

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

JUL 28 2020

API 47-051-02113 County Marshall District Franklin Department of Environmental Protection  
Quad Powhatan Point 7.5' Pad Name Woodford Field/Pool Name  
Farm name CNX RCPC, LLC Well Number Woodford 1HM  
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 4,406,022.20 Easting 516,090.43  
Landing Point of Curve Northing 4,405,958.58 Easting 515,536.91  
Bottom Hole Northing 4,406,059.16 Easting 516,637.03

Elevation (ft) 1234.05' 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 10/23/2018 Date drilling commenced 4/29/2019 Date drilling ceased 9/19/2019  
Date completion activities began 1/28/2020 Date completion activities ceased 2/7/2020  
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 838' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1595' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 734-740', 832-838' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:

*Justin Huber*  
8/10/2020

API 47-051 - 02113 Farm name CNX RCPC, LLC Well number Woodford 1HM

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"	929'	NEW	54.5#	N/A	Y
Coal	17 1/2"	13 3/8"	929'	NEW	54.5#	N/A	Y
Intermediate 1	12 1/4"	9 5/8"	2,787'	NEW	36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8 3/4"	5 1/2"	14,619'	NEW	20#	N/A	Y
Tubing		2 3/8"	7,309'	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		15.6	1.19		0	8
Surface	A	1014	15.6	1.19	1225	0	8
Coal	A	1014	15.6	1.19	1225	0	8
Intermediate 1	A	797	15.6	1.19	1098	0	8
Intermediate 2							
Intermediate 3							
Production	A	3364	14.5	1.17	3919	0	8
Tubing							

Drillers TD (ft) 14,644' Loggers TD (ft) n/a  
 Deepest formation penetrated Marcellus  
 Plug back procedure n/a

Kick off depth (ft) 6,029'

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 \_\_\_\_\_





**WOODFORD 1HM  
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	2012	2100	2016	2105	Sandstone
Big Lime	2100	2142	2105	2147	Limestone
Big Injun	2142	2488	2147	2499	Sandstone
Weir	2488	2614	2499	2627	Sandstone
Berea	2614	2837	2627	2853	Sandstone
Gordon	2837	2884	2853	2901	Sandstone
Fifty Foot	2884	3444	2901	3489	Sandstone
Spechley	3444	4816	3489	5202	Sandstone
Benson	4816	5185	5202	5664	Sandstone
Alexander	5185	5806	5664	6397	Siltstone
Rhinestreet	5806	6180	6397	6867	Black shale
Middlesex	6180	6268	6867	7020	Black shale
Geneseo/Burkett	6268	6299	7020	7087	Black shale
Tully	6299	6319	7087	7134	Limestone
Hamilton	6319	6335	7134	7180	Grey shale
Marcellus	6335	-	7180	-	Black shale

**Woodford 1HM**

**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	90.2	6882	5851	4250	441240	8791	0
2	89.6	7035	5501	4442	444140	8927	0
3					442180	9880	0
4	90.4	6679	4846	4897	445440	8400	0
5	90.4	6714	4881	4517	440880	8661	0
6	90.1	6755	5086	4667	438200	8478	0
7	90.4	6894	5391	4513	448000	8483	0
8	90.5	6847	5314	4643	440600	8451	0
9	89.4	6769	5393	4189	444140	8541	0
10	90	6731	5237	4537	439640	8484	0
11	90.5	6738	5031	5157	443700	8589	0
12	89.6	6746	4786	4321	437120	8415	0
13	89.4	6682	4933	4279	441500	8502	0
14	90.3	6643	4978	4939	440320	8438	0
15	90.4	6781	5061	4922	440760	8345	0
16	90	6721	5001	4559	445220	8396	0
17	90.2	6601	4842	4529	443360	8301	0
18	90.1	6507	4707	4750	442260	8275	0
19	90.2	6433	4856	4163	434370	8243	0
20	90.5	6519	4699	4317	446680	8294	0
21	90.2	6588	4756	4620	442280	8238	0
22	89.8	6562	4877	4396	445080	8309	0
23	90.1	6542	4961	4627	437960	8310	0
24	90.2	6643	4871	4508	439660	8268	0
25	90.1	6938	5171	4992	438920	8231	0
26	89.7	6810	5181	4650	438900	8270	0
27	90.2	6830	5104	4860	444420	8330	0
28	90.3	6717	5029	4840	445720	8264	0
29	90.1	6589	5000	4190	439560	8110	0
30	90.1	6471	4874	4816	444140	8279	0
31	90.4	6560	5430	4839	440880	8268	0
32	90.1	6421	4974	4046	440020	8147	0

33	90	6393	4915	4580	44180	8135	0
34	90.3	6431	5127	4488	436740	7979	0
35	91.2	6421	5062	4483	443120	8177	0
36	90.6	6345	5033	4366	442320	8186	0
37	90.2	6298	4771	4733	443400	7865	0
38	90	6288	4872	4714	443620	8144	0
39	89.7	6245	5135	4777	442940	8173	0
40	90.4	6292	4886	4414	438260	8127	0

**Woodford 1HM  
PEFORATION RECORD**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	1/28/2020	14229	14375	48	Marcellus
2	1/29/2020	14054	14200	48	Marcellus
3	1/29/2020	13229	13384	48	Marcellus
4	1/29/2020	13704	13850	48	Marcellus
5	1/29/2020	13529	13675	48	Marcellus
6	1/30/2020	13354	13500	48	Marcellus
7	1/30/2020	13179	13325	48	Marcellus
8	1/30/2020	13004	13150	48	Marcellus
9	1/30/2020	12829	12975	48	Marcellus
10	1/31/2020	12654	12800	48	Marcellus
11	1/31/2020	12479	12625	48	Marcellus
12	1/31/2020	12304	12450	48	Marcellus
13	1/31/2020	12129	12275	48	Marcellus
14	2/1/2020	11954	12100	48	Marcellus
15	2/1/2020	11779	11925	48	Marcellus
16	2/1/2020	11604	11750	48	Marcellus
17	2/2/2020	11429	11575	48	Marcellus
18	2/2/2020	11254	11400	48	Marcellus
19	2/2/2020	11079	11225	48	Marcellus
20	2/2/2020	10904	11050	48	Marcellus
21	2/3/2020	10729	10875	48	Marcellus
22	2/3/2020	10554	10700	48	Marcellus
23	2/3/2020	10379	10525	48	Marcellus
24	2/3/2020	10204	10350	48	Marcellus
25	2/4/2020	10029	10175	48	Marcellus
26	2/4/2020	9854	10000	48	Marcellus
27	2/4/2020	9679	9825	48	Marcellus
28	2/4/2020	9504	9650	48	Marcellus
29	2/4/2020	9329	9475	48	Marcellus
30	2/5/2020	9154	9300	48	Marcellus
31	2/5/2020	8979	9125	48	Marcellus
32	2/5/2020	8804	8950	48	Marcellus
33	2/5/2020	8629	8775	48	Marcellus
34	2/6/2020	8454	8600	48	Marcellus
35	2/6/2020	8279	8425	48	Marcellus
36	2/6/2020	8104	8250	48	Marcellus
37	2/6/2020	7929	8075	48	Marcellus
38	2/7/2020	7754	7900	48	Marcellus
39	2/7/2020	7579	7725	48	Marcellus
40	2/7/2020	7404	7550	48	Marcellus



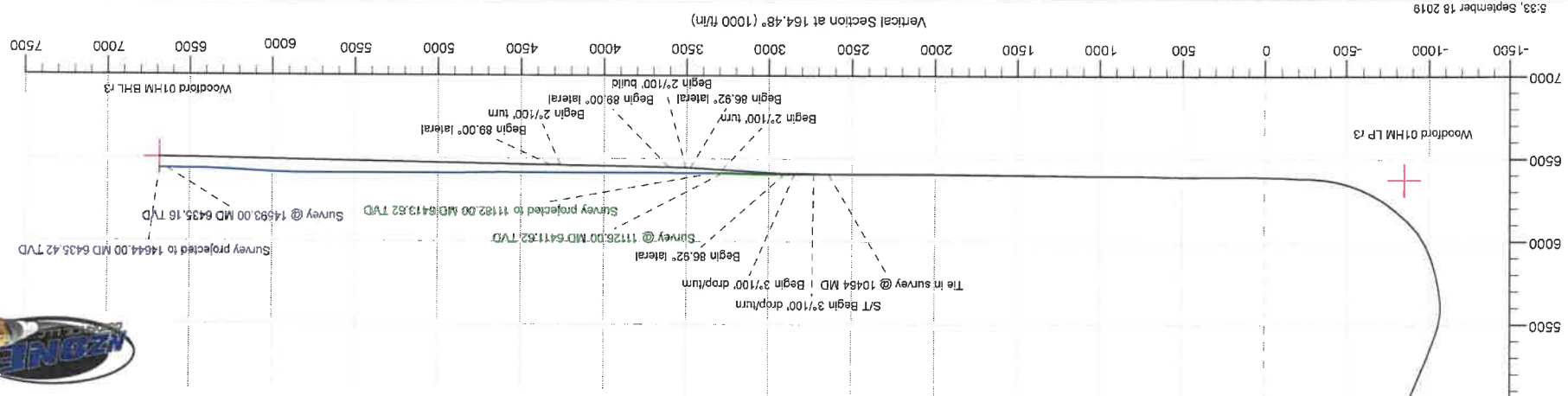
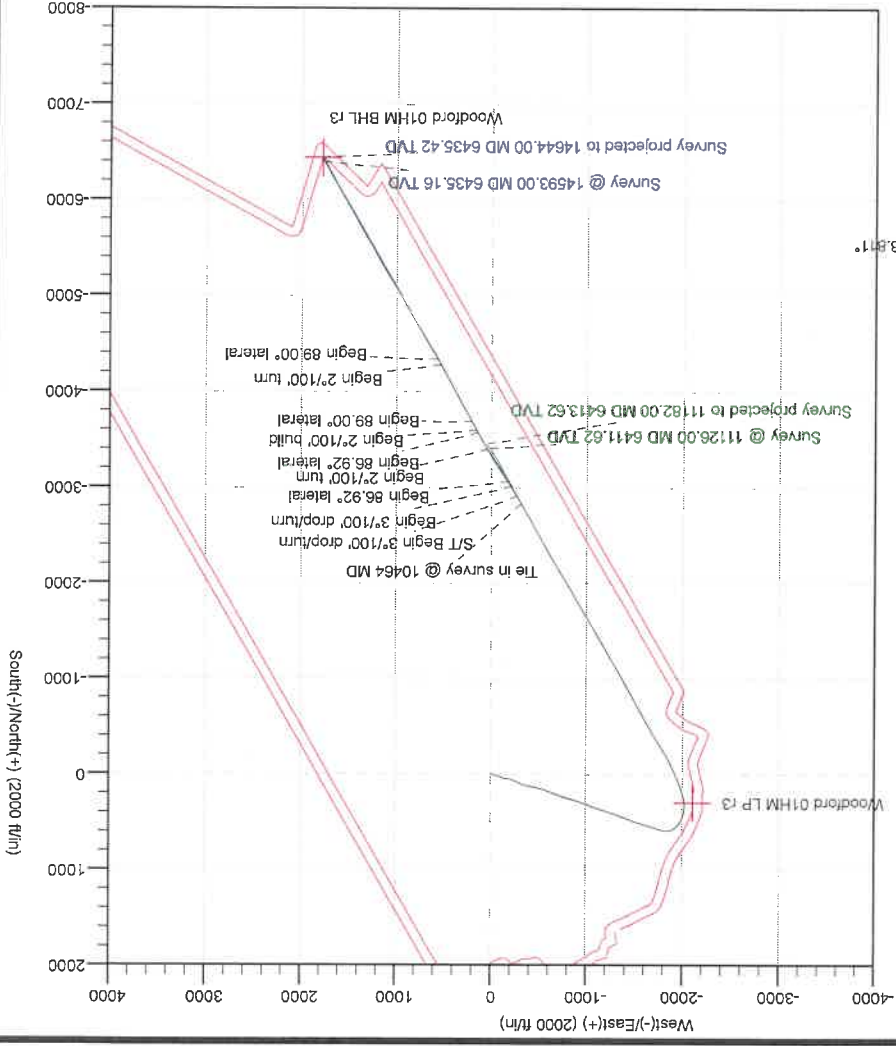


**Well: Woodford 01HM (A)**  
**Site: Woodford**  
**Project: Marshall County, West Virginia**  
**Design: rev4**  
**Rig: Nabors X08**

**SECTION DETAILS**

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
10464.00	90.15	6407.12	-2826.97	-304.66	0.00	0.00	Tie in survey @ 10464 MD
2	10553.00	6405.27	-2904.49	-260.94	0.89	5.063	S/T Begin 3°/100' drop/turn
1	10464.00	6407.12	-2826.97	-304.66	0.00	0.00	Tie in survey @ 10464 MD
1	10464.00	90.15	150.54	150.54	0.00	0.00	Annotation
2	10553.00	90.94	150.61	150.61	0.00	0.00	S/T Begin 3°/100' drop/turn
3	10673.00	87.82	148.81	148.81	0.00	0.00	Tie in survey @ 10464 MD
4	10733.00	86.92	147.25	147.25	0.00	0.00	Begin 86.92° lateral
5	1133.00	86.92	147.25	147.25	0.00	0.00	Begin 2°/100' turn
6	1133.00	86.92	147.25	147.25	0.00	0.00	Begin 86.92° lateral
7	1363.00	86.92	151.25	151.25	0.00	0.00	Begin 2°/100' build
8	1468.84	86.90	151.25	151.25	0.00	0.00	Begin 89.00° lateral
9	12141.84	89.00	151.25	151.25	0.00	0.00	Begin 2°/100' turn
10	12204.35	89.00	150.00	150.00	0.00	0.00	Begin 89.00° lateral
11	14643.05	89.00	150.00	150.00	0.00	0.00	PBH/LTD 14643.05 MD/6503.26 TVD
MD <td>Inc <td>Azi <td>TVD <td>+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td></td></td></td></td>	Inc <td>Azi <td>TVD <td>+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td></td></td></td>	Azi <td>TVD <td>+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td></td></td>	TVD <td>+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td></td>	+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td>	+E/-W <td>Vsect <td>Annotation</td> </td>	Vsect <td>Annotation</td>	Annotation
1182.00	87.96	148.07	6411.62	-3403.33	20.59	3284.74	Survey @ 11126.00 MD 6411.62 TVD
1126.00	87.96	148.07	6411.62	-3403.33	20.59	3284.74	Survey @ 11126.00 MD 6411.62 TVD
190.00	0.91	213.39	189.99	-1.26	0.93	0.93	MWD surveys
1182.00	87.96	148.07	6411.62	-3403.33	20.59	3284.74	Survey @ 11126.00 MD 6411.62 TVD
1182.00	87.96	148.07	6413.62	-3460.63	50.18	3338.43	Survey projected to 11126.00 MD 6413.62 TVD
MD <td>Inc <td>Azi <td>TVD <td>+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td></td></td></td></td>	Inc <td>Azi <td>TVD <td>+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td></td></td></td>	Azi <td>TVD <td>+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td></td></td>	TVD <td>+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td></td>	+N/-S <td>+E/-W <td>Vsect <td>Annotation</td> </td></td>	+E/-W <td>Vsect <td>Annotation</td> </td>	Vsect <td>Annotation</td>	Annotation
10464.00	89.71	150.54	6435.42	-6440.40	1783.33	6685.41	Survey projected to 14644.00 MD 6435.42 TVD
14593.00	89.71	150.54	6435.16	-6396.00	1768.25	6635.92	Tie into original hole @ 10464 MD
14593.00	89.71	150.54	6435.42	-6440.40	1783.33	6685.41	Survey projected to 14644.00 MD 6435.42 TVD

**Geodetic System:** Universal Transverse Mercator (US Survey Feet)  
**Date:** NAD83 West Virginia - HARN  
**Ellipsoid:** GRS 1980  
**Zone:** 17N (84 W to 78 W)  
**System Datum:** Mean Sea Level  
**Depth Reference:** RKB=1235+33 @ 1268.00ft (Nabors X08)  
**Northing** 14456424.58  
**Easting** 1693206.67  
**Latitude** 39.80401642  
**Longitude** -80.81203489  
**Total Corr (M->G):** To convert a Magnetic Direction to a Grid Direction, Subtract 8.81°  
**Magnetic North:** -8.81°  
**True North:** -0.12°  
**Azimuths to Grid North**  
**Magnetic Field**  
**Strength:** 51935.15nT  
**Date:** 8/14/2019  
**Model:** IGRF2015







# WOODFORD LEASE WELL 1HM 531.3379± ACRES

(+)DENOTES LOCATION  
ON UNITED STATES  
TOPOGRAPHIC MAPS

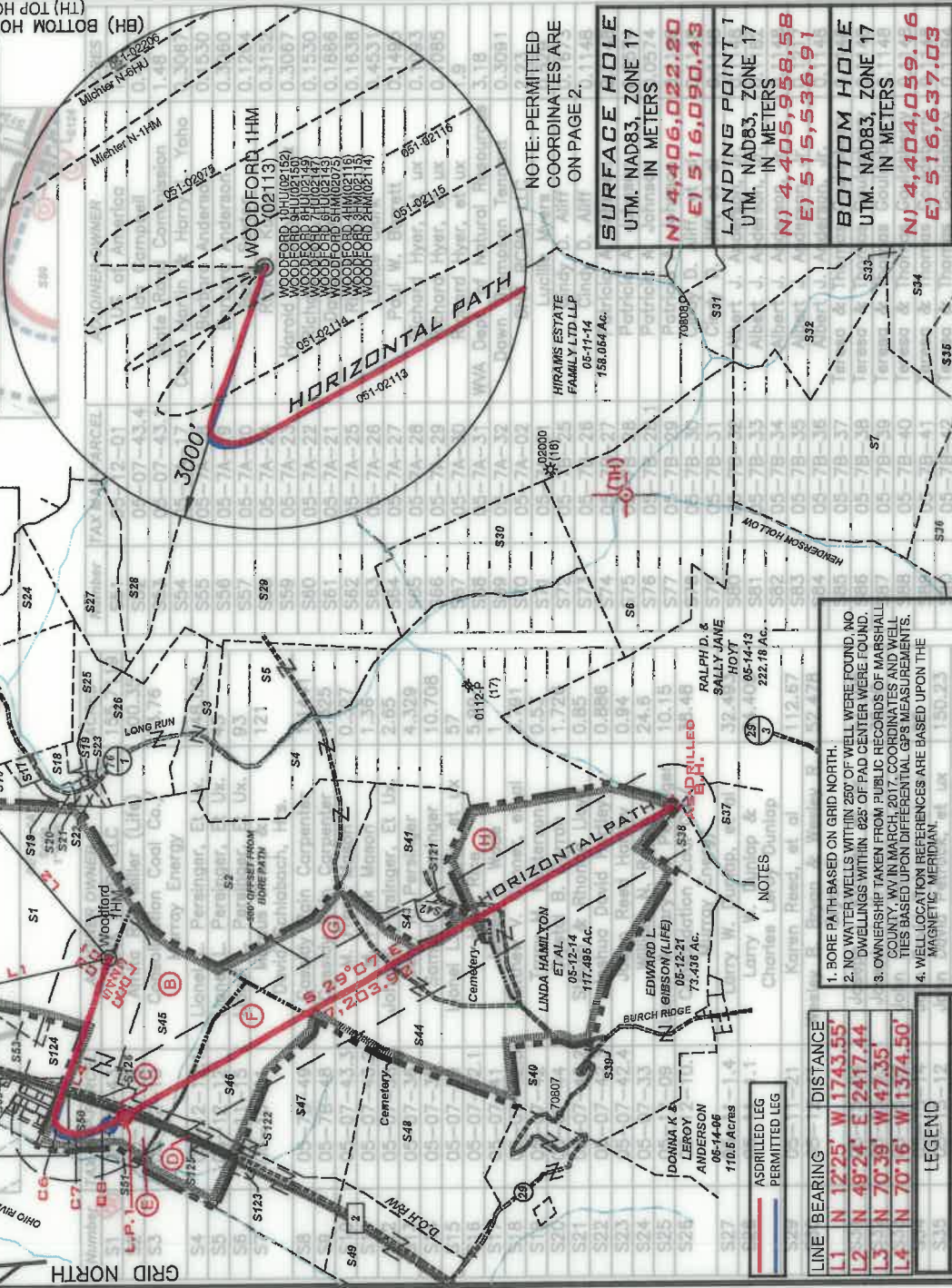
DETAIL  
SKETCH "A"  
SCALE 1"=100'

REFERENCES  
SCALE 1"=400'  
20" BLACK  
CHERRY  
S 71°51'E  
324.9'  
WOODFORD 1HM  
18" SUGER  
MAPLE

(BH) BOTTOM HOLE LONGITUDE:  
80°47'30"

(TH) TOP HOLE LONGITUDE:  
80°47'30"

GRID NORTH



NOTE: PERMITTED  
COORDINATES ARE  
ON PAGE 2.

**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
**N) 4,406,022.20**  
**E) 516,090.43**

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
**N) 4,405,958.58**  
**E) 515,536.91**

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
**N) 4,404,059.16**  
**E) 516,637.03**

LINE	BEARING	DISTANCE
L1	N 12°25' W	1743.55'
L2	N 49°24' E	2417.44'
L3	N 70°39' W	47.35'
L4	N 70°16' W	1374.50'

LEGEND	
	LEASE TRACTS
	SURFACE TRACTS
	UNIT BOUNDARY
	LEASE # (SEE 6A1 FORM)

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. COORDINATE VALUES ARE BASED ON THE 1983 ADRIEL TRACTS. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

CURVE	CHORD	BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 79°37' V	25.49'	61.79'	25.56'	270.18'
C2	N 64°15' V	46.18'	254.10'	46.18'	504.84'
C3	N 75°56' V	75.18'	201.85'	75.52'	305.57'
C4	N 74°09' V	52.33'	97.82'	52.99'	143.49'

FILE NUMBER 05-12-13  
DRAWING NUMBER WOODFORD\_WP\_1HM  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION SUBMETER MAPPING  
GRADE GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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*  
DAVID JACKSON  
LICENSED PROFESSIONAL SURVEYOR  
NO. 708  
STATE OF WEST VIRGINIA

JACKSON SURVEYING INC.  
P.O. Box 1480  
Clarksburg, WV 26302  
304-923-8851

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 1234.05' WATERSHED (HUC 10) FRENCH CREEK - OHIO RIVER

DISTRICT FRANKLIN COUNTY MARSHALL  
QUADRANGLE POWHATAN POINT 7.5' LEASE NUMBER SEE WW-6A1 Form

SURFACE OWNER CNX RPCG, LLC  
OIL & GAS ROYALTY OWNER HG ENERGY II APPALACHIA LC (TRACT 5-7-43)  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORMATE NEW FORMATION  OTHER PHYSICAL CHANGE (SPECIFY) **ASDRILLED**

ACREAGE 155.7119  
LEASE ACREAGE 155.7119

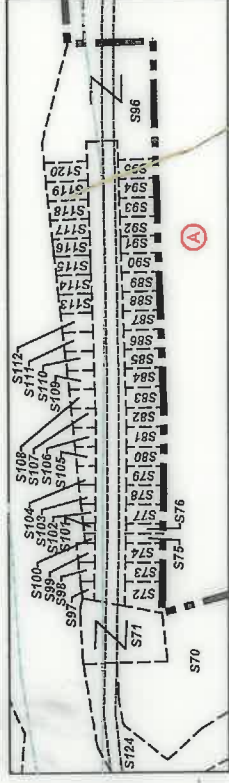
TARGET FORMATION MARCELLUS  
WELL OPERATOR TUG HILL OPERATING, LLC  
DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500  
FORT WORTH, TX 76107

PERMIT  
DIST ESTIMATED DEPTH **TVD: 6,435' TMD: 14,644'**  
CLEAN OUT & REPLUG

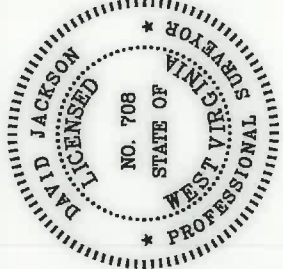
COUNTY NAME  
COUNTY MARSHALL  
STATE COUNTY ROBINSON, PERMIT



**WOODFORD LEASE  
WELL 1HM  
531.3379± ACRES**



Number	TAX MAP-PARCEL	ADJOINER OWNER	ACRES	ADJOINER OWNER	ACRES
S1	05-07-43	CNX RCPC, LLC	155.7119	US of America	1.68
S2	05-12-08	Amita Rae Miller (Life)	100.35	Iida Campbell	0.403
S3	05-12-10	Consolidation Coal Co./ Murray Energy	13.78	State Road Commission	1.48
S4	05-12-12.1	Lionel L. Persinger, Et Ux.	148.09	Carol Martin & Harry L. Yoho	0.3067
S5	05-12-12	Lionel L. Persinger, Et Ux.	45	Barbara Anderson	0.1530
S6	05-11-15	Lionel L. Persinger, Et Ux.	93	Barbara Anderson	0.3060
S7	05-15-01	Marcus Sharp & David Schlabach, Hrs.	121	Betty Sexton	0.1204
S8	05-7B-49	Cassidy Rain Carpenter	1.1441	Rick A. Kosky	0.3152
S9	05-7B-48	Cassidy Rain Carpenter	1.325	Harold S. Young, et ux	0.3067
S10	05-07-43.3	M. Frank Mason	0.327	Richard Hyer, et ux	0.1530
S11	05-07-43.2	M. Frank Mason	1.36	David A. Beyser	0.1866
S12	05-07-38	John K. Persinger, Et Ux.	2.65	Rick A. Kosky	0.1638
S13	05-07-36	John K. Persinger	4.329	Lance Clark	0.4531
S14	05-07-35	Samuel L. Persinger	10.708	Paul W. Barrett	0.1495
S15	05-07-39	Lionel L. Persinger, et ux	57	Richard Hyer, et ux	0.1093
S16	05-07-42.1	Holly Rice	5.99	Richard Hyer, et ux	0.1085
S17	05-07-41	James A. Wade	1	Richard Hyer, et ux	1.9
S18	05-07-42.5	Matthew V. Conner, et al	3.791	WMA Dept. of Natural Resources	3.18
S19	05-07-42	Tracy M. Kesterson	0.53	Dawn Thompson Tennant	0.3091
S20	05-07-44	Crystal B. Darrah	1.726	CNX RCPC, LLC	2.23
S21	05-07-42.2	Steven & Rhonda Lloyd	0.85	Lucille Myers	0.529
S22	05-07-42.3	Joshua David Hartley	0.886	Cindy D. Aliff	0.1673
S23	05-07-42.4	Jason Reed Hartley	0.94	Cindy D. Aliff	0.1148
S24	05-07-33	William N. Rouppe	24.6	Patricia A. Johnson	0.0574
S25	05-12-09	Lionel & Mary Lee Persinger	10.15	Patricia A. Johnson	0.0574
S26	05-12-10.1	Consolidation Coal Co./ Murray Energy	38.48	Patricia A. Johnson	0.1148
S27	05-11-1.4	Larry W. Dunlap, et al	32.493	Cindy D. Aliff, et al	0.1148
S28	05-11-1.1	Larry W. Dunlap & Charles Leroy Dunlap	34.405	Albert J. Anderson, Jr.	0.1148
S29	05-11-21	Karen Reed, et al	112.87	Albert J. Anderson, Jr.	0.1182
S30	05-12-11	Wesley B. Bryan & Wesley R. Bryan II	52.478	Albert J. Anderson, Jr.	0.1217
S31	05-15-04	Joseph J. Kramer, et ux	41.106	Albert J. Anderson, Jr.	0.1148
S32	05-15-03	Joseph J. Kramer, et ux	36.10	Teresa & Thomas Gouldsberry	0.1148
S33	05-15-02	John David Petrack, et ux	5	Teresa & Thomas Gouldsberry	0.1148
S34	05-15-14	John David Petrack, et ux	25	Teresa & Thomas Gouldsberry	0.1148
S35	05-15-12	John David Petrack, et ux	150.23	Teresa & Thomas Gouldsberry	0.1194
S36	05-15-15	Robert L. Shields, et al	49	Teresa & Thomas Gouldsberry	0.1148
S37	05-14-12	Dale R. Gallagher, et al	135.100	Daniel D. & Mary E. Robinson	0.1148
S38	05-14-10	Wanda P. Rine (Life)	107.372	Daniel D. & Mary E. Robinson	0.1148
S39	05-12-15	Woodland Hills Church of God Trs.	0.375	Daniel D. Robinson, et ux	0.1148
S40	05-12-21.1	Robert W. Jr. & Wendy L. Riggensbach	14.222	Daniel D. Robinson, et ux	0.1148
S41	05-12-13	Linda Hamilton, et al	41.887	Cindy D. Aliff	0.354
S42	05-12-7.1	Raymond K. Miller	1.609	Cindy D. Aliff	0.9471
S43	05-12-7.2	Raymond K. Miller	4.66	Patricia A. Johnson	0.0505
S44	05-12-07	Robert Wm. Riggensbach, et ux	104.231	Patricia A. Johnson	0.0287
S45	05-12-02	CNX RCPC, LLC	60.68	Patricia A. Johnson	0.0296
S46	05-12-03	CNX LAND, LLC	62.30	Patricia A. Johnson	0.0626
S47	05-12-05	CNX LAND, LLC	61.883	Cindy D. Aliff, et al	0.0712
S48	05-12-06	CNX RCPC, LLC	70.81	Cindy D. Aliff, et al	0.0763
S49	05-12-6.2	Consolidation Coal Co./ Murray Energy	25.50	Albert J. Anderson, Jr.	0.0849
S50	05-12-2.1	Consolidation Coal Co./ Murray Energy	22	Albert J. Anderson, Jr.	0.0903
			<b>SURFACE HOLE</b>	Albert J. Anderson, Jr.	0.0970
			UTM. NAD83, ZONE 17	Albert J. Anderson, Jr.	0.0991
			IN METERS	Albert J. Anderson, Jr.	0.1067
			<b>N) 4,406,022.22</b>	Teresa & Thomas Gouldsberry	0.1113
			<b>E) 516,090.43</b>	Teresa & Thomas Gouldsberry	0.1159
			<b>LANDING POINT 1</b>	Teresa & Thomas Gouldsberry	0.1199
			UTM. NAD83, ZONE 17	Teresa & Thomas Gouldsberry	0.1240
			IN METERS	Teresa & Thomas Gouldsberry	0.1286
			<b>N) 4,406,011.91</b>	Teresa & Thomas Gouldsberry	0.1377
			<b>E) 515,507.92</b>	Teresa & Thomas Gouldsberry	0.1311
			<b>BOTTOM HOLE</b>	Teresa & Thomas Gouldsberry	0.1351
			UTM. NAD83, ZONE 17	Teresa & Thomas Gouldsberry	0.1418
			IN METERS	Teresa & Thomas Gouldsberry	0.1458
			<b>N) 4,404,058.87</b>	Teresa & Thomas Gouldsberry	0.1504
			<b>E) 516,635.51</b>	Teresa & Thomas Gouldsberry	0.1550
				Raymond K. Miller	1.257
				CNX RCPC, LLC	0.113
				CNX RCPC, LLC	0.52
				State Road Commission	0.93
				CSX Transportation	17.62(Calc.)
				WW DOT	4.99(Calc.)
				Rt. 2	3.93(Calc.)
				Rt. 2	3.93(Calc.)



P.S. 708  
*David Jackson*



**TUG HILL**  
**OPERATING**

OPERATOR'S

WELL PLAT

API #: 47-051-02113  
WELL #: Woodford 1HM  
DISTRICT: Franklin  
COUNTY: Marshall  
STATE: WV

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DATE: 07/20/2020