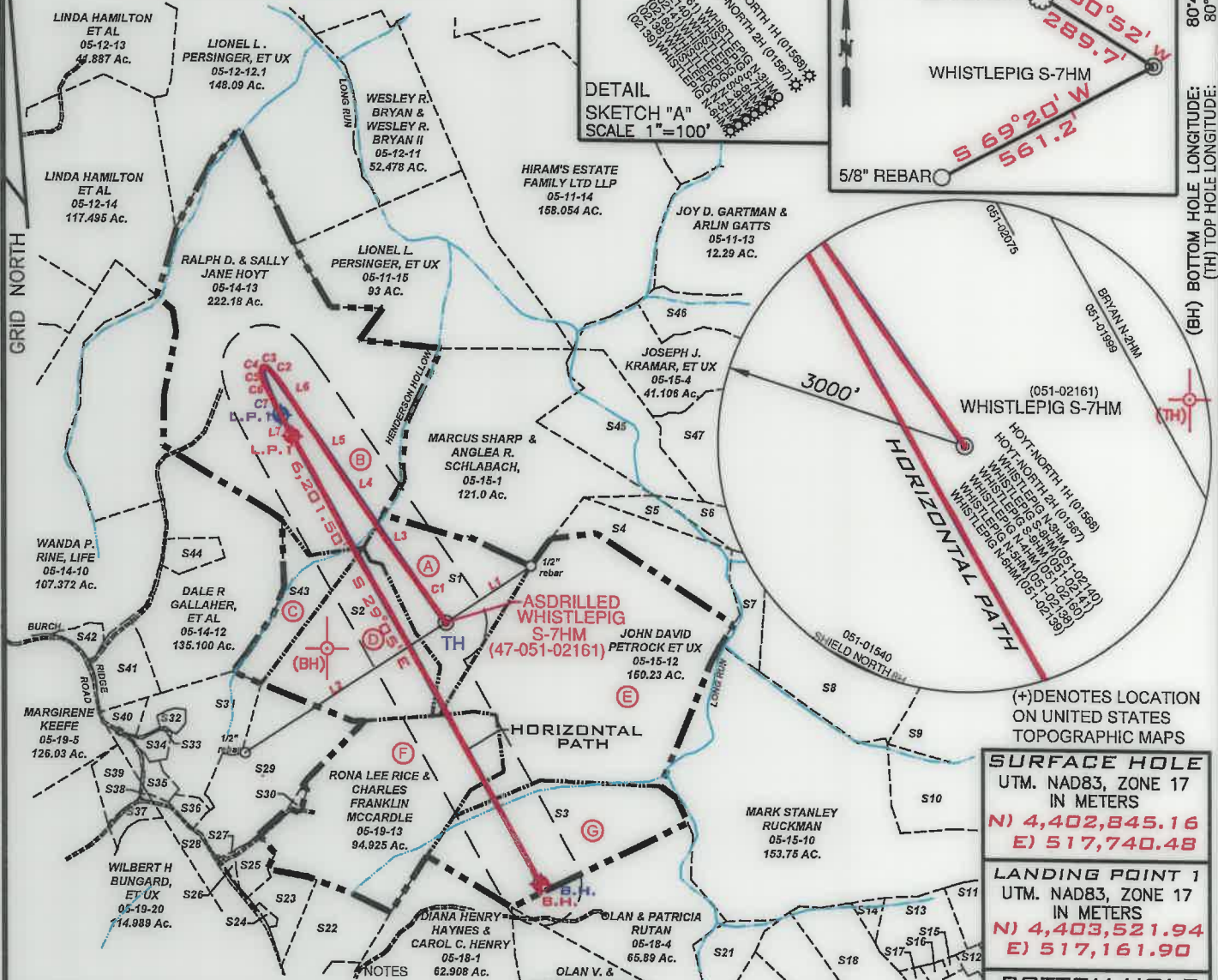
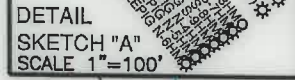
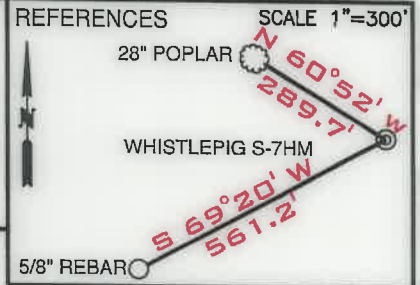


# WHISTLEPIG LEASE WELL S-7HM 663.975± ACRES

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



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

<b>SURFACE HOLE</b> UTM. NAD83, ZONE 17 IN METERS N) 4,402,845.16 E) 517,740.48
<b>LANDING POINT 1</b> UTM. NAD83, ZONE 17 IN METERS N) 4,403,521.94 E) 517,161.90
<b>BOTTOM HOLE</b> UTM. NAD83, ZONE 17 IN METERS N) 4,401,886.06 E) 518,107.63

LINE	BEARING	DISTANCE
L1	N 55°32' E	1,261.62'
L2	S 56°35' W	2,926.88'
L3	N 35°58' W	625.58'
L4	N 35°23' W	616.45'
L5	N 34°24' W	1243.88'
L6	N 34°10' W	897.86'
L7	S 28°21' E	663.97'

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

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 33°00' W	196.76'	893.94'	197.15'
C2	N 43°49' W	185.97'	799.16'	186.39'
C3	N 57°20' W	29.35'	199.54'	29.37'
C4	S 78°58' W	24.96'	25.02'	26.13'
C5	S 25°01' W	39.68'	50.26'	40.79'
C6	S 05°18' E	100.95'	283.63'	101.57'
C7	S 22°15' E	124.32'	455.78'	124.71'

FILE NUMBER \_\_\_\_\_  
DRAWING NUMBER: **WHISTLEPIG S-7HM 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  
304-623-5651

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

DATE: OCTOBER 3, 2022  
OPERATORS WELL NO. WHISTLEPIG S-7HM  
API WELL NO. 47-051-02161  
STATE WV COUNTY MARSHALL PERMIT SEE WW-6A1 Form

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
LOCATION ELEVATION 1368.5' WATERSHED (HUC 10) FISH CREEK  
DISTRICT FRANKLIN COUNTY MARSHALL  
QUADRANGLE POWHATAN POINT 7.5' LEASE NUMBER \_\_\_\_\_

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: 6,645' TMD: 14,932'  
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

COUNTY NAME PERMIT

**WHISTLEPIG LEASE  
WELL S-7HM  
663.975± ACRES**

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

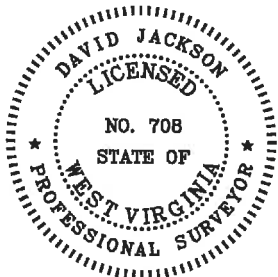
Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S1 (A)	05-15-15	Robert L. & Rebecca Shields and Donald Shields	49.00
S2 (D)	05-14-15	Robert L. Shields et al	53.00
S3 (C)	05-15-11	Diana Henry Haynes & Carol Henry	65.59
S4	05-15-14	John David Petrock, et ux	25.00
S5	05-15-02	John David Petrock, et ux	5.00
S6	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 (C)	05-14-14	Robert L. Shields, et al	29.05
S44	05-14-12.1	Henry Wilson Plunkert, 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

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.

**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,402,845.28  
E) 517,740.69

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,403,599.16  
E) 517,118.38

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,401,888.61  
E) 518,106.01



P.S. *David L Jackson*

10/21/2022



OPERATOR'S  
WELL #: Whistlepig S-7HM  
DISTRICT: Franklin  
COUNTY: Marshall  
STATE: WV  
API # 47-051-02161

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