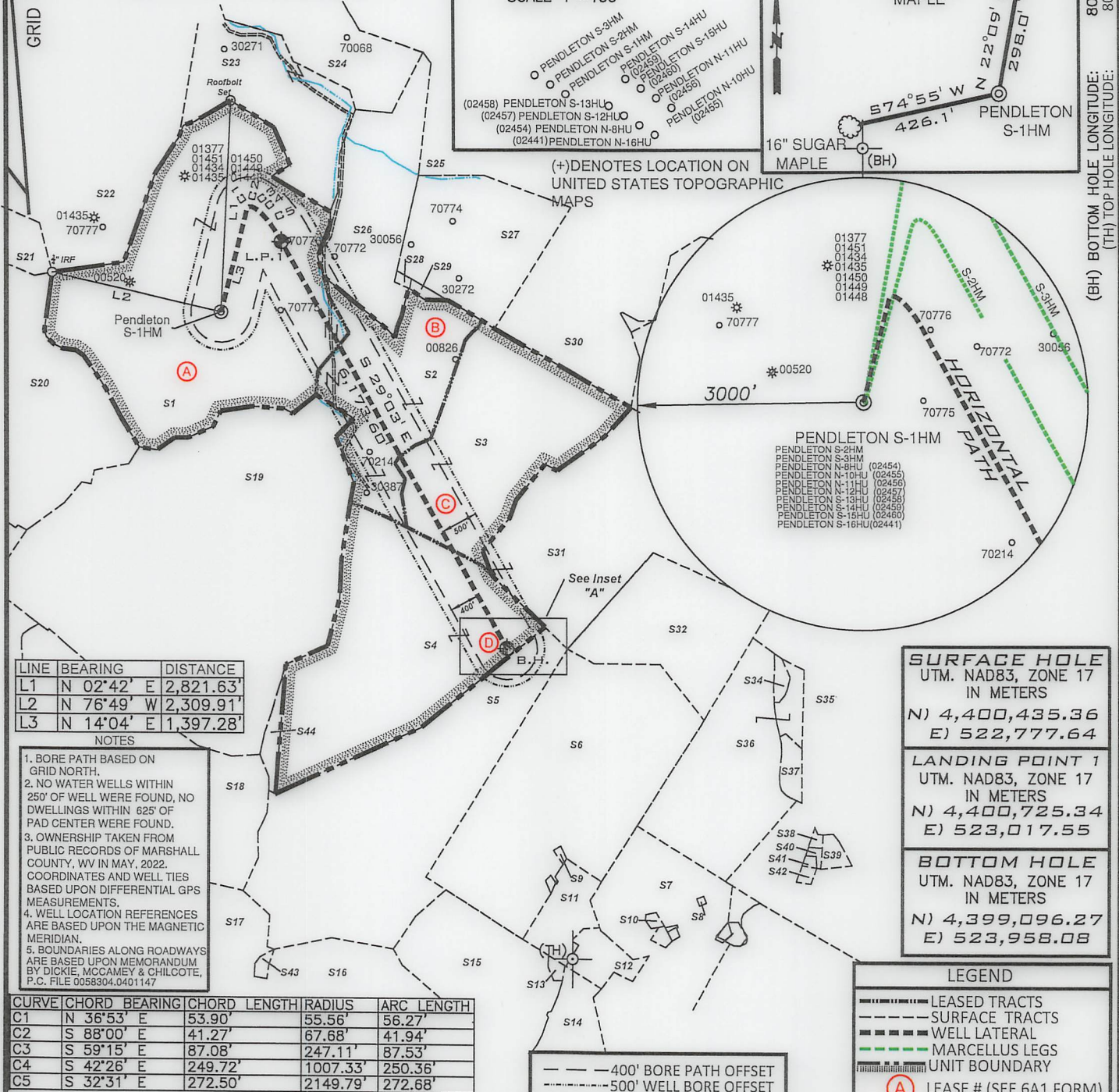
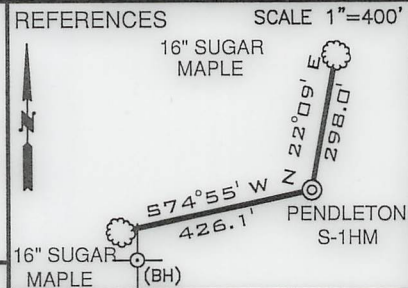
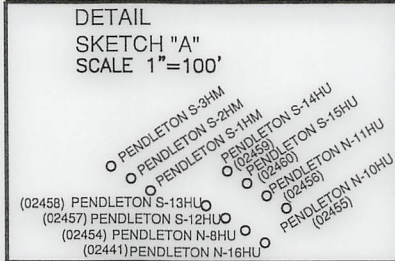


**PENDLETON LEASE
WELL S-1HM
530.73± ACRES**

(TH) 7,291'
(BH) 3,428'
TOP HOLE LATITUDE: 39°47'30"
BOTTOM HOLE LATITUDE: 39°45'00"



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 MAY, 2022. 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 36°53' E	53.90'	55.56'	56.27'
C2	S 88°00' E	41.27'	67.68'	41.94'
C3	S 59°15' E	87.08'	247.11'	87.53'
C4	S 42°26' E	249.72'	1007.33'	250.36'
C5	S 32°31' E	272.50'	2149.79'	272.68'

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) 4,399,096.27
E) 523,958.08

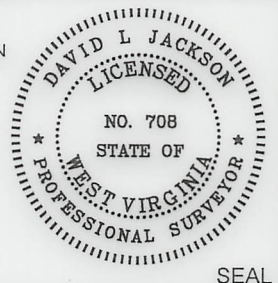
LEGEND

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

FILE NUMBER _____
DRAWING NUMBER: PENDLETON S-1HM_REV1
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
304-623-5851

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

DATE: AUGUST 19, 2022
OPERATORS WELL NO. PENDLETON S-1HM
API WELL NO. 47-051-02468
STATE WV COUNTY MARSHALL PERMIT SEE WW-6A1 Form

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 PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
ESTIMATED DEPTH TVD: 6,809' TMD: 13,457'

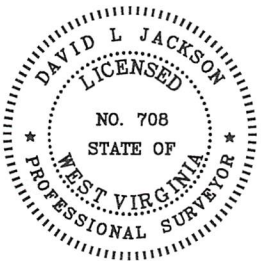
WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN, CT CORP
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107 ADDRESS 5098 WASHINGTON STREET WEST, SUITE 407 CHARLESTON, WV 25313-1561

10/14/2022

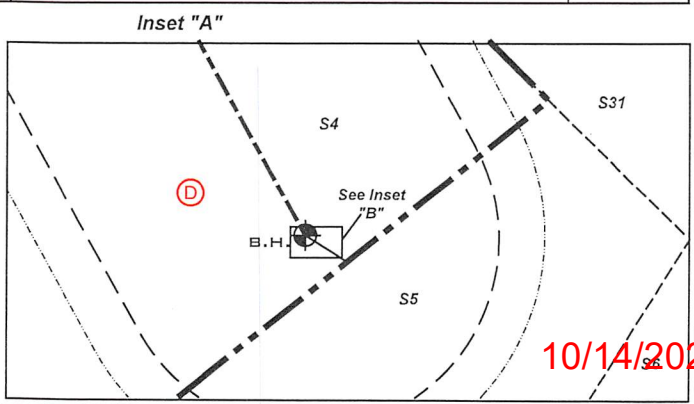
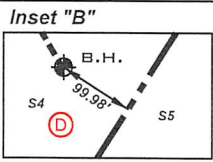
COURT NAME PERMIT

**PENDLETON LEASE
WELL S-1HM
530.73± ACRES**

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 ET UX	138.0
Adjoining Parcels Ownership Table				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
	S5	09-20-04	SHELLIE J PEKULA	171
	S6	09-20-05	GERALD A FROHNAPFEL ET UX TRUST	164.143
	S7	09-20-22	JOAN L KLUG ET AL	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	USA TIMBER & LAND AUCTIONS, LLC	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 R 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
	S34	09-20-7.2	MICKEY R DULANEY JR	2.24
	S35	09-20-11	PATRICK A FROHNAPFEL ET UX	139.88
	S36	09-20-07	SONNY M & LINDA L TAGG	72.828
	S37	09-20-7.1	DAVID PAUL FROHNAPFEL	4.930
	S38	09-20-9.5	JAMES MILLER ET UX	0.666
	S39	09-20-9.6	JAMES MILLER ET UX	2.919
	S40	09-20-9.3	JAMES MILLER ET UX	0.804
	S41	09-20-10	JAMES MILLER ET UX	0.5
	S42	09-20-9.4	HELEN B SHUTLER - LIFE	0.78
	S43	09-22-1.1	CNG TRANSMISSION CO	1.43
	S44	09-20-1	MICHAEL JAMES PEKULA ET UX	5



P.S. 708 *David L Jackson*



10/14/2022



**TUG HILL
OPERATING**

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

WELL PLAT
PAGE 2 OF 2
DATE: 08/19/2022
47-051-02468