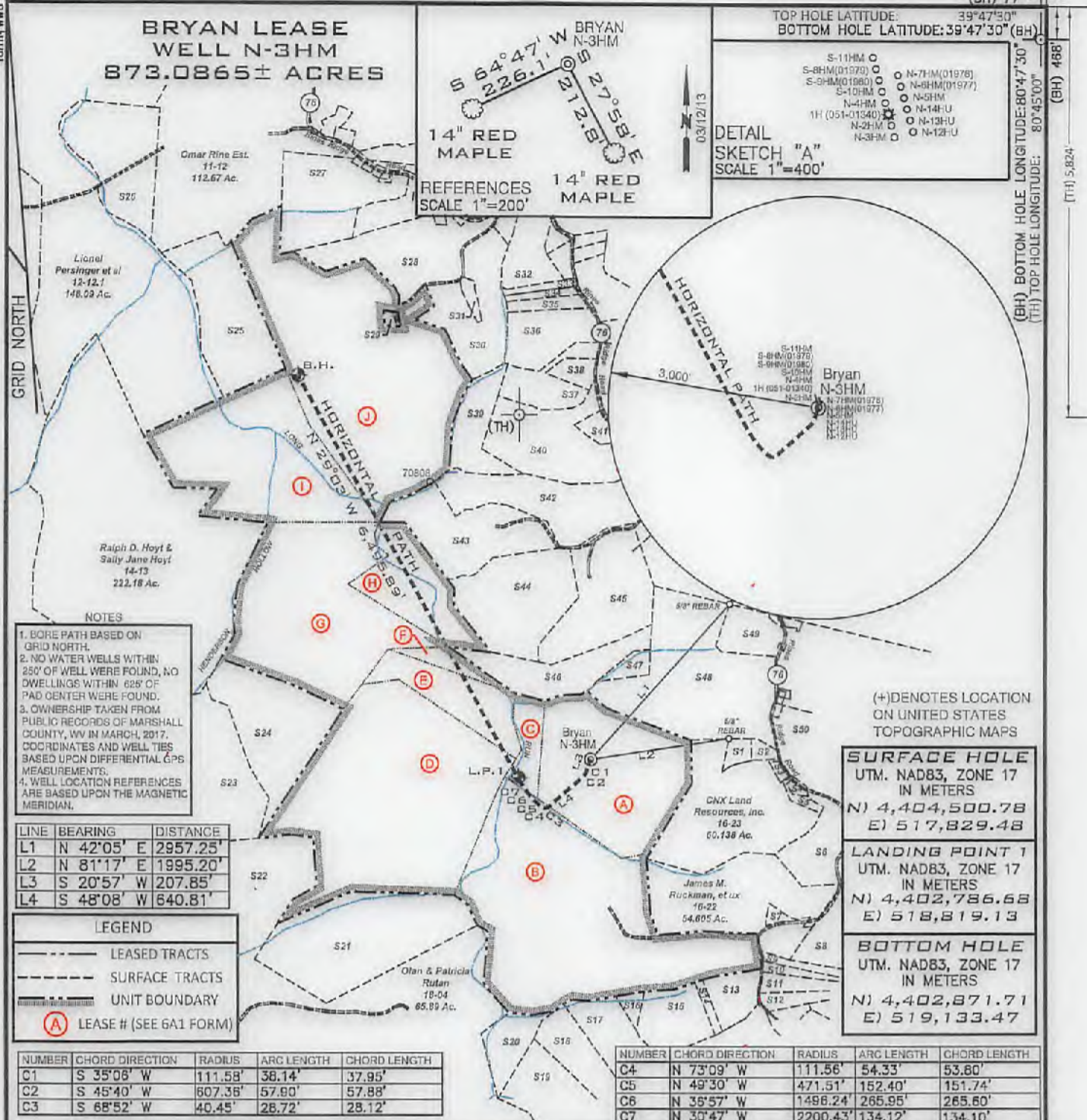
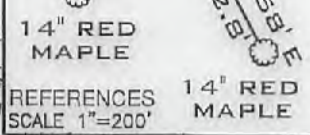
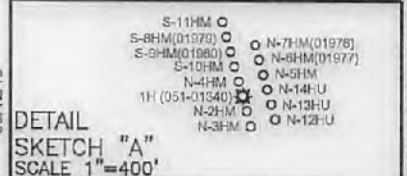


**BRYAN LEASE
WELL N-3HM
873.0865± ACRES**

TOP HOLE LATITUDE: 39°47'30"
BOTTOM HOLE LATITUDE: 39°47'30" (BH)



- 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 MARCH, 2017. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 - WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

LINE	BEARING	DISTANCE
L1	N 42°05' E	2957.25'
L2	N 81°17' E	1995.20'
L3	S 20°57' W	207.85'
L4	S 48°08' W	640.81'

LEGEND

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

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C1	S 35°08' W	111.58'	38.14'	37.95'
C2	S 45°40' W	607.36'	57.90'	57.88'
C3	S 68°52' W	40.45'	28.72'	28.12'

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C4	N 73°09' W	111.56'	54.33'	53.60'
C5	N 49°30' W	471.51'	152.40'	151.74'
C6	N 35°57' W	1496.24'	265.95'	265.60'
C7	N 30°47' W	2200.43'	134.12'	134.10'

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,404,500.78
E) 517,829.48

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,786.68
E) 518,819.13

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,871.71
E) 519,133.47

FILE NUMBER _____

DRAWING NUMBER BRYAN_WP_N-3HM

SCALE 1" = 2000'

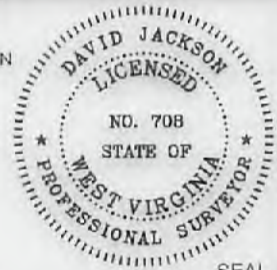
MINIMUM DEGREE OF ACCURACY 1/200

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 1490
Clarksburg, WV 26302
304-623-6651



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 1191.0' WATERSHED (HUC 10) Fish Creek

DISTRICT Franklin COUNTY Marshall

QUADRANGLE Powhatan Point 7.5' LEASE NUMBER SEE WW-6A1 Form

SURFACE OWNER CNX LAND RESOURCES, INC. ACREAGE 81.98

OIL & GAS ROYALTY OWNER MICHAEL R. BRYAN - SEE WW 6A1 LEASE ACREAGE 81.98

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: 6,596' TMD: 13,440'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
1320 SOUTH UNIVERSITY DRIVE, SUITE 500 CT CORPORATION SYSTEM
FORT WORTH, TX 76107 CHARLESTON, WV 25313

03/02/2018

COUNTY NAME PERMIT

**BRYAN LEASE
WELL N-3HM
873.0865± ACRES**

GRID NORTH

Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES
S1	16-23.4	Michael R. & Brenda K. Bryan	3.0
S2	16-23.1	Ray E. Minor Et Ux	2.0
S3	16-23.3	Greg & Christina Riddle	1.0
S4	16-24	Alan M. Beyser Et Ux	1.083
S5	16-23.2	Alan M. Beyser Et Ux	1.726
S6	16-25	John Swierkos	74.09
S7	16-22.1	Heather A. Burgy	1.465
S8	16-21	James M. Ruckman Et Ux	60.75
S9	18-56	William O'Hara	3.965
S10	18-55	William O'Hara	3.202
S11	18-28	Dotson Harrison	6.36
S12	18-28.1	Carol Helmick	5.696
S13	18-11	Benjamin Robinson	12.883
S14	18-11.2	Edward Lee Burge Jr.	2.0
S15	18-11.1	Edward Lee Burge Jr.	18.0
S16	18-15	Edward Lee Burge Jr.	2.495
S17	18-15.4	Edward Lee Burge Jr.	22.34
S18	18-15.3	Charles Yeater	26.44
S19	18-6	Charles Yeater	26.0
S20	18-5	Terry Melott	8.14
S21	15-11	Diana Henry Haynes & Carol Henry	65.59
S22	19-13	Rona Lee Rice & Charles Franklin McCardle	94.93
S23	14-15	Robert L. Shields Et Al	53.0
S24	15-15	Robert L. Shields Et Al	49.0
S25	12-11	Wesley R. & Wesley R. Bryan II	52.478
S26	12-12	Lionel L. Persinger Et Ux	45.0
S27	11-17	Kevin R. Corley Et Ux	36.13
S28	11-17.2	Brenda & Michael Bryan	11.504
S29	11-14.1	Dennis F. Moore Et Ux	1.056
S30	11-16	Keith E. Haught Et Al	83.674
S31	11-16.2	Joseph Haught	2.181
S32	11-9.3	Joseph M. & Steven Haught	16.3
S33	11-9.5	Southern Country Farms Inc.	2.559
S34	11-9.6	Southern Country Farms Inc.	2.488
S35	11-9.9	Leonard L. Parsons Et Ux	5.89
S36	11-9	Edwin C. & Kimberly A. Miller	41.773
S37	11-11.4	Brad M. & Amanda J. Blake	15.193
S38	11-11	Brad M. & Amanda J. Blake	5.0
S39	11-13	Joy D. Gartman & Arlin Gatts	12.29
S40	11-11.3	Herman D. & Herman J. Lantz	43.96
S41	11-11.1	Nellie Marie & Robert W. Spencer	5.813
S42	11-12	Joseph J. Kramer Et Ux	43.2188
S43	15-4	Joseph J. Kramer Et Ux	41.106
S44	15-5	Joseph J. Kramer Et Ux	35.0
S45	15-6	Joseph J. Kramer Et Ux	42.5
S46	15-6.1	Joseph J. Kramer Et Ux	39.4
S47	15-7	Terry D. Rose Et Ux	4.5
S48	15-8	Terry D. Rose Et Ux	77.11
S49	16-3	Donna Vivian Yoho	71.205
S50	16-25	John Swierkos	74.09



P.S. 708

David L Jackson

03/02/2018



TUG HILL
OPERATING

OPERATOR'S
WELL #: Bryan N-3HM
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 2
DATE: 12/12/2017