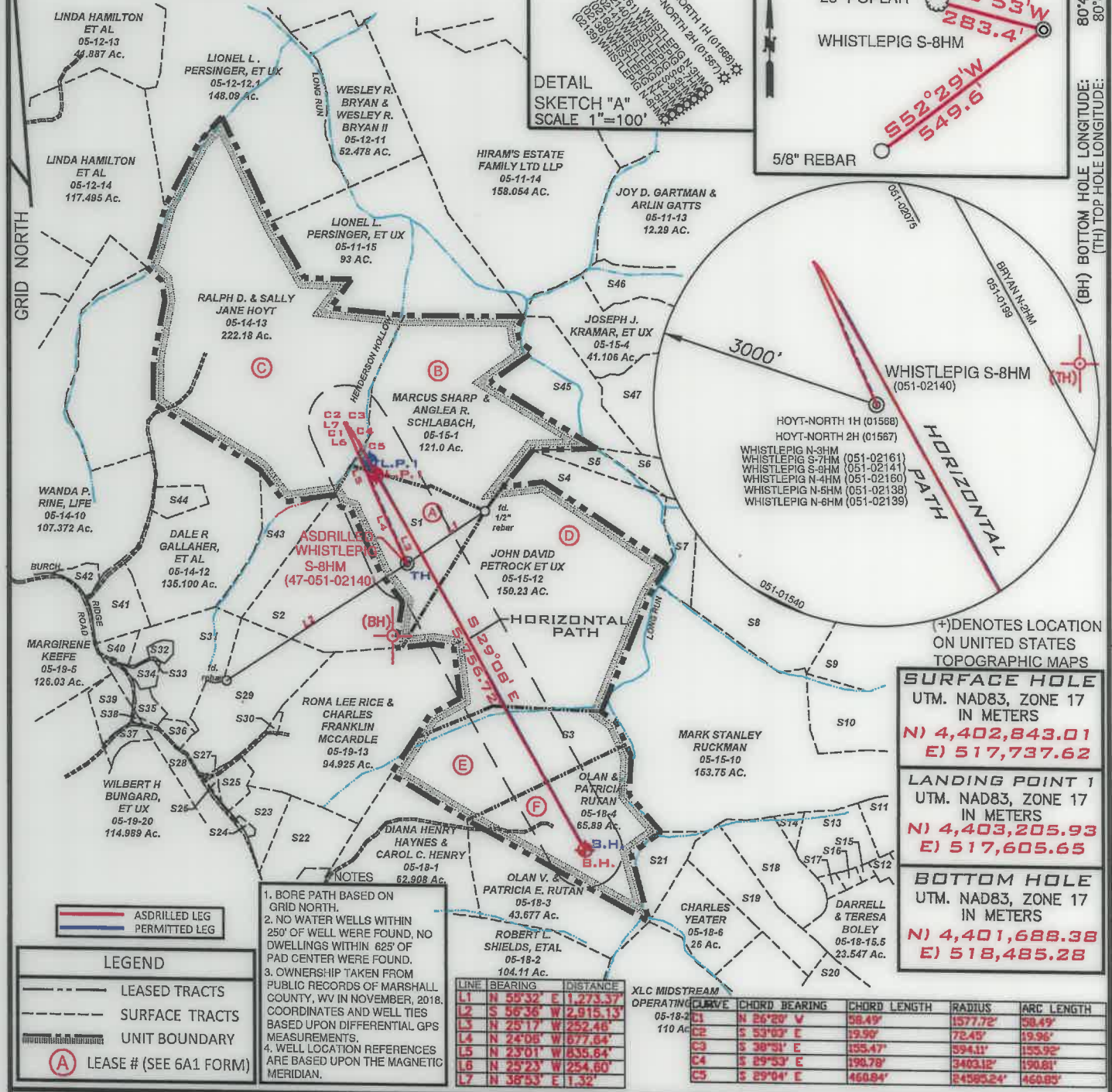
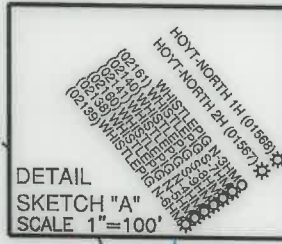
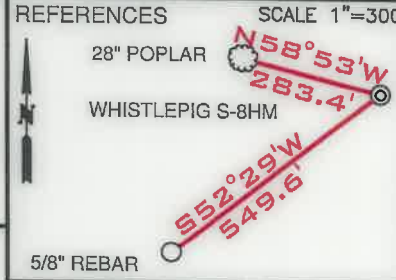


**WHISTLEPIG LEASE
WELL S-8HM
673.89± ACRES**

TOP HOLE LATITUDE: 39°47'30"
BOTTOM HOLE LATITUDE: 39°47'30"



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

SURFACE HOLE	UTM. NAD83, ZONE 17 IN METERS N) 4,402,843.01 E) 517,737.62
LANDING POINT 1	UTM. NAD83, ZONE 17 IN METERS N) 4,403,205.93 E) 517,605.65
BOTTOM HOLE	UTM. NAD83, ZONE 17 IN METERS N) 4,401,688.38 E) 518,485.28

- 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 NOVEMBER, 2018. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

LINE	BEARING	DISTANCE
L1	N 59°32' E	1,273.37'
L2	S 56°36' W	2,915.13'
L3	N 25°17' W	252.46'
L4	N 24°08' W	877.64'
L5	N 23°01' W	835.64'
L6	N 25°23' W	254.60'
L7	N 38°53' E	1.32'

CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1 N 26°20' V	58.49'	1577.72'	58.49'
C2 S 53°03' E	19.96'	72.45'	19.96'
C3 S 38°31' E	155.47'	594.11'	155.92'
C4 S 29°53' E	198.78'	3403.12'	190.81'
C5 S 29°04' E	460.84'	24585.24'	460.85'

LEGEND

- ASDRILLED LEG
- PERMITTED LEG
- LEASED TRACTS
- SURFACE TRACTS
- UNIT BOUNDARY
- LEASE # (SEE 6A1 FORM)

FILE NUMBER _____

DRAWING NUMBER WHISTLEPIG S-8HM REV 1

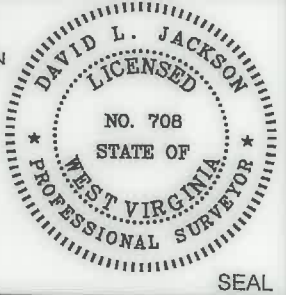
SCALE 1" = 2000'

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

DATE: OCTOBER 3, 2022

OPERATORS WELL NO. WHISTLEPIG S-8HM

API WELL NO. 47-051-02140

STATE WV COUNTY MARSHALL PERMIT 10/21/2022

LOCATION ELEVATION 1,368.5' WATERSHED (HUC 10) FISH CREEK

DISTRICT FRANKLIN COUNTY MARSHALL

QUADRANGLE POWHATAN POINT 7.5' LEASE NUMBER _____ SEE WW-6A1 Form

SURFACE OWNER ROBERT L. & REBECCA SHIELDS & DONALD SHIELDS ACREAGE 49.0

OIL & GAS ROYALTY OWNER ROBERT L. & REBECCA SHIELDS & DONALD SHIELDS LEASE ACREAGE 49.0

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) ASDRILLED

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,665' TMD: 13,405'

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

**WHISTLEPIG LEASE
WELL S-8HM
673.89± ACRES**

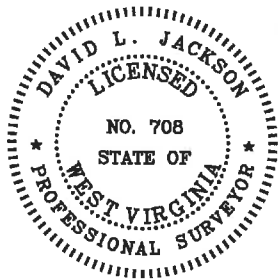
Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S1 (A)	05-15-15	Robert L. & Rebecca Shields and Donald Shields	49.00
S2 (B)	05-14-15	Robert L. Shields et al	53.00
S3 (E)	05-15-11	Diana Henry Haynes & Carol Henry	65.59
S4	05-15-14	John David Petrock, et ux	25.00
S5	05-15-02	John David Petrock, et ux	5.00
S6	05-15-6.1	Joseph J. Kramar, et ux	39.40
S7	05-15-13	CNX Land Resources, Inc.	11.00
S8	05-15-09	CNX Land Resources, Inc.	81.98
S9	05-16-23	CNX Land Resources, Inc.	60.138
S10	05-16-22	James M. Ruckman, et ux	54.605
S11	05-18-11.2	Edward Lee Burge Jr.	2.0
S12	05-18-12	William L. Wayne, et ux	2.270
S13	05-18-11.1	Edward Lee Burge, Jr.	18.00
S14	05-18-15	Edward Lee Burge, Jr.	2.495
S15	05-18-10	David and Nancy Anderson	0.907
S16	05-18-10.2	David Anderson, et ux	1.377
S17	05-18-10.1	David V. Anderson, et ux	1.65
S18	05-18-15.4	Edward Lee Burge, Jr.	22.34
S19	05-18-15.3	Charles Yeater	26.44
S20	05-18-16	Charles Yeater	17.768
S21	05-18-05	Terry Melott	8.14
S22	05-19-30	Ernie & Tammy Anderson	19.037
S23	05-19-29	Ernie L. & Tammy L. Anderson	10.961
S24	05-19-15	B.J.Herran Revocable Trust	0.72
S25	05-19-12	Ernie L. Anderson, et ux	5.33
S26	05-19-10	Ernie L. Anderson, et ux	0.8125
S27	05-19-11	Ernie L. Anderson, et ux	0.08
S28	05-19-09	Penny Elaine Menendez	10.00
S29	05-19-08	CNX Gas Company, LLC	40.00
S30	05-19-13.1	Donald Shields	0.800
S31	05-19-07	Olan V. Rutan, et ux	32.4801
S32	05-19-7.4	Olan V. Rutan, et ux	1.787
S33	05-19-7.3	Olan V. Rutan, et ux	0.341
S34	05-19-7.2	Olan V. Rutan	2.783
S35	05-19-7.1	Robert L. Shields, et ux	3.399
S36	05-19-7.5	Adam & Jesse Robinson	2.640
S37	05-19-20.1	John J. Ebert (Life)	3.848
S38	P/O 05-19-20	Wilbert H. Bungard, et ux	P/O 114.989
S39	05-19-20.2	Casandra L. Harmon	7.448
S40	05-19-06	Martha M. Rutan	5.1099
S41	05-14-11	Dale R. Gallaher, et al	12.00
S42	05-14-10.4	Adam & Jesse Robinson	3.343
S43	05-14-14	Robert L. Shields, et al	29.05
S44	05-14-12.1	Henry Wilson Piunkert, Jr.	5.00
S45	05-15-03	Joseph J. Kramar, et ux	36.10
S46	05-11-12	Joseph J. Kramar, et ux	43.2188
S47	05-15-05	Joseph J. Kramar, et ux	35.00

RECEIVED
Office of Oil & Gas
OCT 04 2022
WV Department of
Environmental Protection

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,843.11
E) 517,737.75

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,262.76
E) 517,576.66

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,401,687.42
E) 518,486.14



P.S.
708

David L Jackson

10/21/2022



TUG HILL
OPERATING

OPERATOR'S
WELL #: Whistlepig S-8HM
API# 47-051-02140
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 2
DATE: 10/03/2022