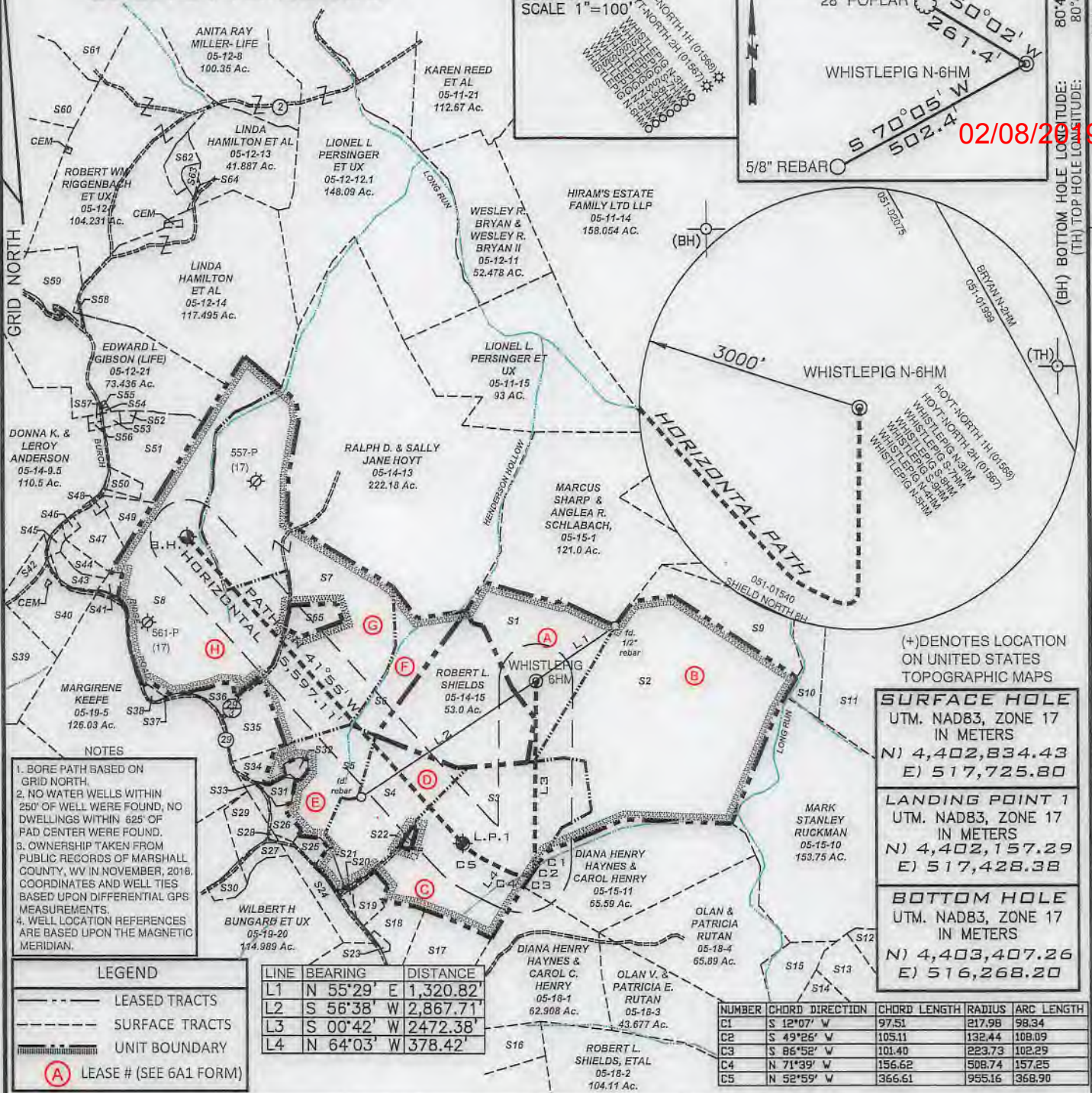
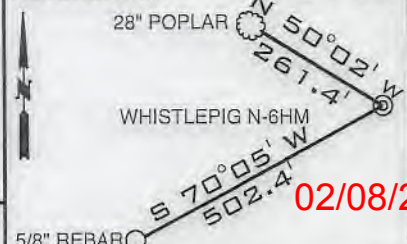


WHISTLEPIG LEASE WELL N-6HM 638.1571 ± ACRES

DETAIL SKETCH "A"
SCALE 1"=100'

REFERENCES

SCALE 1"=300'



NOTES

- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN NOVEMBER, 2016. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

LEGEND

- LEASED TRACTS
- - - SURFACE TRACTS
- ▬ UNIT BOUNDARY
- (A) LEASE # (SEE 6A1 FORM)

LINE	BEARING	DISTANCE
L1	N 55° 29' E	1,320.82'
L2	S 56° 38' W	2,867.71'
L3	S 00° 42' W	2472.38'
L4	N 64° 03' W	378.42'

NUMBER	CHORD DIRECTION	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 12° 07' W	97.51	217.98	98.34
C2	S 49° 26' W	105.11	132.44	108.09
C3	S 86° 58' W	101.40	223.73	102.29
C4	N 71° 39' W	156.62	508.74	157.25
C5	N 52° 59' W	366.61	955.16	368.90

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,834.43
E) 517,725.80

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,157.29
E) 517,428.38

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,407.26
E) 516,268.20

FILE NUMBER _____

DRAWING NUMBER WHISTLEPIG_6HM_REV 1

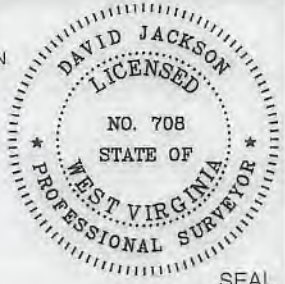
SCALE 1" = 2000'

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

P.S. 708
David L Jackson



JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-6851

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 ___ SHALLOW X

LOCATION ELEVATION 1,367.4' 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 AND DONALD SHIELDS ACREAGE 49.0

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

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: 6,689' TMD: 13,708'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
CT CORPORATION SYSTEM

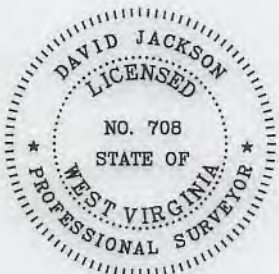
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5400 D BIG TYLER ROAD
FORT WORTH, TX 76107 CHARLESTON, WV 25313

COUNTY NAME
PERMIT

**WHISTLEPIG LEASE
WELL N-6HM
638.1571± ACRES**

Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S1 (A)	05-15-15	Robert L. & Rebecca Shields and Donald Shields	49.0
S2 (B)	05-15-12	John David Petrock, et ux	150.23
S3 (C)	05-19-13	Rona Lee Rice & Charles Franklin McCardle	94.925
S4 (D)	05-19-08	CNX Gas Company, LLC	40.00
S5 (E)	05-19-07	Olan V. Rutan, Et Ux.	32.4801
S6 (F)	05-14-14	Robert L. Shields, et al	29.05
S7 (G)	05-14-12	Dale R. Gallaher, et al	135.100
S8 (H)	05-14-10	Wanda P. Rine (Life)	107.372
S9	05-15-14	John David Petrock, et ux	25.00
S10	05-15-13	CNX Land Resources, Inc.	11.00
S11	05-15-09	CNX Land Resources, Inc.	81.98
S12	05-18-15.4	Edward Lee Burge, Jr	22.34
S13	05-18-15.3	Charles Yeater	26.44
S14	05-18-06	Charles Yeater	26.00
S15	05-18-05	Terry Melott	8.14
S16	05-19-14	James & Sherry Beegle and Ida Rutan	18.356
S17	05-19-30	Ernie & Tammy Anderson	19.037
S18	05-19-29	Ernie & Tammy Anderson	10.961
S19	05-19-12	Ernie L. Anderson, Et Ux	5.33
S20	05-19-10	Ernie L. Anderson, Et Ux	0.8125
S21	05-19-11	Ernie L. Anderson, Et Ux	0.08
S22	05-19-13.1	Donald Shields	0.800
S23	05-19-15	B.J. Herran Revocable Trust	0.72
S24	05-19-09	Penny Elaine Menedez	10.00
S25	05-19-7.5	Adam T. & Jesse L. Robinson	2.640
S26	05-19-7.1	Robert L. Shields, et ux	3.399
S27	05-19-20.1	John J. Ebert (Life)	3.848
S28	P/O 05-19-20	Wilbert H. Bungard, et ux	P/O 114.989
S29	05-19-20.2	Cassandra L. Harmon	7.448
S30	05-19-20.3	Sidney Harmon	3.715
S31	05-19-7.2	Olan Rutan	2.783
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	05-19-06	Martha M. Rutan	5.1099
S35	05-14-11	Dale R. Gallaher, et al	12.00
S36	05-14-10.4	Adam & Jesse Robinson	3.343
S37	05-14-10.2	Ida Belle Rutan (Life) & Ralph R. Hoyt	0.495
S38	05-14-10.1	Ida Belle Rutan (Life) & Ralph R. Hoyt	0.50
S39	05-14-03	Leroy & Donna K. Anderson	130.00
S40	05-14-08	Lawrence Eugene Anderson	18.29
S41	05-14-10.3	Vernie A. & Jody K. Rine	1.54
S42	05-14-07	Donna K. & Leroy Anderson	4.60
S43	05-14-9.3	Verie A. Rine, et ux	4.118
S44	05-14-9.4	Verie A. Rine, et ux	3.404
S45	05-14-16	George E. Knuth	1.6386
S46	05-14-17	Juntin E & Jody Rine	1.1044
S47	05-14-09	Walter W. Streight, Jr. et ux	9.311
S48	05-14-19	Brian A. & Charlotte Mull	0.92
S49	05-14-9.5	Maria T. Flores	6.024
S50	05-14-9.1	Maria T. Flores	2.882
S51	05-14-9.2	Maria T. Flores	25.0
S52	05-12-17	Joni Lyn Leon	0.752
S53	05-12-18	Joni Lyn Leon	1.018
S54	05-12-16.1	Gary E. Gibson, et al	0.146
S55	05-12-16	Gary E. Gibson, et al	0.104
S56	05-12-19	Joni Lyn Leon	0.457
S57	05-12-20	Joni Lyn Leon	0.457
S58	05-12-15	Woodland Hill Church of God, Trust	0.375
S59	05-12-21.1	Robert W. Jr. & Wendy L. Rigenbach	14.222
S60	05-12-05	CNX Land Resources, Inc.	61.883
S61	05-12-03	CNX Land Resources, Inc.	62.30
S62	05-12-7.2	Raymond K. Miller	4.66
S63	05-12-7.1	Raymond K. Miller	1.609
S64	05-12-13.1	Raymond K. Miller	0.113
S65	05-14-12.1	Henry Wilson Plunkert Jr.	5.00

02/08/2019



P.S. 708

David L Jackson



TUG HILL
OPERATING

OPERATOR'S
WELL #: Whistlepig N-6HM
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 2
DATE: 11/28/2018