

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

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Office of Oil & Gas  
OCT 04 2022

API 47-051-02161 County Marshall District Franklin  
Quad Powhatan Point 7.5' Pad Name Goudy Field/Pool Name Whistlepig S-7HM  
Farm name TH Exploration III, LLC Well Number Whistlepig S-7HM  
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 4,402,845.16 Easting 517,740.48  
Landing Point of Curve Northing 4,403,521.94 Easting 517,161.90  
Bottom Hole Northing 4,401,886.06 Easting 518,107.63

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 spud: 7/2/2019 big rig: 4/20/2021 Date drilling ceased 5/18/2021  
Date completion activities began 11/23/2021 Date completion activities ceased 12/11/2021  
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: STRAND  
10-11-2022  
Reviewed by: 10/21/2022

API 47- 051 - 02161 Farm name TH Exploration III, LLC Well number Whistlepig S-7HM

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"	1,101' <input checked="" type="checkbox"/>	NEW	48#	N/A	Y
Coal	17 1/2"	13 3/8"	1,101' <input checked="" type="checkbox"/>	NEW	48#	N/A	Y
Intermediate 1	12 1/4"	9 5/8"	3,050' <input checked="" type="checkbox"/>	NEW	36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	14,892' <input checked="" type="checkbox"/>	NEW	20#	N/A	Y
Tubing		2 3/8"		NEW	4.7#	N/A	Y
Packer type and depth set							

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

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	1.2	1344	0	8
Coal	A	1120	15.6	1.2	1344	0	8
Intermediate 1	A	920	15	1.38	1269.6	0	8
Intermediate 2							
Intermediate 3							
Production	A	3400	14.5	1.3	4420	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) 6,752'

Check all wireline logs run  caliper  density  deviated/directional  induction  neutron  resistivity  gamma ray  temperature

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Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

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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 \_\_\_\_\_





WHISTLEPIG S-7HM

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	89.23	7775	7877	3166	247620	6,458	0
2	89.03	7251	5462	4313	355580	7,574	0
3	90.30	7228	5328	4609	517060	9,459	0
4	89.18	7150	5506	4781	525960	9,673	0
5	90.02	6984	5059	4516	515420	9,516	0
6	87.42	7209	5537	3816	439980	10,066	0
7	88.17	6956	5456	4566	521400	9,805	0
8	88.28	6906	5030	4600	522480	9,504	0
9	88.04	6864	5499	4684	527480	9,642	0
10	88.12	6773	5117	4599	526140	9,470	0
11	84.52	6673	5138	4634	529500	9,900	0
12	87.57	6765	5453	5011	530440	9,656	0
13	89.05	6866	5171	4494	528320	9,747	0
14	87.98	6960	5113	4342	524700	9,530	0
15	88.03	7023	5173	4590	520340	9,750	0
16	89.99	6990	5469	4944	530740	9,587	0
17	87.60	7000	5314	5325	523960	9,469	0
18	89.94	6924	5655	5211	527120	9,495	0
19	89.01	6925	5388	4831	524620	10,548	0
20	89.47	6754	5252	4924	526720	9,564	0
21	87.85	6941	5084	4973	516920	9,308	0
22	89.29	6953	5138	4973	532480	9,566	0
23	87.93	6624	4814	4972	527140	9,363	0
24	88.70	6976	5045	4435	533920	9,590	0
25	88.00	6608	4928	5337	500600	9,145	0
26	89.33	6591	5009	4810	489380	9,013	0
27	89.18	6590	4927	5019	524820	9,399	0
28	88.02	5338	5119	4595	522580	9,386	0
29	89.22	6518	4935	3437	528600	9,482	0
30	90.06	6531	5030	4514	498560	9,137	0
31	88.81	6581	4975	5355	531480	10,484	0
32	89.83	6637	4961	4440	518440	9,276	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)
33	87.88	6617	5290	4059	524360	9,379	0
34	85.47	6304	5003	4873	525800	9,524	0
35	87.10	6416	5175	4356	527740	10,393	0

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**Whistlepig S-7HM  
PEFORATION RECORD**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	11/23/2021	14,724	14,766	48	Marcellus
2	11/24/2021	14,524	14,669	48	Marcellus
3	11/26/2021	14,349	14,494	48	Marcellus
4	11/26/2021	14,174	14,319	48	Marcellus
5	11/27/2021	13,999	14,144	48	Marcellus
6	11/27/2021	13,824	13,969	48	Marcellus
7	11/27/2021	13,649	13,794	48	Marcellus
8	11/28/2021	13,474	13,619	48	Marcellus
9	11/28/2021	13,299	13,444	48	Marcellus
10	11/29/2021	13,124	13,269	48	Marcellus
11	11/29/2021	12,949	13,094	48	Marcellus
12	11/30/2021	12,774	12,919	48	Marcellus
13	11/30/2021	12,599	12,744	48	Marcellus
14	12/1/2021	12,424	12,569	48	Marcellus
15	12/2/2021	12,249	12,394	48	Marcellus
16	12/3/2021	12,074	12,219	48	Marcellus
17	12/4/2021	11,899	12,044	48	Marcellus
18	12/4/2021	11,724	11,869	48	Marcellus
19	12/4/2021	11,549	11,694	48	Marcellus
20	12/5/2021	11,374	11,519	48	Marcellus
21	12/5/2021	11,199	11,344	48	Marcellus
22	12/6/2021	11,024	11,169	48	Marcellus
23	12/6/2021	10,849	10,994	48	Marcellus
24	12/7/2021	10,674	10,819	48	Marcellus
25	12/7/2021	10,499	10,644	48	Marcellus
26	12/8/2021	10,324	10,469	48	Marcellus
27	12/8/2021	10,149	10,294	48	Marcellus
28	12/8/2021	9,974	10,119	48	Marcellus
29	12/9/2021	9,799	9,944	48	Marcellus
30	12/9/2021	9,624	9,769	48	Marcellus
31	12/10/2021	9,449	9,594	48	Marcellus
32	12/10/2021	9,274	9,419	48	Marcellus
33	12/10/2021	9,099	9,244	48	Marcellus
34	12/11/2021	8,924	9,069	48	Marcellus
35	12/11/2021	8,749	8,894	48	Marcellus

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# Whistlepig S-7HM

## 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	2011	2104	2041	2144	Sandstone
Big Lime	2104	2173	2144	2222	Limestone
Big Injun	2173	2458	2222	2568	Sandstone
Weir	2458	2650	2568	2832	Sandstone
Berea	2650	2992	2832	3318	Sandstone
Gordon	2992	3047	3318	3399	Sandstone
Fifty Foot	3047	3599	3399	4217	Sandstone
Speechley	3599	4994	4217	6255	Sandstone
Benson	4994	5359	6255	6802	Sandstone
Alexander	5359	5943	6802	7457	Siltstone
Rhinestreet	5943	6378	7457	7953	Black Shale
Middlesex	6378	6469	7953	8147	Black Shale
Geneseo/Burkett	6469	6497	8147	8228	Black Shale
Tully	6497	6522	8228	8300	Limestone
Hamilton	6522	6556	8300	8429	Gray Shale
Marcellus	6556	-	8429	-	Black Shale

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/23/2021
Job End Date:	12/11/2021
State:	West Virginia
County:	Marshall
API Number:	47-051-02161-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Whistlepig S-7HM
Latitude:	39.77535910
Longitude:	-80.79284279
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,608
Total Base Water Volume (gal):	13,896,036
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	Water	7732-18-5	100.00000	86.39716	None
Sand (40/70 Proppant)	Tug Hill Operating	Proppant	Silica Substrate	14808-60-7	100.00000	9.01976	None
Sand (100 Mesh Proppant)	Tug Hill Operating	Proppant	Silica Substrate	14808-60-7	100.00000	3.07706	None
Sand (30/50 White Proppant)	Tug Hill Operating	Proppant	Silica Substrate	14808-60-7	100.00000	1.14142	None
Hydrochloric Acid (7.5%)	CNR	Acidizing	Water	7732-18-5	85.00000	0.20910	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.09102	None
SlimStream FR 9800	Chemstream	Friction Reducer	Butene, homopolymer	9003-29-6	25.00000	0.01812	None
			Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01812	None
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00217	None

10/21/2022

MC MX 9-4743	Multi-Chem	Biocide	Sodium Nitrate	7631-99-4	60.00000	0.02162	None
LD-7750W	Multi-Chem	Scale Inhibitor	Methanol	67-56-1	60.00000	0.00503	None
ProHib 100	CNR	Acid Inhibitor	Phosphonic Acid Salt	Proprietary	5.00000	0.00042	None
			2-Butoxyethanol	111-76-2	60.00000	0.00047	None
			Proprietary material	Proprietary	30.00000	0.00024	None
			Proprietary non-ionic surfactant	Proprietary	20.00000	0.00016	None
			Proprietary ethoxylated alcohol	Proprietary	10.00000	0.00008	None
			Proprietary corrosion inhibitor	Proprietary	10.00000	0.00008	None
ProFE 105	CNR	Iron Control	Citric Acid	77-92-9	20.00000	0.00019	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	0.20910	
			Butene, homopolymer	9003-29-6	25.00000	0.01812	
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00217	
			Phosphonic Acid Salt	Proprietary	5.00000	0.00042	
			Proprietary material	Proprietary	30.00000	0.00024	
			Proprietary non-ionic surfactant	Proprietary	20.00000	0.00016	
			Proprietary corrosion inhibitor	Proprietary	10.00000	0.00008	
			Proprietary ethoxylated alcohol	Proprietary	10.00000	0.00008	
			Acetic Acid	64-19-7	5.00000	0.00005	

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

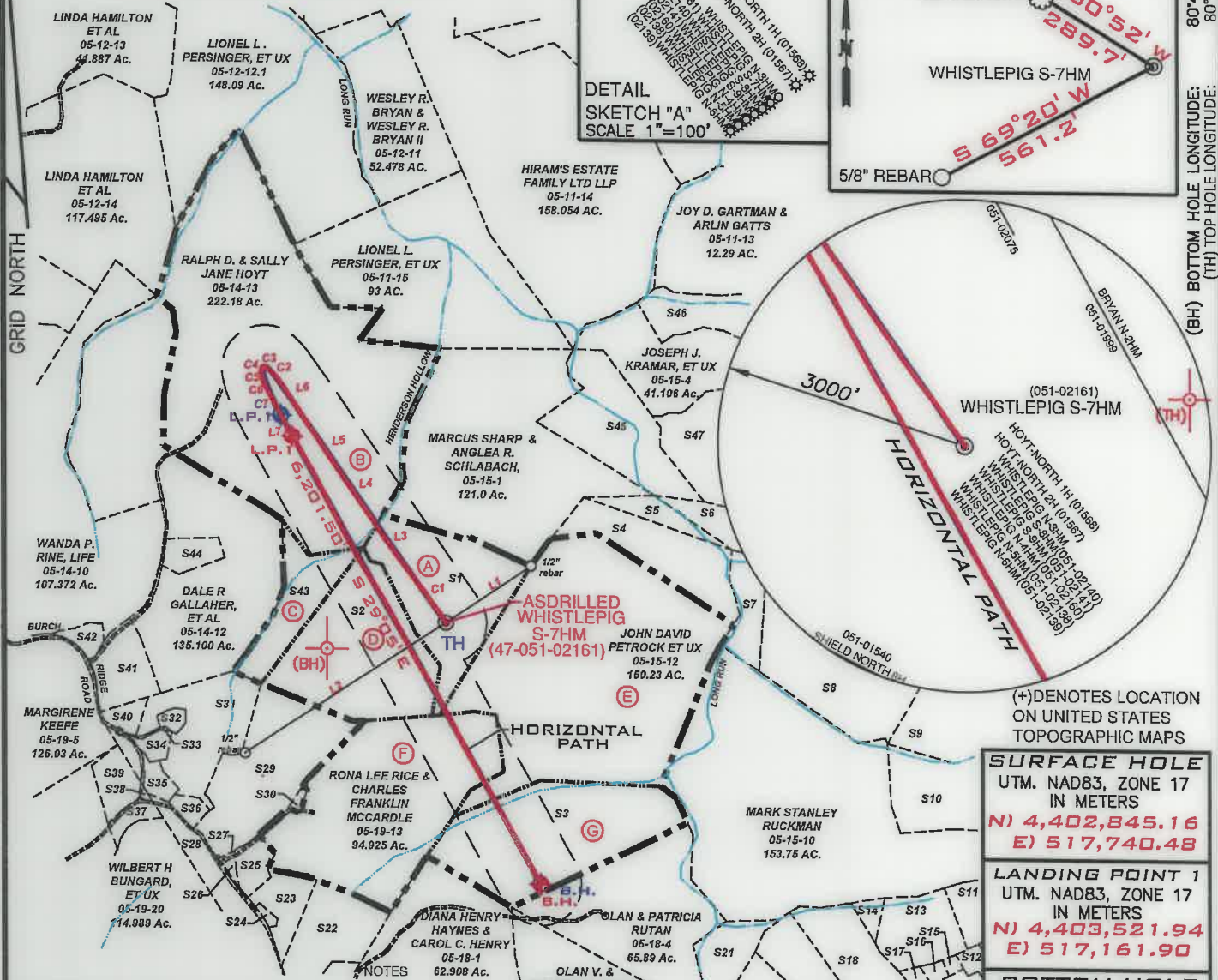
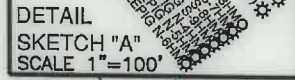
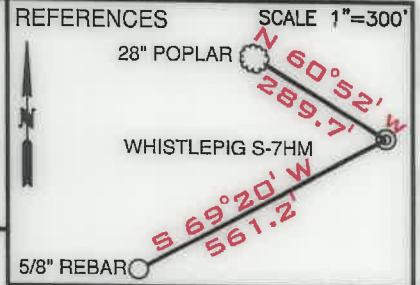
\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

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-7HM 663.975± ACRES

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



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,402,845.16  
E) 517,740.48

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,403,521.94  
E) 517,161.90

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,401,886.06  
E) 518,107.63

LINE	BEARING	DISTANCE
L1	N 55°32' E	1,261.62'
L2	S 56°35' W	2,926.88'
L3	N 35°58' W	625.58'
L4	N 35°23' W	616.45'
L5	N 34°24' W	1243.88'
L6	N 34°10' W	897.86'
L7	S 28°21' E	663.97'

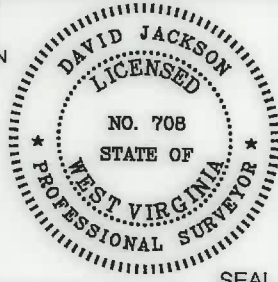
LEGEND	
	LEASED TRACTS
	SURFACE TRACTS
	WELL LATERAL
	POINT PLEASANT LEGS
	MARCELLUS LEGS
	UNIT BOUNDARY
	LEASE # (SEE 6A1 FORM)

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 33°00' W	196.76'	893.94'	197.15'
C2	N 43°49' W	185.97'	799.16'	186.39'
C3	N 57°20' W	29.35'	199.54'	29.37'
C4	S 78°58' W	24.96'	25.02'	26.13'
C5	S 25°01' W	39.68'	50.26'	40.79'
C6	S 05°18' E	100.95'	283.63'	101.57'
C7	S 22°15' E	124.32'	455.78'	124.71'

FILE NUMBER \_\_\_\_\_  
DRAWING NUMBER: **WHISTLEPIG S-7HM 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  
304-623-5651

WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET, SE  
CHARLESTON, WV 25304

DATE: OCTOBER 3, 2022  
OPERATORS WELL NO. WHISTLEPIG S-7HM  
API WELL NO. 47-051-02161  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION ELEVATION 1368.5' WATERSHED (HUC 10) FISH CREEK  
DISTRICT FRANKLIN COUNTY MARSHALL  
QUADRANGLE POWHATAN 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  
PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,645' TMD: 14,932'  
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

COUNTY NAME PERMIT

**WHISTLEPIG LEASE  
WELL S-7HM  
663.975± ACRES**

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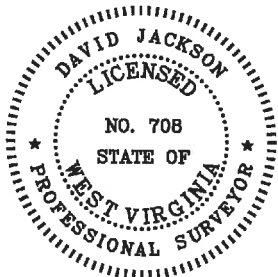
Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S1 (A)	05-15-15	Robert L. & Rebecca Shields and Donald Shields	49.00
S2 (D)	05-14-15	Robert L. Shields et al	53.00
S3 (G)	05-15-11	Diana Henry Haynes & Carol Henry	65.59
S4	05-15-14	John David Petrock, et ux	25.00
S5	05-15-02	John David Petrock, et ux	5.00
S6	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 (C)	05-14-14	Robert L. Shields, et al	29.05
S44	05-14-12.1	Henry Wilson Plunkert, 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

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.

**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,402,845.28  
E) 517,740.69

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,403,599.16  
E) 517,118.38

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,401,888.61  
E) 518,106.01



P.S. *David L Jackson*

10/21/2022



OPERATOR'S  
WELL #: Whistlepig S-7HM  
DISTRICT: Franklin  
COUNTY: Marshall  
STATE: WV  
API # 47-051-02161

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