

LINE	BEARING	DISTANCE
L1	N 02°42' E	2,821.63'
L2	N 76°49' W	2,309.91'
L3	N 14°04' E	1,397.28'

- 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 DECEMBER, 2002. 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 0058304.0401147.

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 30°14' E	43.32'	67.59'	44.10'
C2	N 77°56' E	37.30'	49.74'	38.23'
C3	S 64°57' E	76.77'	169.24'	77.44'
C4	S 48°13' E	118.57'	622.60'	118.75'
C5	S 38°02' E	248.54'	1365.80'	248.88'
C6	S 31°16' E	181.19'	2286.75'	181.23'

SURFACE HOLE
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,400,435.36
 E) 522,777.64

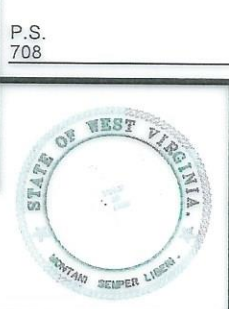
LANDING POINT 1
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,400,725.34
 E) 523,017.55

BOTTOM HOLE
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,398,308.82
 E) 524,412.81

- LEGEND**
- LEASED TRACTS
 - - - SURFACE TRACTS
 - WELL LATERAL
 - MARCELLUS LEGS
 - UNIT BOUNDARY
 - (A) LEASE # (SEE 6A1 FORM)

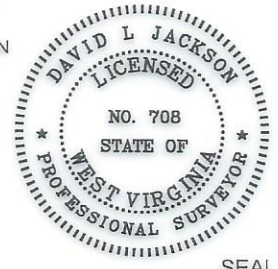
FILE NUMBER _____
 DRAWING NUMBER: PENDLETON S-1HM_REVO
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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
 304-823-5851



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

DATE: MARCH 14, 2023
 OPERATORS WELL NO. PENDLETON S-1HM
 API WELL NO. 47-051-02468
 STATE WV COUNTY MARSHALL PERMIT 02468

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

LOCATION ELEVATION 1271.82' WATERSHED (HUC 10) FISH CREEK

DISTRICT FRANKLIN COUNTY MARSHALL
 QUADRANGLE GLEN EASTON 7.5' LEASE NUMBER SEE WW-6A1 Form

SURFACE OWNER ALPINE FARM, LLC ACREAGE 249.07
 OIL & GAS ROYALTY OWNER ELI A. & FANNIE MAE WENGERD, ET AL LEASE ACREAGE 249.07
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___
 PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) _____

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,809' TMD: 16,441'

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

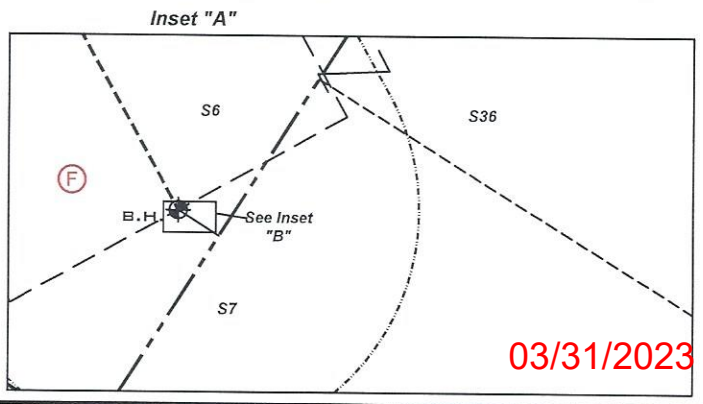
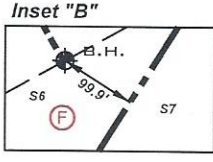
03/31/2023

COUNTY NAME
 PERMIT

form ww6

**PENDLETON S-1HM
MERCCELLUS UNIT -
865.873± ACRES
TUG HILL OPERATING**

Parcels within Unit Boundary				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	05-17-06	ALPINE FARM LLC	249.07
B	S2	09-18-01	THOMAS THERESA MAE LONG ET AL	58.66
C	S3	09-18-02	BRIAN T KLUG	85.0
D	S4	09-20-02	MICHAEL JAMES PEKULA	138.0
E	S5	09-20-04	SHELLIE J PEKULA, HRS	171
F	S6	09-20-05	GERALD A FROHNAPFEL ET UX TRUST	164.143
Adjoining Parcels Ownership Table				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
	S7	09-20-22	CHARLES DILLION BLAKE & ALLISON R. KLUG	70.2398
	S8	09-20-22.3	GRANDVIEW-DOOLIN PUBLIC SERVICE DISTRICT	0.23
	S9	09-20-5.2	WHEELING CATHOLIC DIOCESE	0.447
	S10	09-20-22.8	JOAN LOUISE KLUG	.80
	S11	09-22-04	WHEELING CATHOLIC DIOCESE	20
	S12	09-22-5.1	HILARY G MILLER EST	10.62
	S13	09-22-3.1	MARGARET ANN MYSLIWIEC -LIFE	1.1
	S14	09-22-03	MARK HILARY MILLER	63.73
	S15	09-22-3.2	MARK H MILLER	75
	S16	09-22-01	LOUIS T FOX	124.57
	S17	05-25-03	S.D. & SUSAN SMITH FERTITTE	181.548
	S18	05-24-3.3	CHARLES E BERTRAND & DEBRA K BERTRAND	120.43
	S19	05-24-02	ROY FRIEND YOHO	316.8
	S20	05-17-08	ROGER H HALL JR	257.5
	S21	05-17-07	ALPINE FARM LLC	10.8
	S22	05-17-04	ALPINE FARM LLC	212
	S23	05-17-05	ALPINE FARM LLC	76.96
	S24	09-16-02	ROBERT & NANCY MCCARDLE	53.4
	S25	09-16-05	ROBERT M & NANCY MCCARDLE	133
	S26	09-16-03	BERTHA L KLUG	71
	S27	09-16-04	BERTHA L KLUG	73.39
	S28	09-18-04	BERTHA L KLUG	1
	S29	09-18-03	BERTHA L KLUG	1.33
	S30	09-18-05	BERTHA L KLUG	122.437
	S31	09-18-18	JAMES D FROHNAPFEL ET UX	154.03
	S32	09-20-06	KEITH & KRISTY FERRELL REVOCABLE LIVING TRUST	64.75
	S33	09-20-7.2	MICKEY R DULANEY JR	2.242
	S34	09-20-11	PATRICK A FROHNAPFEL ET UX	139.88
	S35	09-20-07	SONNY M & LINDA L TAGG	72.828
	S36	09-20-7.1	DAVID PAUL FROHNAPFEL	4.930
	S37	09-20-9.5	JAMES MILLER ET UX	0.666
	S38	09-20-9.6	JAMES MILLER ET UX	2.919
	S39	09-20-9.3	JAMES MILLER ET UX	0.804
	S40	09-20-10	JAMES MILLER ET UX	0.5
	S41	09-20-9.4	HELEN B SHUTLER - LIFE	0.78
	S42	09-22-1.1	CNG TRANSMISSION CO	1.43
	S43	09-20-1	MICHAEL JAMES PEKULA ET UX	5



P.S. 708 *David L Jackson*

03/31/2023



**TUG HILL
OPERATING**

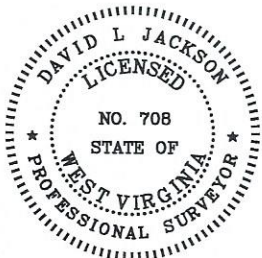
OPERATOR'S
WELL #: PENDLETON S-1HM
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API #: 47-051-02468

WELL PLAT
PAGE 2 OF 3
DATE: 3/14/2023

form wv6

**PENDLETON S-1HM
 MERCELLUS UNIT -
 865.873± ACRES
 TUG HILL OPERATING**

LEASE ID	TMP	TAG	GRANTOR, LESSOR, ETC.	DEED BOOK/PAGE	
10*14114	5-17-6	A	ELI & FANNIE MAE WENGERD	671	323
10*28262	9-18-1	B	JAMES W MESSEY ET AL	67	487
10*28262	9-18-2	C	JAMES W MESSEY ET AL	67	487
10*39661	9-20-2	D	SHELLIE J PEKULA AND MICHAEL PEKULA	1126	542
10*31101	9-20-4	E	ELIZABETH BRINKMEIER ET AL	103	183
10*19555	9-20-5	F	MARY JEAN FROHNAPFEL	936	525



P.S.
708

David L Jackson

03/31/2023



**TUG HILL
 OPERATING**

OPERATOR'S
 WELL #: PENDLETON S-1HM
 DISTRICT: Franklin
 COUNTY: Marshall
 STATE: WV
 API #: 47-051-02468

WELL PLAT
 PAGE 3 OF 3
 DATE: 03/14/2023