

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

RECEIVED
Office of Oil and Gas
MAY 06 2021

WV Department of
Environmental Protection

API 47 - 051 - 02276 County Marshall District Franklin
Quad Powhatan Point 7.5' Pad Name Michter Field/Pool Name _____
Farm name Larry W. Dunlap, et al Well Number Michter N-2HM
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 4,405,906.66 Easting 517,339.16
Landing Point of Curve Northing 4,406,127.22 Easting 517,128.68
Bottom Hole Northing 4,407,903.12 Easting 515,871.66

Elevation (ft) 1126.1' 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 12/10/2019 Date drilling commenced 12/13/2019 Date drilling ceased 8/9/2020
Date completion activities began 1/8/2021 Date completion activities ceased 1/26/2021
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 739' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1042' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 638-644', 733-739' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
168
08-27-2021
8-10-21

API 47-051 - 02276 Farm name Larry W. Dunlap, et al Well number Michter N-2HM

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"	845'	NEW	54.5#	N/A	Y
Coal	17 1/2"	13 3/8"	845'	NEW	54.5#	N/A	Y
Intermediate 1	12 1/4"	9 5/8"	2,708'	NEW	36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8 3/4"	5 1/2"	13,816'	NEW	20#	N/A	Y
Tubing		2 3/8"	7,208'	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	1.19		0	8
Surface	A	940	15.6	1.19	1135	0	8
Coal	A	940	15.6	1.19	1135	0	8
Intermediate 1	A	816	15.6	1.19	1124	0	8
Intermediate 2							
Intermediate 3							
Production	A	3404	14.5	1.17	3997	0	8
Tubing							

Drillers TD (ft) 13,840' Loggers TD (ft) n/a
 Deepest formation penetrated Marcellus Plug back to (ft) n/a
 Plug back procedure n/a

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Kick off depth (ft) 5,753'

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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**Michter N-2HM
PEFORATION RECORD**

WV Department of
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Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	1/8/2021	13631	13678	48	Marcellus
2	1/9/2021	13431	13576	48	Marcellus
3	1/10/2021	13257	13402	48	Marcellus
4	1/11/2021	13082	13227	48	Marcellus
5	1/12/2021	12908	13053	48	Marcellus
6	1/13/2021	12733	12878	48	Marcellus
7	1/14/2021	12559	12704	48	Marcellus
8	1/15/2021	12384	12529	48	Marcellus
9	1/16/2021	12210	12355	48	Marcellus
10	1/17/2021	12035	12180	48	Marcellus
11	1/18/2021	11861	12006	48	Marcellus
12	1/18/2021	11686	11831	48	Marcellus
13	1/19/2021	11512	11657	48	Marcellus
14	1/19/2021	11337	11482	48	Marcellus
15	1/20/2021	11163	11308	48	Marcellus
16	1/20/2021	10988	11133	48	Marcellus
17	1/20/2021	10814	10959	48	Marcellus
18	1/20/2021	10639	10784	48	Marcellus
19	1/21/2021	10465	10610	48	Marcellus
20	1/21/2021	10290	10435	48	Marcellus
21	1/21/2021	10116	10261	48	Marcellus
22	1/21/2021	9941	10086	48	Marcellus
23	1/22/2021	9767	9912	48	Marcellus
24	1/22/2021	9592	9737	48	Marcellus
25	1/22/2021	9418	9563	48	Marcellus
26	1/22/2021	9243	9388	48	Marcellus
27	1/23/2021	9069	9214	48	Marcellus
28	1/23/2021	8894	9039	48	Marcellus
29	1/23/2021	8720	8865	48	Marcellus
30	1/23/2021	8545	8690	48	Marcellus
31	1/23/2021	8371	8516	48	Marcellus
32	1/24/2021	8196	8341	48	Marcellus
33	1/24/2021	8022	8167	48	Marcellus
34	1/24/2021	7847	7992	48	Marcellus
35	1/24/2021	7673	7818	48	Marcellus
36	1/25/2021	7498	7643	48	Marcellus
37	1/25/2021	7324	7469	48	Marcellus
38	1/25/2021	7149	7294	48	Marcellus
39	1/25/2021	6975	7120	48	Marcellus
40	1/25/2021	6800	6945	48	Marcellus
41	1/26/2021	6626	6771	48	Marcellus

08/27/2021

Michter N-2HM
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	86	8143	9112	3514	246020	6265	0
2	89	7061	5492	3464	449400	7709	0
3	90	7002	4873	5348	437500	7561	0
4	90	6888	4859	4503	440700	7704	0
5	90	6854	4932	4685	449080	7652	0
6	90	6801	4595	4519	444840	7564	0
7	90	6774	4961	4565	441120	7594	0
8	90	6744	4636	5687	443340	7510	0
9	90	6677	4912	4341	435860	7529	0
10	90	6578	5043	4116	447160	7722	0
11	90	6548	4861	4491	448640	8297	0
12	90	6473	4399	5473	437260	7454	0
13	90	6416	4521	5020	447760	7695	0
14	90	6595	4693	4716	447560	7542	0
15	90	6531	4382	4699	446980	7624	0
16	90	6583	4499	4642	445480	7526	0
17	88	6467	4459	5689	437140	7662	0
18	90	6385	4555	5047	442920	7568	0
19	90	6406	4689	5756	445600	7636	0
20	90	6431	4411	5970	436249	7348	0
21	90	6195	4894	4495	449700	7515	0
22	91	6312	4751	4942	445320	7505	0
23	90	6281	4551	4968	440440	7539	0
24	90	6320	4934	4719	436620	7354	0
25	90	6322	4621	5471	444320	7484	0
26	90	6261	4664	4612	446220	7414	0
27	90	6030	4528	5364	444380	7431	0
28	90	6085	4869	5080	444540	7427	0
29	89	5998	5184	4882	437060	8582	0
30	90	6048	4650	5001	435460	7320	0
31	91	6061	4790	5373	438720	7309	0
32	90	6080	4584	5482	442780	7433	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	90	5993	4745	4902	446820	7408	0
34	90	5951	4520	5412	445680	7414	0
35	90	6066	4598	5796	448460	7420	0
36	90	5867	4376	4396	443840	7291	0
37	90	5813	4318	5496	438240	7335	0
38	90	5955	4812	4624	449440	7359	0
39	89	5900	4542	5627	432460	7514	0
40	90	5981	4984	5257	445620	7367	0
41	89	5890	4820	4722	445280	7337	0

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MICHTER N-2HM

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	1950	2038	1951	2039	Sandstone
Big Lime	2038	2080	2039	2081	Limestone
Big Injun	2080	2426	2081	2428	Sandstone
Weir	2426	2552	2428	2554	Sandstone
Berea	2552	2775	2554	2777	Sandstone
Gordon	2775	2822	2777	2824	Sandstone
Fifty Foot	2822	3382	2824	3385	Sandstone
Spechley	3382	4754	3385	4759	Sandstone
Benson	4754	5123	4759	5134	Sandstone
Alexander	5123	5744	5134	5769	Siltstone
Rhinestreet	5744	6099	5769	6181	Black shale
Middlesex	6099	6181	6181	6309	Black shale
Geneseo/Burkett	6181	6209	6309	6358	Black shale
Tully	6209	6231	6358	6402	Limestone
Hamilton	6231	6263	6402	6482	Grey shale
Marcellus	6263	-	6482	-	Black shale

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/8/2021
Job End Date:	1/26/2021
State:	West Virginia
County:	Marshall
API Number:	47-051-02276-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Michter N 2HM
Latitude:	39.80294992
Longitude:	-80.79744907
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,487
Total Base Water Volume (gal):	12,932,640
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	Tug Hill Operating	Carrier/Base Fluid	Water	7732-18-5	100.00000	85.30366	None
Sand (40/70 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	9.47523	None
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	3.43879	None
Sand (30/50 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	1.29130	None
Hydrochloric Acid (7.5%)	PVS	Acidizing	Water	7732-18-5	85.00000	0.31484	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.13705	None
StimStream FR 9800	Chemstream	Friction Reducer	Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01838	None
			Butene, homopolymer	9003-29-6	25.00000	0.01838	None
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00221	None

MC MX 9-4743	Multi-Chem	Biocide					
			Sodium Nitrate	7631-99-4	60.00000	0.02179	None
LD-7750W	Multi-Chem	Scale Inhibitor					
			Methanol	67-56-1	60.00000	0.00498	None
			Phosphonic Acid Salt	Proprietary	5.00000	0.00041	None
ProFE 105	ProFrac	Iron Control					
			Citric Acid	77-92-9	100.00000	0.00135	None
ProHib 100	ProFrac	Acid Inhibitor					
			2-Propyn-1-ol compound w/ methyloxirane	38172-91-7	15.00000	0.00017	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	0.31484	
			Butene, homopolymer	9003-29-6	25.00000	0.01838	
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00221	
			Phosphonic Acid Salt	Proprietary	5.00000	0.00041	

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

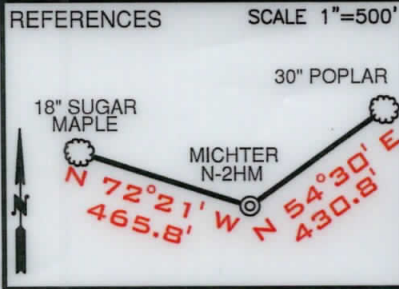
** Information is based on the maximum potential for concentration and thus the total may be over 100%

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)

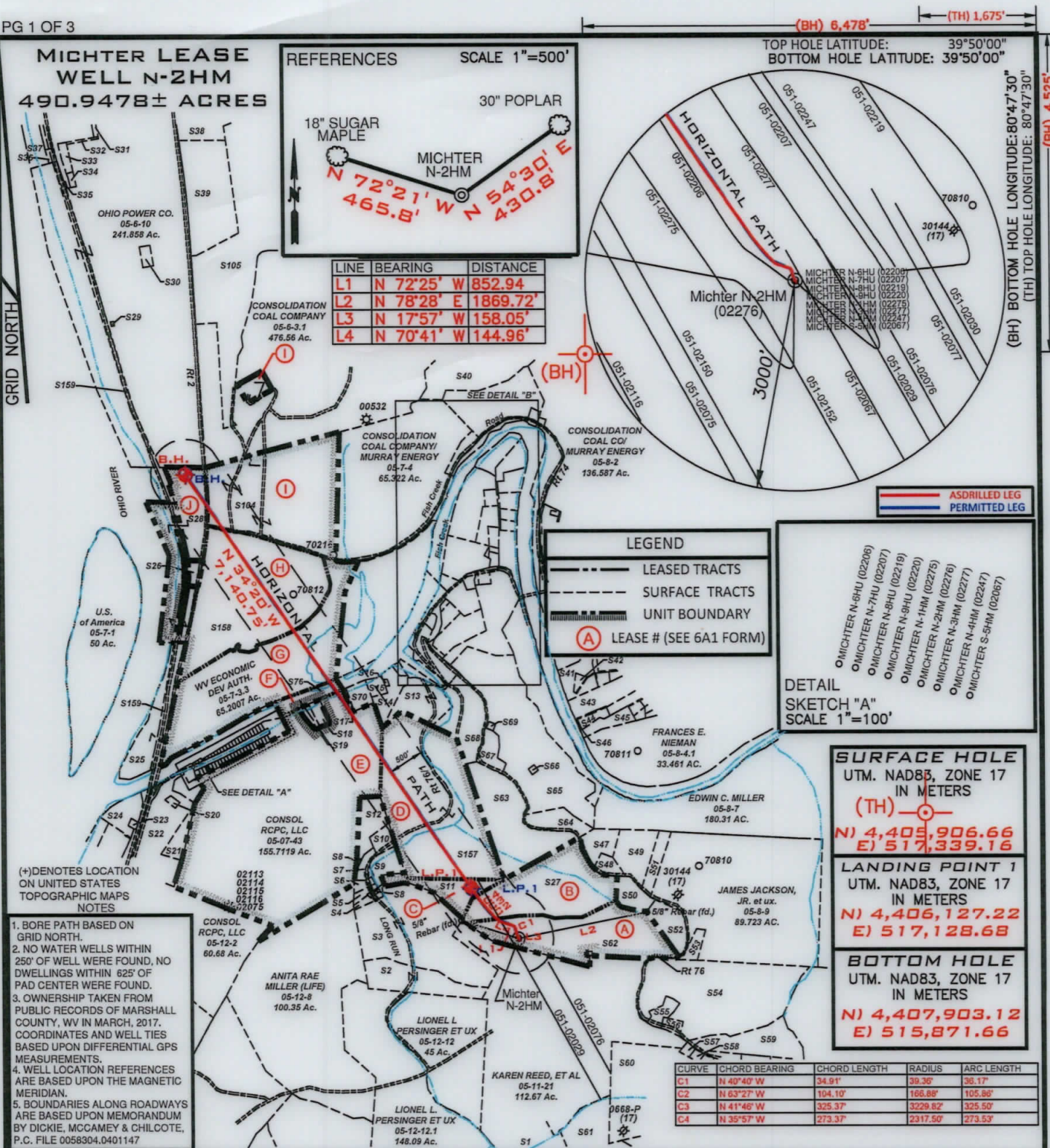
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**MICHTER LEASE
WELL N-2HM
490.9478± ACRES**



LINE	BEARING	DISTANCE
L1	N 72°25' W	852.94'
L2	N 78°28' E	1869.72'
L3	N 17°57' W	158.05'
L4	N 70°41' W	144.96'

GRID NORTH



LEGEND

- LEASED TRACTS
- - - SURFACE TRACTS
- ▬ UNIT BOUNDARY
- (A) LEASE # (SEE 6A1 FORM)

DETAIL SKETCH "A" SCALE 1"=100'

ASDRILLED LEG (Red line)
PERMITTED LEG (Blue line)

MICHTER N-2HM (02276)

MICHTER N-6HU (02206)
MICHTER N-7HU (02207)
MICHTER N-8HU (02219)
MICHTER N-9HU (02220)
MICHTER N-1HM (02275)
MICHTER N-2HM (02276)
MICHTER N-3HM (02277)
MICHTER N-4HM (02247)
MICHTER N-5HM (02067)

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
(TH) $N) 4,405,906.66$
 $E) 517,339.16$

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
 $N) 4,406,127.22$
 $E) 517,128.68$

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
 $N) 4,407,903.12$
 $E) 515,871.66$

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 40°40' W	34.91'	39.35'	36.17'
C2	N 63°27' W	104.10'	166.88'	105.88'
C3	N 41°46' W	325.37'	3229.82'	325.50'
C4	N 35°57' W	273.37'	2317.50'	273.53'

- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN MARCH, 2017. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147

FILE NUMBER _____

DRAWING NUMBER **MICHTER_N-2HM_REV2**

SCALE **1" = 2000'**

MINIMUM DEGREE OF ACCURACY **1/200**

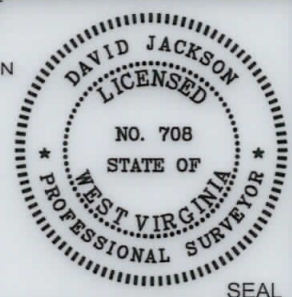
PROVEN SOURCE OF ELEVATION **SUBMETER MAPPING GRADE GPS**

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

P.S. 708
David L Jackson



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



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

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

LOCATION ELEVATION **1126.0'** WATERSHED (HUC 10) **FISH CREEK**

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

QUADRANGLE **POWHATAN POINT 7.5'** LEASE NUMBER **SEE WW-6A1 FORM**

SURFACE OWNER **LARRY W. DUNLAP, ET AL** ACREAGE **34.405**

OIL & GAS ROYALTY OWNER **LARRY W. DUNLAP, ET AL** LEASE ACREAGE **34.405**

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) **As Drilled**

TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **TVD: 6,227' TMD: 13,840'**

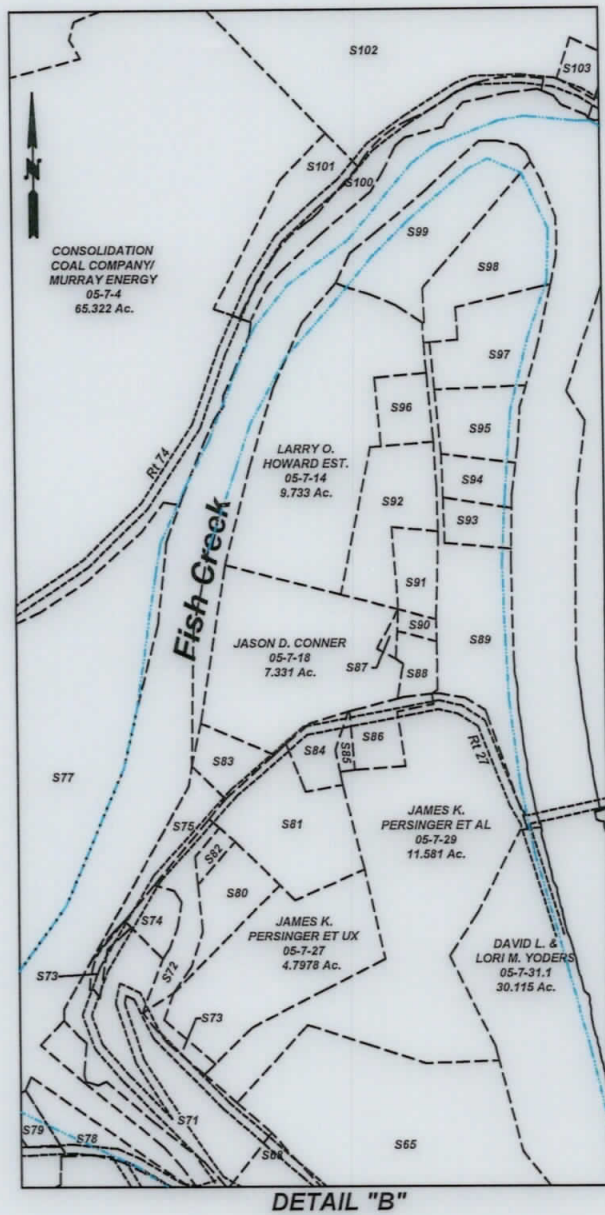
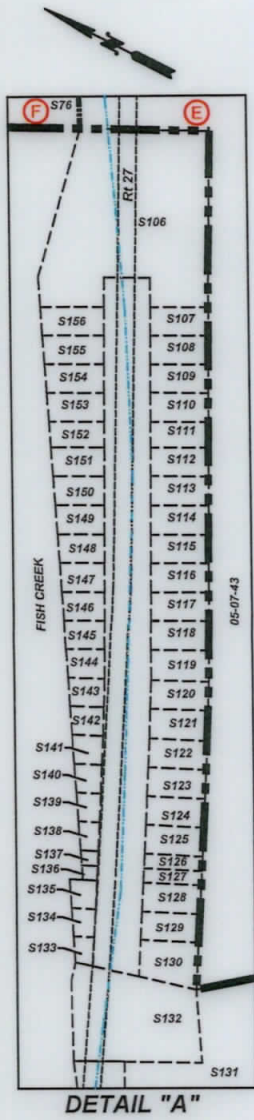
WELL OPERATOR **TUG HILL OPERATING, LLC** DESIGNATED AGENT **DIANNA STAMPER CT CORPORATION SYSTEM**

ADDRESS **1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107** ADDRESS **5400 D BIG TYLER ROAD CHARLESTON, WV 25313**

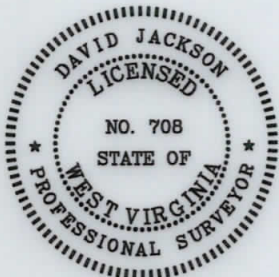
COUNTY NAME PERMIT

08/27/2021

PG 2 OF 3 MICTHER LEASE
WELL N-2HM
490.9478± ACRES



SURFACE HOLE UTM. NAD83, ZONE 17 IN METERS N) 4,405,906.58 E) 517,339.29
LANDING POINT 1 UTM. NAD83, ZONE 17 IN METERS N) 4,406,118.77 E) 517,133.35
BOTTOM HOLE UTM. NAD83, ZONE 17 IN METERS N) 4,407,903.18 E) 515,874.56



P.S.
708

David L Jackson

08/27/2021



OPERATOR'S
WELL #: Michter N-2HM
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API #: 47-051-02276

WELL PLAT
PAGE 2 OF 3
DATE: 04/22/2021

PG 3 OF 3
MICHTER LEASE
WELL N-2HM
490.9478± ACRES

Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES
S1	05-12-11	Wesley Bryan & Wesley Bryan II	52.478
S2	05-12-10	Consolidation Coal Company/ Murray Energy c/o Land Dept	13.76
S3	05-12-10.1	Consolidation Coal Company/ Murray Energy	38.48
S4	05-07-42.4	Jason Reed Hartley	0.94
S5	05-07-42.3	Joshua David Hartley	0.886
S6	05-07-42.2	Steven & Rhonda Lloyd	0.85
S7	05-07-44	Crystal B. Darrah	1.726
S8	05-07-42	Tracy M. Kesterson	0.54
S9	05-07-42.5	Matthew V. Conner, et al	3.791
S10	05-07-41	James A. Wade	1.00
S11 C	05-12-09	Lionel & Mary Lee Persinger	10.15
S12	05-07-42.1	Lionel L. & Mary Lee Persinger	5.99
S13	05-07-35	Samuel L. Persinger	10.708
S14	05-07-36	John Persinger	4.329
S15	05-07-38	John K. Persinger, et ux	2.65
S16	05-07-37	John K. Persinger, et ux	0.133
S17	05-07-43.3	M. Frank Mason	0.327
S18	05-7B-48	Cassidy Rain Carpenter	1.325
S19	05-7B-49	Cassidy Rain Carpenter	1.1441
S20	05-07-43.4	Ida L. Campbell	0.403
S21	05-07-43.1	WV DOH	1.48
S22		State Road Commission	17.62 Calc.
S23	05-7A-32	Dawn Thompson Tennant	0.3091
S24	05-7A-31	WV Dept. of Natural Resources	3.18
S25	05-07-03	Consolidation Coal Company/ Murray Energy	12.2641
S26	05-07-3.5	Wheeling Power Company	1.5004
S27 B	05-11-1.4	Larry Dunlap, et al	32.493
S28 J	05-07-3.1	Ohio Power Co.	28.9966
S29	05-06-16	Appalachian Power CP	0.61
S30	05-06-11	Consolidation Coal Company/ Murray Energy	1.05
S31	05-06-14	Cil Carbon, LLC	1.408
S32	05-06-13	Cil Carbon, LLC	0.318
S33	05-06-09	Cil Carbon, LLC	1.15
S34	05-06-12	Cil Carbon, LLC	0.43458
S35	05-06-18	Cil Carbon, LLC	0.2754
S36	05-06-1.2	Ohio Power Co.	0.693
S37	05-06-1.1	Cil Carbon, LLC	13.269
S38	05-06-06	Consolidation Coal Company/ Murray Energy	18.50
S39	05-06-05	Consolidation Coal Company/ Murray Energy	17.159
S40	05-06-04	Consolidation Coal Company/ Murray Energy	5.47
S41	05-8A-39	Barbara L. Daniels & Elaine Wills	3.223
S42	05-8A-40	Barbara L. Daniels & Elaine Wills	0.627
S43	05-8A-42	Robert M. White	7.23
S44	05-8A-46	Barbara L. Rose & Mary L. Rose	1.5
S45	05-8A-47	Barbara L. Rose & Mary L. Rose	3.0
S46	05-8A-45	Raymond A. Jr. & Larriette Scott	0.305
S47	05-11-01	William N. & Virginia A. Roupe	4.527
S48	05-11-1.6	Debra Morris	2.093
S49	05-11-1.7	William S. & Mary K. Adams	8.00
S50	05-11-1.3	Jay A. Conner, et ux	4.256
S51	05-11-1.5	Paul & Sandy Witt	3.507
S52	05-11-1.2	Jay A. Conner, et ux	5.824
S53	05-08-9.1	Scott E. Jackson, Tammy S. South & Marion Jackson	1.957
S54	05-11-02	Walter C. & Cheryl A. Rine	42.36
S55	05-11-2.2	Joshua A. Myers	2.193
S56	05-11-2.1	Walter C. & Cheryl A. Rine	1.19
S57	05-11-20	David E. Gray	0.569
S58	05-11-19	David E. Gray	0.532
S59	05-11-03	Kevin R. Corley, et ux	13.18
S60	05-11-17	Kevin R. Corley, et ux	36.13
S61	05-11-14	Hiram's Estate Family, LTD LLP	158.054
S62 A	05-11-1.1	Larry W. Dunlap, et al	34.405
S63	05-07-33	William N. Roupe	24.60
S64	05-07-32	William N. & Virginia A. Roupe	4.2

Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES
S65	05-07-31	William N. Roupe, et ux	43.147
S66	05-07-31.4	Grandview-Doolen PSD	0.23
S67	05-07-31.2	William N. Roupe, et ux	3.304
S68	05-07-34	WV DOH	10.88
S69	05-07-31.3	William N. & Virginia A. Roupe	0.230
S70	05-07-43.2	M. Frank Mason	1.36
S71	05-07-26	James A. Wade	7.80
S72	05-07-23.1	WV DOH	2.37
S73	05-07-25	WV DOH	0.50
S74	05-07-24	James A. Wade	0.578
S75	05-07-45	Robert L. Henry (Life) & Jeffrey S. Henry	0.65
S76 F	Fish Creek	State of WV	4.181 Calc
S77	05-07-3.2	Ohio Power Company	45.5348
S78	05-07-35.1	Lionel L. & Marylee Persinger	0.812
S79	05-07-36.1	Lionel L. & Mary Lee Persinger	0.5579
S80	05-07-23	Arlie L. Powell	1.435
S81	05-07-27.1	Mark L. Riter, et ux	3.427
S82	05-07-23.2	Robert L. Henry (Life) & Jeffrey S. Henry	0.256
S83	05-07-21	Aaron S. Meyer	1.775
S84	05-07-22	Jesus & Mary Bustamante	0.782
S85	05-07-28.1	Jesus & Mary Bustamante	0.200
S86	05-07-28	Thelma M. Roupe	0.940
S87	05-07-18.1	Debra L. Bennett	0.13
S88	05-07-17	Debra L. Bennett	0.614
S89	05-07-15	William Roupe, et ux	6.631
S90	05-07-16	Debra L. Bennett	0.235
S91	05-07-14.2	Robert L. Eyley, Sr. & Jessica L. Bennett	0.998
S92	05-07-14.3	Steven H. Howard	2.669
S93	05-07-15.1	Woodland Hills Recreation Club	1.016
S94	05-07-13	Woodland Hills Recreation Club	1.109
S95	05-07-12	Carol A. & Shelva G. Smith	2.01
S96	05-07-14.1	Larry O. Howard, Est.	1.00
S97	05-07-11	Roy S. & Cynthia M. Meadows	2.90
S98	05-07-10.1	Sandra Kay Beymer & Chad M. Wright	4.237
S99	05-07-10	Darren Edward Thacker	4.737
S100	05-07-5.1	George A. Knuth	2.95
S101	05-07-05	CNX Gas Company, LLC	1.407
S102	05-07-06	CNX Gas Company, LLC	21.171
S103	05-07-07	Consolidation Coal Company/ Murray Energy	1.00
S104 I	I 05-07-02	Consolidation Coal Company/ Murray Energy	46.46
S105	05-06-03	Ohio Power Co.	281.046
S106	05-7B-01	Patricia L. Robinson	1.257
S107	05-7B-47	Daniel D. Robinson, et ux	0.1148
S108	05-7B-46	Daniel D. Robinson, et ux	0.1148
S109	05-7B-45	Daniel D. & Mary E. Robinson	0.1148
S110	05-7B-44	Daniel D. & Mary E. Robinson	0.1148
S111	05-7B-43	Teresa & Thomas Gouldsberry	0.1148
S112	05-7B-42	Teresa & Thomas Gouldsberry	0.1194
S113	05-7B-41	Teresa & Thomas Gouldsberry	0.1148
S114	05-7B-40	Teresa & Thomas Gouldsberry	0.1148
S115	05-7B-39	Teresa & Thomas Gouldsberry	0.1148
S116	05-7B-38	Teresa & Thomas Gouldsberry	0.1148
S117	05-7B-37	Teresa & Thomas Gouldsberry	0.1148
S118	05-7B-36	Albert J. Anderson, Jr.	0.1148
S119	05-7B-35	Albert J. Anderson, Jr.	0.1217
S120	05-7B-34	Albert J. Anderson, Jr.	0.1148
S121	05-7B-33	Albert J. Anderson, Jr.	0.1182
S122	05-7B-32	Albert J. Anderson, Jr.	0.1148
S123	05-7B-31	Cindy D. Aliff, et al	0.1148
S124	05-7B-30	Cindy D. Aliff, et al	0.1148
S125	05-7B-29	Cindy D. Aliff	0.1148
S126	05-7B-28.1	Cindy D. Aliff	0.0574
S127	05-7B-28	Cindy D. Aliff	0.0574
S128	05-7B-27	Patricia A. Johnson	0.1148
S129	05-7B-26	Cindy D. Aliff	0.1148
S130	05-7B-25	Cindy D. Aliff	0.1673
S131	05-7A-02	Raymond M. & Amy A. Litman	2.23
S132	05-7A-01	Lucille Myers	0.529
S133	05-7B-24	Cindy D. Aliff	0.0354
S134	05-7B-23	Cindy D. Aliff	0.0471
S135	05-7B-22	Cindy D. Aliff	0.0505
S136	05-7B-21	Cindy D. Aliff	0.0287
S137	05-7B-21.1	Cindy D. Aliff	0.0296
S138	05-7B-20	Cindy D. Aliff	0.0626
S139	05-7B-19	Cindy D. Aliff	0.0712
S140	05-7B-18	Cindy D. Aliff	0.0763
S141	05-7B-17	Albert J. Anderson, Jr.	0.0849
S142	05-7B-16	Albert J. Anderson, Jr.	0.0903
S143	05-7B-15	Albert J. Anderson, Jr.	0.0970
S144	05-7B-14	Albert J. Anderson, Jr.	0.0991
S145	05-7B-13	Albert J. Anderson, Jr.	0.1067
S146	05-7B-12	Teresa & Thomas Gouldsberry	0.1113
S147	05-7B-11	Teresa & Thomas Gouldsberry	0.1159
S148	05-7B-10	Teresa & Thomas Gouldsberry	0.1199
S149	05-7B-09	Teresa & Thomas Gouldsberry	0.1240
S150	05-7B-08	Teresa & Thomas Gouldsberry	0.1286
S151	05-7B-07	Teresa & Thomas Gouldsberry	0.1331
S152	05-7B-06	Teresa & Thomas Gouldsberry	0.1377
S153	05-7B-05	Daniel D. & Mary E. Robinson	0.1418
S154	05-7B-04	Daniel D. & Mary E. Robinson	0.1458
S155	05-7B-03	Daniel D. Robinson, et ux	0.1504
S156	05-7B-02	Daniel D. Robinson, et ux	0.1550
S157 D	D 05-07-39	Lionel L. Persinger, et ux	57.00
S158 H	H 05-07-3.4	WV Economic Development	56.3496
S159		CSX Transportation	



P.S. 708 *David L Jackson*



TUG HILL
OPERATING

OPERATOR'S
 WELL #: Michter N-2HM
 DISTRICT: Franklin
 COUNTY: Marshall
 STATE: WV
 API #: 47-051-02276

WELL PLAT
PAGE 3 OF 3
DATE: 04/22/2021

08/27/2021