

Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.31625	
Fresh Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	0.19425	Density = 9.810
MC MX 8-4743	Multi-Chem	Biocide					
				Listed Below			
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676)	Halliburton	Proppant					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
Scalechek(R) LP- 65 Scale Inhibitor	Halliburton	Scale Inhibitor					
				Listed Below			
SAND- PREMIUM WHITE-40/70, BULK	Halliburton	Proppant					
				Listed Below			
SP BREAKER	Halliburton	Breaker					
				Listed Below			

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OILPERM A	Halliburton	Non-ionic Surfactant				
				Listed Below		
FDP-S1296-17	Halliburton	Corrosion Inhibitor				
				Listed Below		
LD-2850	Multi-Chem	Friction Reducer				
				Listed Below		
HYDROCHLORIC ACID	Halliburton	Solvent				
				Listed Below		

Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.

			Crystalline silica, quartz	14808-60-7	100.00000	11.60535
			Hydrochloric acid	7647-01-0	15.00000	0.04528
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02184
			Ethanaminium N,N,N-trimethyl-2-[(1-oxo-2-propen-1-yl)oxy]-, chloride (1:1)	69418-26-4	30.00000	0.02184
			Sodium nitrate	7631-99-4	60.00000	0.02050
			Organic phosphonate	Proprietary	60.00000	0.01440
			Guar gum	9000-30-0	100.00000	0.01412
			Ammonium chloride	12125-02-9	10.00000	0.00968
			Sodium chloride	7647-14-5	10.00000	0.00728
			9-Octadecenamide n,n-bis-2(hydroxy-ethyl)-, (Z)	93-83-4	5.00000	0.00364
			Methanol	67-56-1	100.00000	0.00034
			Sodium persulfate	7775-27-1	100.00000	0.00032

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			Formaldehyde	50-00-0	1.00000	0.00024
			Ethanol	64-17-5	60.00000	0.00022
			Oxyalkylated phenolic resin	Proprietary	30.00000	0.00014
			Heavy aromatic petroleum naphtha	64742-94-5	30.00000	0.00011
			Modified thiourea polymer	Proprietary	30.00000	0.00010
			Naphthalene	91-20-3	5.00000	0.00002
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5.00000	0.00002
			Ethoxylated alcohols	Proprietary	5.00000	0.00002
			Propargyl alcohol	107-19-7	5.00000	0.00002
			1,2,4 Trimethylbenzene	95-63-6	1.00000	0.00000
			Sodium sulfate	7757-82-6	0.10000	0.00000

* 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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**CORLEY LEASE
UTICA UNIT - 318.831 AC±
WELL N-9HU
TUG HILL OPERATING**

GRID NORTH

Number	TAX MAP -PARCEL	SURFACE OWNER	ACRES
S1	17-12	James A. & Jill C. Corley	3.33
S2	17-12.1	Williams Ohio Valley Midstream LLC	1.67
S3	18-13.8	Lori D. Carpenter	5.545
S4	18-29	Carl G. Berg	5.319
S5	18-32	Kenneth E Rastall	5.335
S6	18-32.1	Lori D. Carpenter	1.165
S7	18-31	Kenneth E Rastall	6.94
S8	18-13.10	Carl Berg	10.88
S9	18-30	John Schmidt et al	5.46
S10	18-13	Southern Country Farm Inc.	24.724
S11	18-16	Charles Yeater	17.768
S12	18-15.3	Charles Yeater	26.44
S13	18-15.4	Edward Lee Burge Jr.	22.34
S14	15-13	CNX Land Resources Inc.	11.0
S15	18-56	William E. O'Hara	3.965
S16	18-55	William E. O'Hara	3.202
S17	18-28	Dotson Harrison et ux	6.36
S18	18-28.1	Carol Diane Helmick	5.696
S19	18-11	Benjamin Robinson	10.883
S20	18-11.2	Edward Lee Burge Jr.	2.0
S21	18-11.1	Edward Lee Burge Jr.	18.0
S22	18-10	David & Nancy Anderson	0.907
S23	18-12	William L. Wayne Et Ux	2.270
S24	18-15.1	Jason Blair	5.948
S25	18-15.5	Darrell Boley & Teresa Boley	23.547
S26	18-13.3	Robert G. Closterman	9.813
S27	18-17	Michael Fincham & Kezia Winters	6.555
S28	18-13.1	Cory A. Holt	9.248
S29	18-13.6	Glenn Eugene Whisler Et Ux	5.384
S30	18-13.7	Victor W. Woods Jr. & Jessica L. Woods	5.255
S31	18-48	Marvin Dean Roberts Et Ux & Brad & Bridget Williams	2.920
S32	18-13.14	Glenn E. & Sandra K. Whisler	2.116
S33	18-13.2	Steven G. Berksford	6.023
S34	18-50	Steven G. Berksford	2.170
S35	18-15.2	Edward L. Burge	4.171
S36	18-36	Ruth Mulligan Est.	2.003
S37	18-13.5	Bryan Wesley	1.023
S38	18-47	Robert Richard Pelley II & Susan Lynn Briggs	2.01
S39	18-46	Dale W. & Patricia Gardner	2.03
S40	18-45	Michael Fincham & Kezia Winters	2.07
S41	18-49	Tanner Butler	2.023
S42	18-13	Southern Country Farms Inc	11.054
S43	18-14	Michael Fincham & Kezia Winters	6.386
S44	18-37	John Wetzel	2.064
S45	18-40	Cory A. Holt	2.237
S46	18-38	Marlon Connor	2.231
S47	18-41	Cory A. Holt	2.308
S48	18-25	Charles & Maria Rayl	2.521
S49	18-44	Renee Streight	2.133
S50	18-43	Roy Butler	2.532
S51	18-51	Roger Hall Jr.	2.505
S52	18-52	Roger Hall Jr.	2.536
S53	18-61	Roger White Jr.	2.984
S54	18-57	Marvin Roberts	2.228
S55	18-18	Linda Coen	3.0
S56	18-19	Roger White Jr.	10.0
S57	18-42	Cory A. Holt	2.308
S58	18-35	Mary Anderson	2.308
S59	17-10.4	Ron & Winnie Murrin, et al	2.01
S60	17-10.1	James & Jill Corley	4.51
S61	17-10	James A. Corley & Jill C. Corley, et al	92.61
S62	17-10.2	Sidney Pozell Et Ux Ests	2.6
S63	17-9.1	Jeri J White	1.0
S64	17-9.2	Jeri J White	7.136
S65	17-9.3	James A. Corley & Jill C. Corley	12.47
S66	17-11.1	Randy W. Francis et ux	67.0
S67	17-10.5	Williams Ohio Valley Midstream LLC	4.24
S68	18-33	Sandra & Glenn Whisler	5.343
S69	18-13.13	Glenn & Sandra Whisler	5.59
S70	18-34	Jodi & Gary Hall	5.002
S71	18-10.2	David Anderson et ux	1.377
S72	18-10.1	David Anderson et ux	1.65
S73	18-15	Edward Lee Burge, Jr.	2.495

PERMITTED
SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,360.29
E) 520,289.22

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,169.64
E) 520,243.38

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,558.16
E) 518,864.37

RECEIVED
Office of Oil and Gas

JUL 10 2020

WV Department of
Environmental Protection



P.S.
708

David L Jackson



**TUG HILL
OPERATING**

OPERATOR'S
WELL #: Corley N-9HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API #: 47-051-01971

WELL PLAT
PAGE 2 OF 3
DATE: 10/07/2019

form wv6

**CORLEY LEASE
UTICA UNIT - 318.831 AC±
WELL N-9HU
TUG HILL OPERATING**

GRID NORTH

NUMBER	LEASE NAME OR NO.	TAG	PARCEL	OIL & GAS ROYALTY OWNER	DEED BOOK/ PAGE
1	10*14095	A	5-17-10	JAMES A. CORLEY & JILL C. CORLEY	666 545
2	10*14096	A	5-17-10	RUTH A. CORLEY	666 539
3	10*14095	B	5-17-9.3	JAMES A. CORLEY & JILL C. CORLEY	666 545
4	10*14126	C	5-17-11.1	SHARON MIDCAP	697 152
5	10*14126	D	5-17-11	SHARON MIDCAP	697 152
6	10*14134	E	5-17-12	JAMES A. CORLEY & JILL C. CORLEY	706 130
7	10*14095	F	5-17-12.1	JAMES A. CORLEY & JILL C. CORLEY	666 545
8	10*14096	F	5-17-12.1	RUTH A. CORLEY	666 539
9	10*14134	F	5-17-12.1	JAMES A. CORLEY & JILL C. CORLEY	706 130
10	10*14096	G	5-17-10.5	RUTH A. CORLEY	666 539
11	10*14095	G	5-17-10.5	JAMES A. CORLEY & JILL C. CORLEY	666 545
12	10*14099	H	5-18-13	SOUTHERN COUNTRY FARMS, INC.	666 489
13	10*18898	H	5-18-13	COLBY ANN FLOUHOUSE HOMER & THE ESTATE OF PHYLLIS J. FLOUHOUSE	940 427
14	10*18898	I	5-18-33	COLBY ANN FLOUHOUSE HOMER & THE ESTATE OF PHYLLIS J. FLOUHOUSE	940 427
15	10*14099	J	5-18-13.14	SOUTHERN COUNTRY FARMS, INC.	666 489
16	10*18898	J	5-18-13.14	COLBY ANN FLOUHOUSE HOMER & THE ESTATE OF PHYLLIS J. FLOUHOUSE	940 427
17	10*18898	K	5-18-34	COLBY ANN FLOUHOUSE HOMER & THE ESTATE OF PHYLLIS J. FLOUHOUSE	940 427
18	10*14099	L	5-18-13.13	SOUTHERN COUNTRY FARMS, INC.	666 489
19	10*18898	L	5-18-13.13	COLBY ANN FLOUHOUSE HOMER & THE ESTATE OF PHYLLIS J. FLOUHOUSE	940 427
20	10*14099	M	5-18-13.6	SOUTHERN COUNTRY FARMS, INC.	666 489
21	10*18898	M	5-18-13.6	COLBY ANN FLOUHOUSE HOMER & THE ESTATE OF PHYLLIS J. FLOUHOUSE	940 427
22	10*19341	N	5-18-13.1	FRANKLIN BOYD TAGG ET UX.	936 569
23	10*19342	N	5-18-13.1	SONNY MICHAEL TAGG ET UX.	936 521
24	10*19343	N	5-18-13.1	SUZANNA LYNETT GUSEMAN ET CON.	936 537
25	10*19222	O	5-18-17	CHARLES E. GALLOWAY, SR. & LINDA S. GALLOWAY	737 437
26	10*14099	P	5-18-13.3	SOUTHERN COUNTRY FARMS, INC.	666 489
27	10*14503	Q	5-18-15.5	IMA LEE YOHO	756 85
28	10*19261	Q	5-18-15.5	DARRELL BOLEY ET UX.	897 254
29	10*14503	R	5-18-16	IMA LEE YOHO	756 85
30	10*17222	S	5-18-15.3	JAMES W. & DOLLIE M. FOSTER	940 429
31	10*14923	T	5-18-15.4	EDWARD LEE BURGE, SR.	668 521
32	10*19160	U	5-18-10.1	DAVID V. ANDERSON ET UX.	704 319
33	10*19160	V	5-18-10.2	DAVID V. ANDERSON ET UX.	704 319
34	10*19160	W	5-18-10	DAVID V. ANDERSON ET UX.	704 319
35	10*19218	X	5-18-11.1	BENJAMIN ROBINSON	727 211
36	10*19188	Y	5-18-15	EDWARD LEE BURGE, SR.	668 521
37	10*19339	Z	5-15-10	MARK STANLEY RUCKMAN	664 495
38	10*19295	AA	5-15-9	BRENDA K. BRYAN ET AL.	741 78
39	10*19337	BB	5-15-12	JACK & HATTIE PETROCK	663 498



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