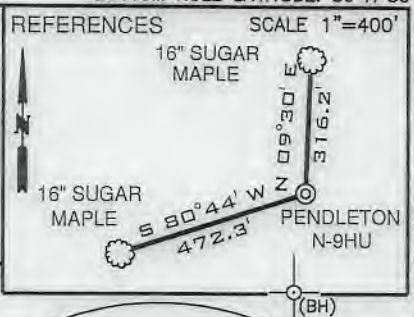
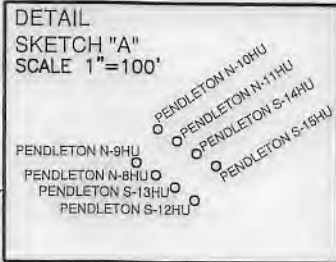
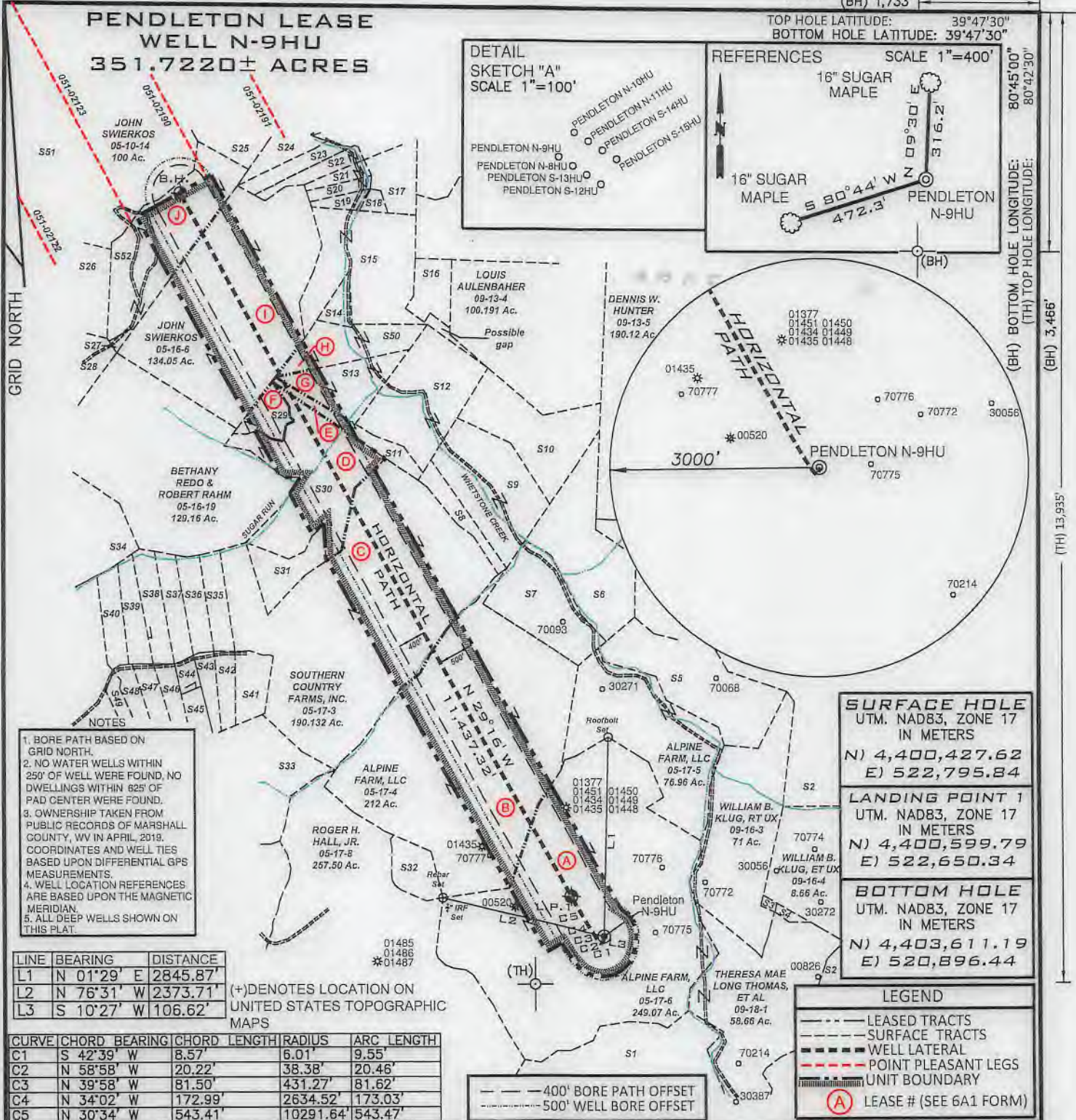


**PENDLETON LEASE
WELL N-9HU
351.7220± ACRES**



- 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 APRIL, 2019. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
 5. ALL DEEP WELLS SHOWN ON THIS PLAT.

LINE	BEARING	DISTANCE
L1	N 01°29' E	2845.87'
L2	N 76°31' W	2373.71'
L3	S 10°27' W	106.62'

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 42°39' W	8.57'	6.01'	9.55'
C2	N 58°58' W	20.22'	38.38'	20.46'
C3	N 39°58' W	81.50'	431.27'	81.62'
C4	N 34°02' W	172.99'	2634.52'	173.03'
C5	N 30°34' W	543.41'	10291.64'	543.47'

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,427.62
E) 522,795.84

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,599.79
E) 522,650.34

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,611.19
E) 520,896.44

LEGEND

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

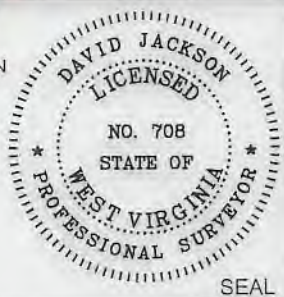
FILE NUMBER _____
DRAWING NUMBER: **PENDLETON N-9HU REV 1**
SCALE: **1" = 2000'**
MINIMUM DEGREE OF ACCURACY: **1/200**
PROVEN SOURCE OF ELEVATION: **SUBMETER MAPPING**
GRADE GPS

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

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
DATE: MAY 22, 2019
OPERATORS WELL NO. PENDLETON N-9HU
API WELL NO. 47-051-02245 HGA
STATE COUNTY PERMIT

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 POINT PLEASANT ESTIMATED DEPTH TVD: 11,787' TMD: 23,444'
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

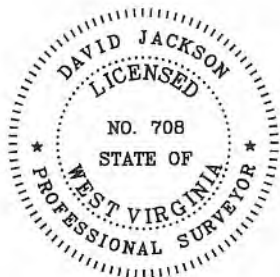
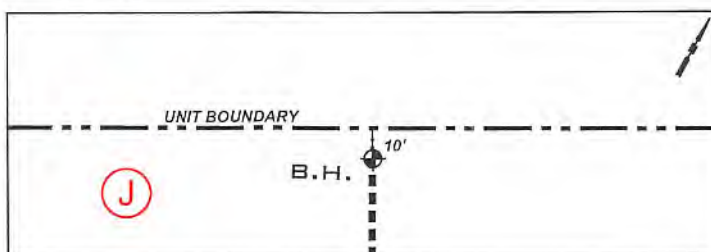
form wv6

**PENDLETON LEASE
WELL N-9HU
351.7220± ACRES**

4705102245

Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S1	05-24-01	LINDA L. HENDRICKSON	175.0
S2	09-16-05	ROBERT M. & NANCY R. MCCARDLE	133.0
S3	09-18-03	WILLIAM B. KLUG ET UX	1.33
S4	09-18-04	WILLIAM B. KLUG ET UX	1.0
S5	09-16-02	ROBERT M. & NANCY R. MCCARDLE	53.40
S6	09-16-01	ROBERT M. & NANCY R. MCCARDLE	46.80
S7	05-16-13	DAVID ALAN RUBCICH, ET AL	33.31
S8	05-16-12	LOUIS VAN SCYOC	10.80
S9	09-13-01	LOUIS VAN SCYOC	46.13
S10	09-13-02	SYLVIA I. VAN SCYOC AND WONETTA V. & NORMAN G. JOHNSON (LIFE)	41.5
S11 E	05-16-11	GERTRUDE HOLTZ	9.93
S12	09-13-03	LOUIS VAN SCYOC	52.40
S13 G	05-16-09	LOUIS AULENBACHER	20.0
S14	05-16-10	FRANK P. LAUTAR, EST.	
S15	05-16-07	LOUIS AULENBAUCHER	50.0
S16	09-13-02	SYLVIA I. VAN SCYOC AND WONETTA V. & NORMAN G. JOHNSON	8.05
S17	05-10-13	JOSEPH LEE CROW	12.18
S18	05-10-13.1	DAVID LEE QUIGLEY, JR.	2.88
S19	05-10-19	BRADLEY L. & CONNIE L. HUBBEARD	3.209
S20	05-10-20	LOUIS AULENBAUCHER	3.554
S21	05-10-21	LOUIS AULENBAUCHER	3.677
S22	05-10-22	LOUIS AULENBAUCHER	6.461
S23	05-10-12.1	JOHN PAUL SMITH, JR. ET AL	8.86
S24	05-10-10	LOUIS DELBERT VAN SCYOC	24.50
S25	05-10-09	HERBERT M. AULENBACHER, JR.	141.43
S26	05-16-03	DONNA VIVIAN YOHO	71.205
S27	05-16-04	JOHN SWIERKOS	0.96
S28	05-16-25	JOHN SWIERKOS	79.04
S29 F	05-16-18	JOHN SWIERKOS	10.0
S30 D	05-16-17	RICHARD D. & JULIA M. REPASKY	55.34
S31	05-16-16	SOUTHERN COUNTRY FARMS, INC.	9.75
S32	05-17-07	ALPINE FARM, LLC	10.8
S33	05-17-02	COLBY HOMER & BELLE M. YOHO	104.08
S34	05-16-21	JAMES M. RUCKMAN ET UX	60.75
S35	05-17-16	GLEN A. GUNTO	9.702
S36	05-16-15.1	GLEN A. GUNTO	10.17
S37	05-17-15	GLEN A. GUNTO	10.202
S38	05-18-13	SOUTHERN COUNTRY FARMS, INC.	11.054
S39	05-18-13.9	ROY & RENEE BUTLER (LIFE)	9.603
S40	05-18-13.4	RENEE D. STREIGHT BUTLER (LIFE)	9.938
S41	05-17-3.1	WILBUR L. RIDDLE, ET UX	10.148
S42	05-17-1.6	LOLA M. SLAUGHTER	6.347
S43	05-17-1.5	DONNIE R. & LOLA M. SLAUGHTER	5.607
S44	05-17-1.2	DONNIE R. & LOLA M. SLAUGHTER	5.073
S45	05-17-1.3	JODY & MICHELLE ANDERSON	5.00
S46	05-17-1.1	DONNIE R. & LOLA M. SLAUGHTER	8.076
S47	05-17-1.4	DONNIE R. & LOLA M. SLAUGHTER	8.844
S48	05-17-14	SOUTHERN COUNTRY FARMS, INC.	7.314
S49	05-17-13	ROY E. & RENEE D. BUTLER	5.433
S50 H	05-16-8	LOUIS AULENBACHER	21.0
S51	05-10-15	TERRY A. & JODI L. HARDING	120.805
S52 J	05-16-5	JOHN SWIERKOS	52.07

DETAIL "A"



P.S. 708

David L Jackson



TUG HILL
OPERATING

OPERATOR'S
WELL #: PENDLETON N-9HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 3
DATE: 06/13/2019