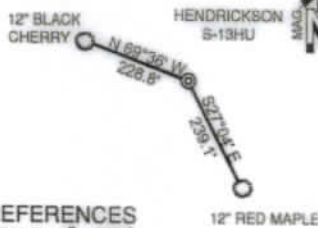


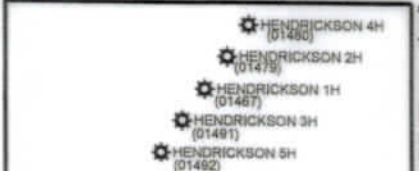
**HENDRICKSON S-13HU  
UTICA UNIT  
423.8123± ACRES  
TUG HILL OPERATING**



REFERENCES  
SCALE 1"=200'

(+) DENOTES LOCATION  
ON UNITED STATES  
TOPOGRAPHIC MAPS

TOP HOLE LATITUDE: 39°45'00"  
BOTTOM HOLE LATITUDE: 39°45'00"



DETAIL  
SKETCH "A"  
SCALE 1"=100'

(BH) BOTTOM HOLE LONGITUDE: 80°42'30"  
(TH) TOP HOLE LONGITUDE: 80°42'30"

**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,399,478.69  
E) 521,597.12

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,399,782.07  
E) 522,242.09

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,397,912.49  
E) 523,307.66



Deep Wells Within 2400' of Proposed  
Well's Surface Location and/or 500' of Well Lateral

API	OPERATOR
47-051-02479	Tug Hill Operating, LLC
47-051-02480	Tug Hill Operating, LLC
47-051-02481	Tug Hill Operating, LLC
47-051-02482	Tug Hill Operating, LLC
47-051-02483	Tug Hill Operating, LLC
47-051-02484	Tug Hill Operating, LLC

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Deed Book/Page
10*14138	5-24-1	A	LINDA AND DONALD HENDRICKSON	666 528
10*14460	5-17-8	B	GERTRUD GODDARD, H G WELLS AIF, ET AL	735 515
10*14024	5-24-2	C	ROY FRIEND YOHO AND DARLENE J YOHO, ET AL	665 508
10*14462	5-24-4	D	JERRY ELTON RICHMOND, ET AL	744 57
10*14068	5-24-3.2	E	ROHN JEAN MARTIN, ET AL	666 552
10*14068	5-24-3.3	F	ROHN JEAN MARTIN, ET AL	666 552
10*39661	9-20-1	G	SHELLIE J PEKULA AND MICHAEL PEKULA	1126 542
10*39661	9-20-2	H	SHELLIE J PEKULA AND MICHAEL PEKULA	1126 542
10*14525	5-25-2	I	IMA LEE YOHO	757 192
10*14524	5-25-3	J	IMA LEE YOHO	757 194
10*31101	9-20-4	K	ELIZABETH BRINKMEIER ET AL	103 183

**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 FEBRUARY, 2023. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.  
4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.  
5. BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0088304.0401147  
6. ALL DEEP WELLS ARE SHOWN ON THIS PLAT.  
7. LP1 & LTP ARE THE SAME POINT.

**LEGEND**  
--- LEASE TRACTS  
--- SURFACE TRACTS  
--- WELL LATERAL  
--- POINT PLEASANT LEGS  
--- UNIT BOUNDARY  
--- LEASE # (SEE GAS FORM)  
--- 400' BORE PATH OFFSET  
--- 500' WELL BORE OFFSET  
○ (FTP) PROPOSED FIRST TAKE POINT  
○ (LTP) PROPOSED LAST TAKE POINT  
--- FORCED POOL TRACT

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 53°32' E	32.08'	189.41'	32.12'
C2	N 46°37' E	87.11'	827.41'	87.15'
C3	N 67°08' E	61.49'	81.19'	63.06'
C4	S 77°02' E	73.39'	167.17'	73.99'
C5	S 58°36' E	101.48'	438.37'	101.71'
C6	S 48°23' E	130.99'	945.29'	131.09'
C7	S 38°56' E	295.46'	1584.49'	295.89'
C8	S 31°20' E	223.07'	2389.93'	223.15'

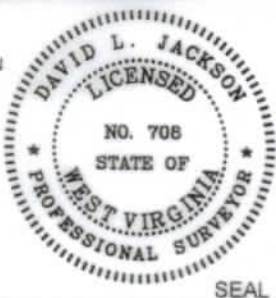
FILE NUMBER \_\_\_\_\_  
DRAWING NUMBER HENDRICKSON\_S-13HU\_REV2  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING  
GRADE GPS

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 1490  
Clarksburg, WV 26302  
304-623-5851



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

DATE: MARCH 7, 2023  
OPERATORS WELL NO HENDRICKSON S-13HU  
API WELL NO. 47-051-02485  
STATE COUNTY PERMIT  
LOCATION ELEVATION 1220.33' WATERSHED (HUC 10) Rocky Fork of Fish Creek (HUC-10)  
DISTRICT Franklin COUNTY Marshall  
QUADRANGLE Wileyville 7.5' LEASE NUMBER SEE WW-6A1 Form  
SURFACE OWNER LINDA L. PICKERING HENDRICKSON ACREAGE 175.0  
OIL & GAS ROYALTY OWNER LINDA L. PICKERING HENDRICKSON LEASE ACREAGE 175.0  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION   
PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_  
TARGET FORMATION POINT PLEASANT PLUG & ABANDON  CLEAN OUT & REPLUG   
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

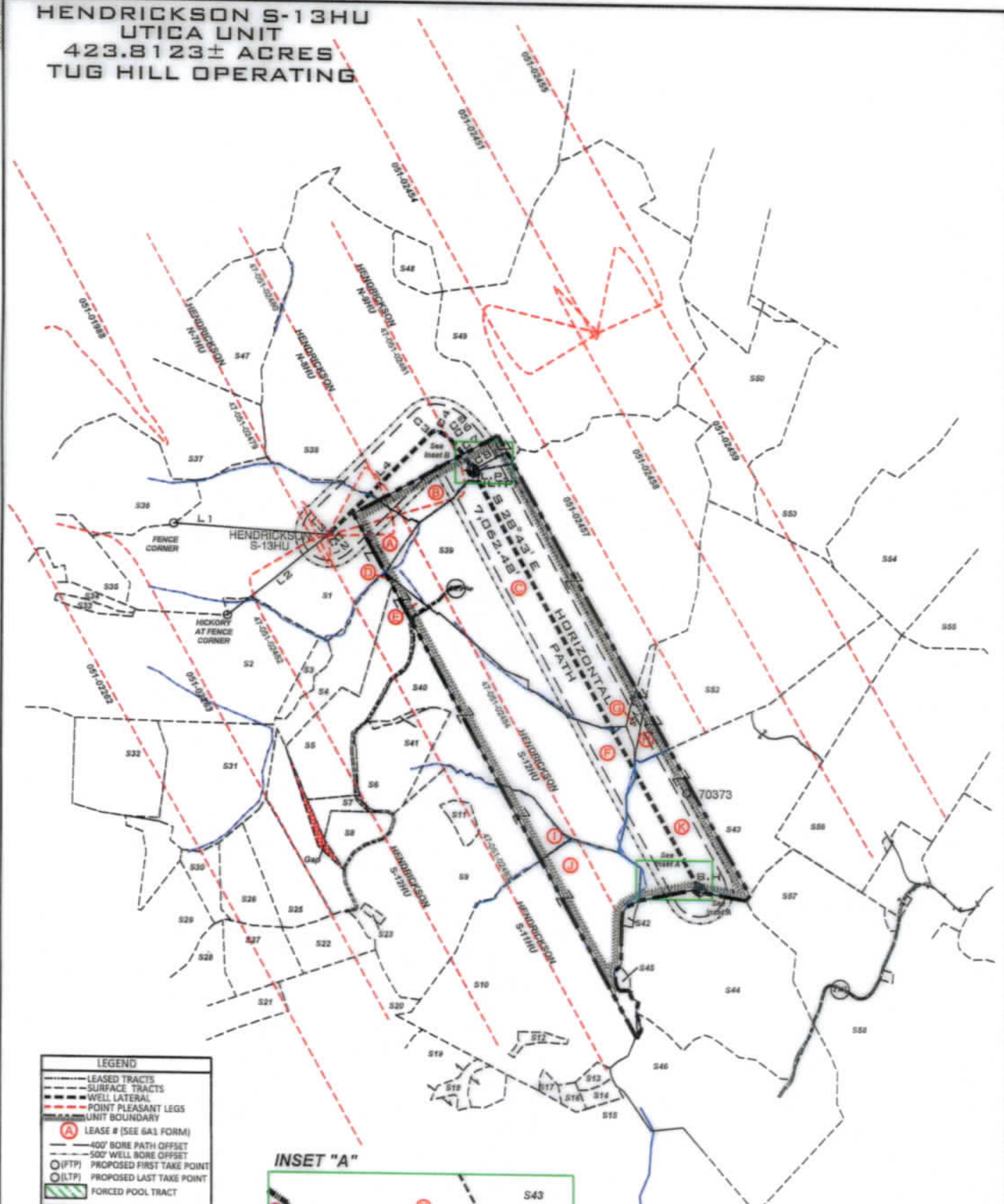
04/28/2023

COUNTY NAME  
PERMIT



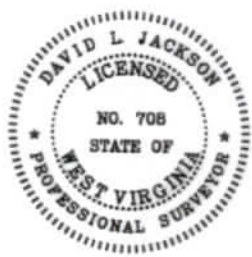
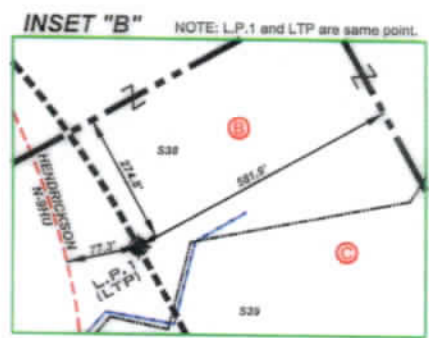
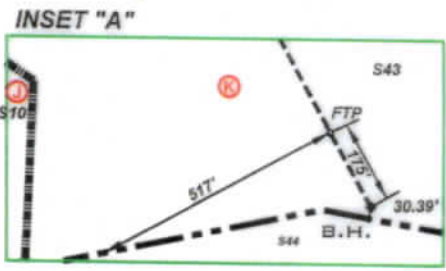
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**HENDRICKSON S-13HU  
UTICA UNIT  
423.8123± ACRES  
TUG HILL OPERATING**



**LEGEND**

- LEASE TRACTS
- SURFACE TRACTS
- - - WELL LATERAL
- - - POINT PLEASANT LEGS
- - - UNIT BOUNDARY
- (A) LEASE # (SEE 6AL FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- FORCED POOL TRACT



P.S. 708 *David L Jackson*

04/28/2023



**TUG HILL  
OPERATING**

WELL #: Hendrickson S-13HU  
 DISTRICT: Franklin  
 COUNTY: Marshall  
 STATE: WV  
 API #: 47-051-02485

**WELL PLAT**  
 PAGE 2 OF 3  
 DATE: 3/07/2023

form wv6

**HENDRICKSON S-13HU  
UTICA UNIT  
423.8123± ACRES  
TUG HILL OPERATING**

Parcels within Unit Boundary				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	05-24-1	LINDA L PICKERING HENDRICKSON	175
B	S38	05-17-8	ROGER H HALL, JR	257.50
C	S39	05-24-2	ROY FRIEND YOHO	316.80
D	S4	05-24-4	TERRY E SIMMS, ET UX	84.05
E	S5	05-24-3.2	TH EXPLORATION II, LLC	49
F	S40	05-24-3.3	CHARLES E & DEBRA K BERTRAND	120.43
G	S51	09-20-1	MICHAEL JAMES PEKULA	5
H	S52	09-20-2	MICHAEL JAMES PEKULA	138
I	S9	05-25-2	JAMES W KLUG	122.3
J	S10	05-25-3	SD & SUSAN SMITH FERTITTA	181.548
K	S43	09-20-4	SHELLIE J PEKULA, HRS	171


Adjoining Parcels Ownership Table				
	Number	Tax Map -Parcel	Surface Owner	Acres
	S2	05-24-5	ROBERT C FRANCIS ET UX (LIFE)	145.78
	S3	05-25-21	TERRY E SIMMS, ET UX	7
	S6	05-24-3	CHARLES E & DEBRA K BERTRAND	30.914
	S7	05-24-3.1	TH EXPLORATION II, LLC	5.50
	S8	05-25-2.2	JOHN G KLUG, SR	10
	S11	05-25-2.3	KELSEY E KLUG	5
	S12	05-25-3.1	SD & SUSAN SMITH FERTITTA	3.022
	S13	05-25-5	TERRY L & TAMMY J KIRKLAND AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	1.12
	S14	05-25-06	TERRY L & TAMMY J KIRKLAND AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	3
	S15	12-3-41.1	TERRY L & TAMMY J KIRKLAND AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	74.138
	S16	05-25-4	TERRY L & TAMMY J KIRKLAND AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	5
	S17	05-10-18	JOHN & RENEE HART, REVOCABLE LIVING TRUST	2
	S18	05-25-10.1	TERRY L & TAMMY J KIRKLAND AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	5.250
	S19	05-25-10	TERRY L & TAMMY J KIRKLAND AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	18.75
	S20	05-25-12	MARION PARSONS JR, ET AL	85.16
	S21	05-25-12.1	KENT & BETTY MASON	15
	S22	05-25-13.3	WILLIAM M SR & CYNTHIA A FERDA	17.21
	S23	05-25-2.1	NANCY JACKSON	1
	S24	05-25-1.4	SAMANTHA J & PHILIP A NAMLIK	24.44
	S25	05-25-1.3	PHILIP A & SAMANTHA K NAMLIK	26.20
	S26	05-25-1.2	WILLIAM JR & ANDREA J DUBIEL	20.10
	S27	05-25-1.5	RYAN J BRATTON	21.35
	S28	05-25-13	WILLIAM M FERDA JR & STEPHANIE L PALICKA	16.014
	S29	05-25-1	MICHAEL L MASON	35.43
	S30	05-25-1.1	RYAN A & JAQUELINE E LAYMAN	9.79
	S32	05-24-6	TERRY E SIMMS, ET UX	42.84
	S33	05-24-5.2	JAMES D WATKINS ET UX	3.151
	S34	05-24-5.1	JAMES D WATKINS ET UX	4.60
	S35	05-23-7	TERRY E SIMMS, ET UX	123.097
	S36	05-17-11.1	RANDY W FRANCIS ET UX	67
	S37	05-17-9.4	VICKI L BOWEN	60.3
	S41	05-24-3.4	CHARLES E & DEBRA K BERTRAND	1.27
	S42	09-22-1.1	CNG TRANSMISSION CO	1.43
	S44	9-22-1	LOUIS T FOX	124.57
	S45	05-25-3.2	CONSOL ENERGY HOLDINGS, LLC	1.43
	S46	09-22-02	MARK H J MILLER, ET AL	124.80
	S47	05-17-9	LLOYD RICHARD OLIVER, ET UX	61.6
	S48	05-17-7	ALPINE FARM, LLC	10.8
	S49	05-17-6	ALPINE FARM, LLC	249.07
	S50	09-18-1	THERESA MAE LONG THOMAS ET AL	58.66
	S53	09-18-2	BRIAN T KLUG	85
	S54	09-18-18	JAMES D FROHNAPFEL ET UX	154.03
	S55	09-20-6	KEITH & KRISTY FERRELL REVOCABLE LIVING TRUST	64.75
	S56	09-20-5	GERALD A FROHNAPFEL ET UX -ESTATES TRUST	164.143
	S57	09-22-3.2	MARK H MILLER	75
	S58	09-22-3	MARK HILARY MILLER	62.73



P.S. 708

*David L Jackson*

04/28/2023

 <p><b>TUG HILL OPERATING</b></p>	OPERATOR'S	<b>WELL PLAT</b>
	WELL #: <u>Hendrickson S-13HU</u>	<b>PAGE 3 OF 3</b>
	DISTRICT: <u>Franklin</u>	<b>DATE: 3/07/2023</b>
	COUNTY: <u>Marshall</u>	
	STATE: <u>WV</u>	
API #: <u>47-051-02485</u>		