

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

RECEIVED  
Office of Oil & Gas  
OCT 04 2022

API 47-051-02140 County Marshall District Franklin  
Quad Powhatan Point 7.5' Pad Name Goudy Field/Pool Name \_\_\_\_\_  
Farm name TH Exploration III, LLC Well Number Whistlepig S-8HM  
Operator (as registered with the OOG) Tug Hill Operating, LLC  
Address 380 Southpointe Boulevard, Plaza II, Suite 200 City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,402,843.01 Easting 517,737.62  
Landing Point of Curve Northing 4,403,205.93 Easting 517,605.65  
Bottom Hole Northing 4,401,688.38 Easting 518,485.28

Elevation (ft) 1368.5' 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)  
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 2/8/2019 Date drilling commenced 7/8/2019 spud:7/8/2019 blg rig: 5/18/2021 Date drilling ceased 6/5/2021  
Date completion activities began 11/27/2021 Date completion activities ceased 12/12/2021  
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 1007' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1393' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 901-907', 1001-1007' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) \_\_\_\_\_

APPROVED  
Reviewed by:  
[Signature] 10/21/2022

API 47- 051 - 02140 Farm name TH Exploration III, LLC Well number Whistlepig S-8HM

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	94.5#	N/A	Y
Surface	17 1/2"	13 3/8"	1,092' +	NEW	48#	N/A	Y
Coal	17 1/2"	13 3/8"	1,092' +	NEW	48#	N/A	Y
Intermediate 1	12 1/4"	9 5/8"	2,884' +	NEW	36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	13,379' +	NEW	20#	N/A	
Tubing		2 3/8"	6,689'	NEW	4.7#	N/A	
Packer type and depth set							

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Comment Details \_\_\_\_\_

WV Department of Environmental Protection

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	A	547	15.6	1.18	646	0	8
Surface	A	1120	15.6	1.199	1342.88	0	8
Coal	A	1120	15.6	1.199	1342.88	0	8
Intermediate 1	A	840	15	1.378	1157.52 +	0	8
Intermediate 2							
Intermediate 3							
Production	A	2855	14.5	1.301	3714.35	0	8
Tubing							

Drillers TD (ft) 14,932' Loggers TD (ft) n/a  
 Deepest formation penetrated Marcellus Plug back to (ft) n/a  
 Plug back procedure n/a

Kick off depth (ft) 6,045'

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 other joint.  
 Production - one centralizer every other joint in lateral, one centralizer every joint through curve, one centralizer every other 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 \_\_\_\_\_



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PRODUCING FORMATION(S)	DEPTHS	
MARCELLUS	6628'-6665'	TVD 7723'-13405' MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump  
 SHUT-IN PRESSURE Surface 2368 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST 4 hrs  
 OPEN FLOW Gas 480.00 mcfpd Oil 408 bpd NGL \_\_\_\_\_ bpd Water 456 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		
*see attached					

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Please insert additional pages as applicable.

Drilling Contractor Nabors Drilling USA  
Address 505 West Greens Road, Suite 1000 City Houston State TX Zip 77067

Logging Company n/a  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

Stimulating Company PRO-FRAC  
Address 333 Shops Boulevard City Willow Park State TX Zip 76087

Please insert additional pages as applicable.

Completed by Amy L. Morris Telephone 304-376-0111  
Signature *Amy L. Morris* Title Permitting Specialist - Appalachia Date 10-3-2022

**WHISTLEPIG S-8HM  
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	88.70	7348	5000	3060	251620	6,305	0
2	87.60	6920	5371	4341	347760	7,811	0
3	89.66	7061	4952	4730	520100	9,453	0
4	88.10	6926	5227	4855	525220	9,551	0
5	88.12	6832	5238	4408	526220	9,523	0
6	87.85	6817	5355	4857	522140	9,456	0
7	85.14	6550	5131	4835	446160	8,318	0
8	87.15	6664	5256	4637	436100	9,456	0
9	88.31	6886	5300	4599	443620	8,297	0
10	88.50	6839	5142	4529	445640	8,324	0
11	89.16	6880	5268	4995	445900	8,670	0
12	88.23	6802	5172	5379	444980	8,300	0
13	88.67	6693	5592	4611	441920	8,172	0
14	88.07	6713	5228	5160	443700	8,131	0
15	89.20	6634	5110	5510	448380	8,328	0
16	89.20	6709	5034	4802	436680	8,080	0
17	89.78	6719	4930	5527	446320	8,143	0
18	89.68	6673	5206	4668	446160	8,197	0
19	88.88	6708	5437	5305	446680	8,189	0
20	89.63	6684	5514	5135	453220	8,377	0
21	88.68	6591	5087	4531	446740	8,346	0
22	89.30	6540	4955	5073	443680	8,276	0
23	89.10	6562	5417	4919	440880	8,082	0
24	88.35	6531	5348	5313	452280	8,354	0
25	89.75	6493	5245	5218	446120	8,718	0
26	88.50	6353	5635	4758	445100	8,124	0
27	90.16	6340	5112	4810	437920	8,044	0
28	87.59	6450	5116	5248	443940	8,245	0
29	84.53	6229	5165	4965	4448360	8,111	0
30	88.48	6227	5037	4785	444480	8,056	0
31	89.26	6082	5153	4899	440400	8,076	0
32	89.28	6123	5370	4611	446860	8,141	0

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**Whistlepig S-8HM  
PEFORATION RECORD**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	11/27/2021	13,186	13,235	48	Marcellus
2	11/27/2021	12,982	13,135	48	Marcellus
3	11/28/2021	12,807	12,960	48	Marcellus
4	11/28/2021	12,632	12,785	48	Marcellus
5	11/29/2021	12,457	12,610	48	Marcellus
6	11/29/2021	12,282	12,435	48	Marcellus
7	11/30/2021	12,107	12,260	48	Marcellus
8	11/30/2021	11,932	12,085	48	Marcellus
9	12/1/2021	11,757	11,910	48	Marcellus
10	12/2/2021	11,582	11,735	48	Marcellus
11	12/3/2021	11,407	11,560	48	Marcellus
12	12/3/2021	11,232	11,385	48	Marcellus
13	12/4/2021	11,057	11,210	48	Marcellus
14	12/4/2021	10,882	11,035	48	Marcellus
15	12/5/2021	10,707	10,860	48	Marcellus
16	12/5/2021	10,532	10,685	48	Marcellus
17	12/6/2021	10,357	10,510	48	Marcellus
18	12/6/2021	10,182	10,335	48	Marcellus
19	12/7/2021	10,007	10,160	48	Marcellus
20	12/7/2021	9,832	9,985	48	Marcellus
21	12/7/2021	9,657	9,810	48	Marcellus
22	12/8/2021	9,482	9,635	48	Marcellus
23	12/8/2021	9,307	9,460	48	Marcellus
24	12/9/2021	9,132	9,285	48	Marcellus
25	12/9/2021	8,957	9,110	48	Marcellus
26	12/9/2021	8,782	8,935	48	Marcellus
27	12/10/2021	8,607	8,760	48	Marcellus
28	12/10/2021	8,432	8,585	48	Marcellus
29	12/11/2021	8,257	8,410	48	Marcellus
30	12/11/2021	8,082	8,235	48	Marcellus
31	12/12/2021	7,907	8,060	48	Marcellus
32	12/12/2021	7,732	7,885	48	Marcellus

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### Whistlepig S-8HM

#### Lithology Information

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	2046	2139	2055	2152	Sandstone
Big Lime	2139	2208	2152	2224	Limestone
Big Injun	2208	2493	2224	2530	Sandstone
Weir	2493	2685	2530	2741	Sandstone
Berea	2685	3027	2741	3129	Sandstone
Gordon	3027	3082	3129	3193	Sandstone
Fifty Foot	3082	3634	3193	3830	Sandstone
Speechley	3634	5029	3830	5434	Sandstone
Benson	5029	5394	5434	5855	Sandstone
Alexander	5394	5978	5855	6479	Siltstone
Rhinestreet	5978	6404	6479	6953	Black Shale
Middlesex	6404	6493	6953	7096	Black Shale
Geneseo/Burkett	6493	6521	7096	7158	Black Shale
Tully	6521	6549	7158	7226	Limestone
Hamilton	6549	6590	7226	7379	Gray Shale
Marcellus	6590	-	7379	-	Black Shale

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/27/2021
Job End Date:	12/12/2021
State:	West Virginia
County:	Marshall
API Number:	47-051-02140-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Whistlepig S-8HM
Latitude:	39.77533961
Longitude:	-80.79287721
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,626
Total Base Water Volume (gal):	11,241,468
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
Water	Tug Hill Operating	Carrier/Base Fluid					
Sand (40/70 White Proppant)	Tug Hill Operating	Proppant	Water	7732-18-5	100.00000	86.46553	None
Sand (100 Mesh Proppant)	Tug Hill Operating	Proppant	Silica Substrate	14808-60-7	100.00000	8.71315	None
Sand (30/50 White Proppant)	Tug Hill Operating	Proppant	Silica Substrate	14808-60-7	100.00000	3.22417	None
Hydrochloric Acid (7.5%)	CNR	Acidizing	Silica Substrate	14808-60-7	100.00000	1.20189	None
SlimStream FR 9800	Chemstream	Friction Reducer	Water	7732-18-5	85.00000	0.23836	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.10376	None
			Butene, homopolymer	9003-29-6	25.00000	0.01699	None
			Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01699	None
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00204	None

10/21/2022



MC MX 9-4743	Multi-Chem	Biocide	Sodium Nitrate	7631-99-4	60.00000	0.02192	None
LD-7750W	Multi-Chem	Scale Inhibitor	Methanol	67-56-1	60.00000	0.00500	None
ProHib 100	CNR	Acid Inhibitor	Phosphonic Acid Salt	Proprietary	5.00000	0.00042	None
			2-Butoxyethanol	111-76-2	60.00000	0.00055	None
			Proprietary material	Proprietary	30.00000	0.00027	None
			Proprietary non-ionic surfactant	Proprietary	20.00000	0.00018	None
			Proprietary ethoxylated alcohol	Proprietary	10.00000	0.00009	None
			Proprietary corrosion inhibitor	Proprietary	10.00000	0.00009	None
ProFE 105	CNR	Iron Control	Citric Acid	77-92-9	20.00000	0.00022	None
			Acetic Acid	64-19-7	5.00000	0.00005	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					
			Water	7732-18-5	85.00000	0.23836	
			Butene, homopolymer	9003-29-6	25.00000	0.01699	
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00204	
			Phosphonic Acid Salt	Proprietary	5.00000	0.00042	
			Proprietary material	Proprietary	30.00000	0.00027	
			Proprietary non-ionic surfactant	Proprietary	20.00000	0.00018	
			Proprietary ethoxylated alcohol	Proprietary	10.00000	0.00009	
			Proprietary corrosion inhibitor	Proprietary	10.00000	0.00009	
			Acetic Acid	64-19-7	5.00000	0.00005	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

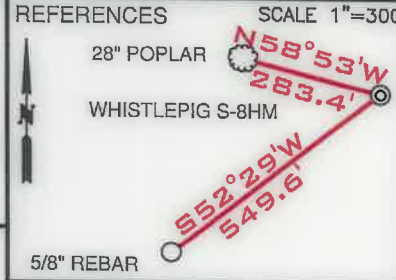
\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

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)

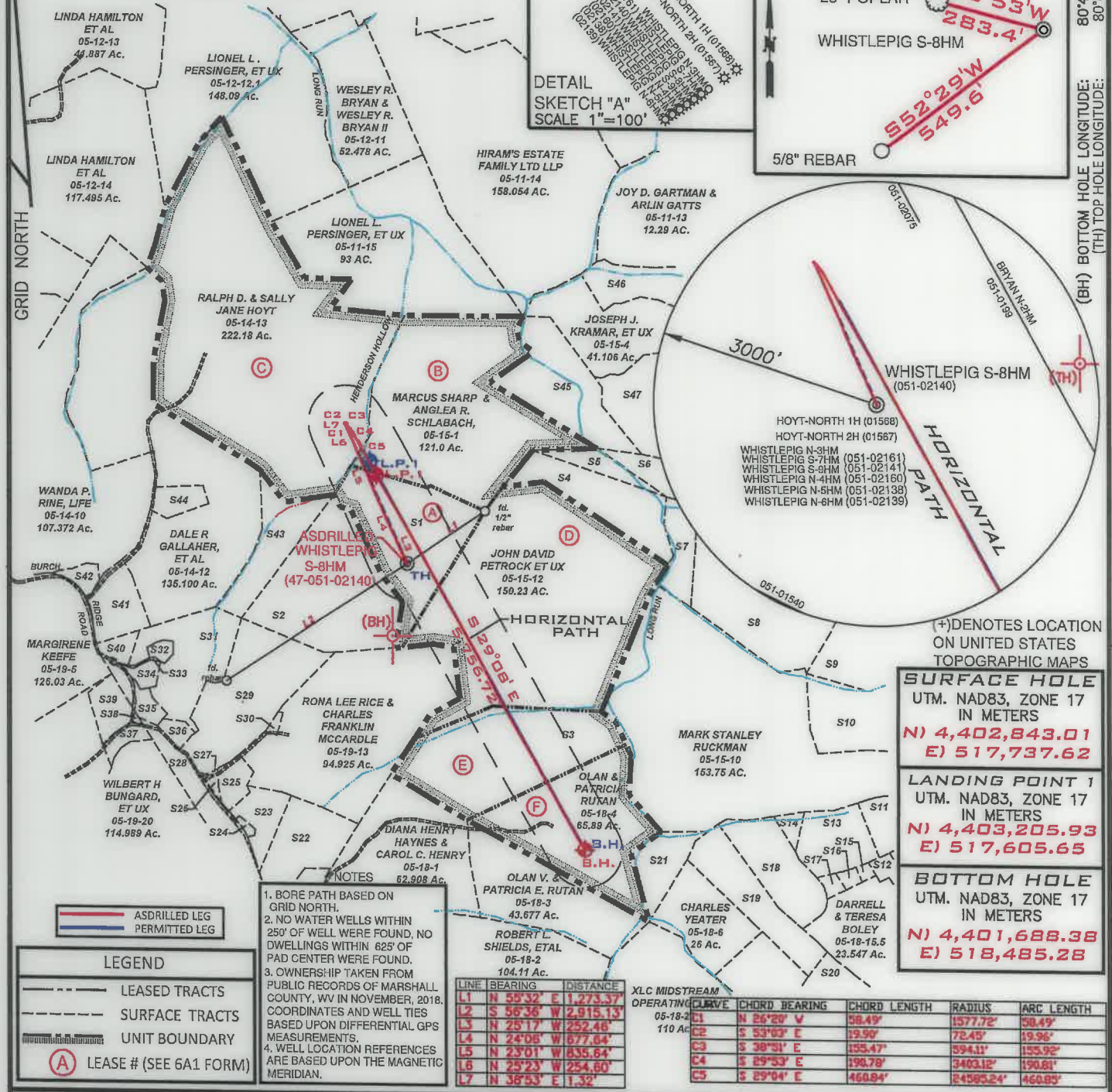
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**WHISTLEPIG LEASE  
WELL S-8HM  
673.89± ACRES**

TOP HOLE LATITUDE: 39°47'30"  
BOTTOM HOLE LATITUDE: 39°47'30"



DETAIL SKETCH "A" SCALE 1"=100'



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

<b>SURFACE HOLE</b>	UTM. NAD83, ZONE 17 IN METERS <b>N) 4,402,843.01</b> <b>E) 517,737.62</b>
<b>LANDING POINT 1</b>	UTM. NAD83, ZONE 17 IN METERS <b>N) 4,403,205.93</b> <b>E) 517,605.65</b>
<b>BOTTOM HOLE</b>	UTM. NAD83, ZONE 17 IN METERS <b>N) 4,401,688.38</b> <b>E) 518,485.28</b>

- NOTES**
1. BORE PATH BASED ON GRID NORTH.
  2. NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
  3. OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN NOVEMBER, 2018. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
  4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

LINE	BEARING	DISTANCE
L1	N 59°32' E	1,273.37'
L2	S 56°36' W	2,915.13'
L3	N 25°17' W	252.46'
L4	N 24°08' W	877.64'
L5	N 23°01' W	835.64'
L6	N 25°23' W	254.60'
L7	N 38°53' E	1.32'

CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1 N 26°20' V	58.49'	1577.72'	58.49'
C2 S 53°03' E	19.96'	72.45'	19.96'
C3 S 38°31' E	155.47'	594.11'	155.92'
C4 S 29°53' E	198.78'	3403.12'	190.81'
C5 S 29°04' E	460.84'	24585.24'	460.85'

**LEGEND**

- ASDRILLED LEG
- PERMITTED LEG
- LEASED TRACTS
- SURFACE TRACTS
- UNIT BOUNDARY
- LEASE # (SEE 6A1 FORM)

FILE NUMBER \_\_\_\_\_

DRAWING NUMBER **WHISTLEPIG S-8HM REV 1**

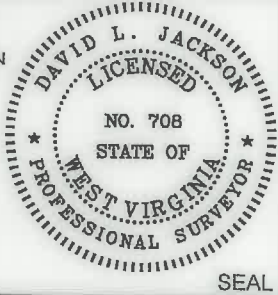
SCALE **1" = 2000'**

MINIMUM DEGREE OF ACCURACY **1/200**

PROVEN SOURCE OF ELEVATION **SUBMETER MAPPING GRADE GPS**

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

*David L Jackson*



JACKSON SURVEYING INC.  
P.O. Box 1460  
Clarksburg, WV 26302  
304-623-5851

DATE: **OCTOBER 3, 2022**

OPERATORS WELL NO. **WHISTLEPIG S-8HM**

API WELL NO. **47-051-02140**

STATE **WV** COUNTY **MARSHALL** PERMIT **10/21/2022**

LOCATION ELEVATION **1,368.5'** WATERSHED (HUC 10) **FISH CREEK**

DISTRICT **FRANKLIN** COUNTY **MARSHALL**

QUADRANGLE **POWATAN POINT 7.5'** LEASE NUMBER \_\_\_\_\_ SEE WW-6A1 Form

SURFACE OWNER **ROBERT L. & REBECCA SHIELDS & DONALD SHIELDS** ACREAGE **49.0**

OIL & GAS ROYALTY OWNER **ROBERT L. & REBECCA SHIELDS & DONALD SHIELDS** LEASE ACREAGE **49.0**

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE (SPECIFY) **ASDRILLED**

TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **TVD: 6,665' TMD: 13,405'**

WELL OPERATOR **TUG HILL OPERATING, LLC** DESIGNATED AGENT **DARREN BROWN, CT CORP**

ADDRESS **1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107** ADDRESS **5098 WASHINGTON STREET WEST, SUITE 407 CHARLESTON, WV 25313-1561**



**WHISTLEPIG LEASE  
WELL S-8HM  
673.89± ACRES**

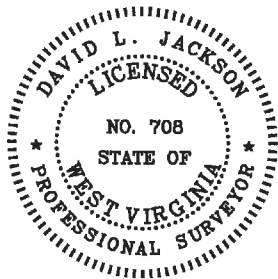
Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S1 (A)	05-15-15	Robert L. & Rebecca Shields and Donald Shields	49.00
S2 (B)	05-14-15	Robert L. Shields et al	53.00
S3 (E)	05-15-11	Diana Henry Haynes & Carol Henry	65.59
S4	05-15-14	John David Petrock, et ux	25.00
S5	05-15-02	John David Petrock, et ux	5.00
S6	05-15-6.1	Joseph J. Kramar, et ux	39.40
S7	05-15-13	CNX Land Resources, Inc.	11.00
S8	05-15-09	CNX Land Resources, Inc.	81.98
S9	05-16-23	CNX Land Resources, Inc.	60.138
S10	05-16-22	James M. Ruckman, et ux	54.605
S11	05-18-11.2	Edward Lee Burge Jr.	2.0
S12	05-18-12	William L. Wayne, et ux	2.270
S13	05-18-11.1	Edward Lee Burge, Jr.	18.00
S14	05-18-15	Edward Lee Burge, Jr.	2.495
S15	05-18-10	David and Nancy Anderson	0.907
S16	05-18-10.2	David Anderson, et ux	1.377
S17	05-18-10.1	David V. Anderson, et ux	1.65
S18	05-18-15.4	Edward Lee Burge, Jr.	22.34
S19	05-18-15.3	Charles Yeater	26.44
S20	05-18-16	Charles Yeater	17.768
S21	05-18-05	Terry Melott	8.14
S22	05-19-30	Ernie & Tammy Anderson	19.037
S23	05-19-29	Ernie L. & Tammy L. Anderson	10.961
S24	05-19-15	B.J.Herran Revocable Trust	0.72
S25	05-19-12	Ernie L. Anderson, et ux	5.33
S26	05-19-10	Ernie L. Anderson, et ux	0.8125
S27	05-19-11	Ernie L. Anderson, et ux	0.08
S28	05-19-09	Penny Elaine Menendez	10.00
S29	05-19-08	CNX Gas Company, LLC	40.00
S30	05-19-13.1	Donald Shields	0.800
S31	05-19-07	Olan V. Rutan, et ux	32.4801
S32	05-19-7.4	Olan V. Rutan, et ux	1.787
S33	05-19-7.3	Olan V. Rutan, et ux	0.341
S34	05-19-7.2	Olan V. Rutan	2.783
S35	05-19-7.1	Robert L. Shields, et ux	3.399
S36	05-19-7.5	Adam & Jesse Robinson	2.640
S37	05-19-20.1	John J. Ebert (Life)	3.848
S38	P/O 05-19-20	Wilbert H. Bungard, et ux	P/O 114.989
S39	05-19-20.2	Casandra L. Harmon	7.448
S40	05-19-06	Martha M. Rutan	5.1099
S41	05-14-11	Dale R. Gallaher, et al	12.00
S42	05-14-10.4	Adam & Jesse Robinson	3.343
S43	05-14-14	Robert L. Shields, et al	29.05
S44	05-14-12.1	Henry Wilson Piunkert, Jr.	5.00
S45	05-15-03	Joseph J. Kramar, et ux	36.10
S46	05-11-12	Joseph J. Kramar, et ux	43.2188
S47	05-15-05	Joseph J. Kramar, et ux	35.00

RECEIVED  
Office of Oil & Gas  
**OCT 04 2022**  
WV Department of  
Environmental Protection

**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,402,843.11  
E) 517,737.75

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,403,262.76  
E) 517,576.66

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,401,687.42  
E) 518,486.14



P.S.  
708

*David L Jackson*

10/21/2022



**TUG HILL**  
**OPERATING**

OPERATOR'S  
WELL #: Whistlepig S-8HM  
API# 47-051-02140  
DISTRICT: Franklin  
COUNTY: Marshall  
STATE: WV

WELL PLAT  
PAGE 2 OF 2  
DATE: 10/03/2022