

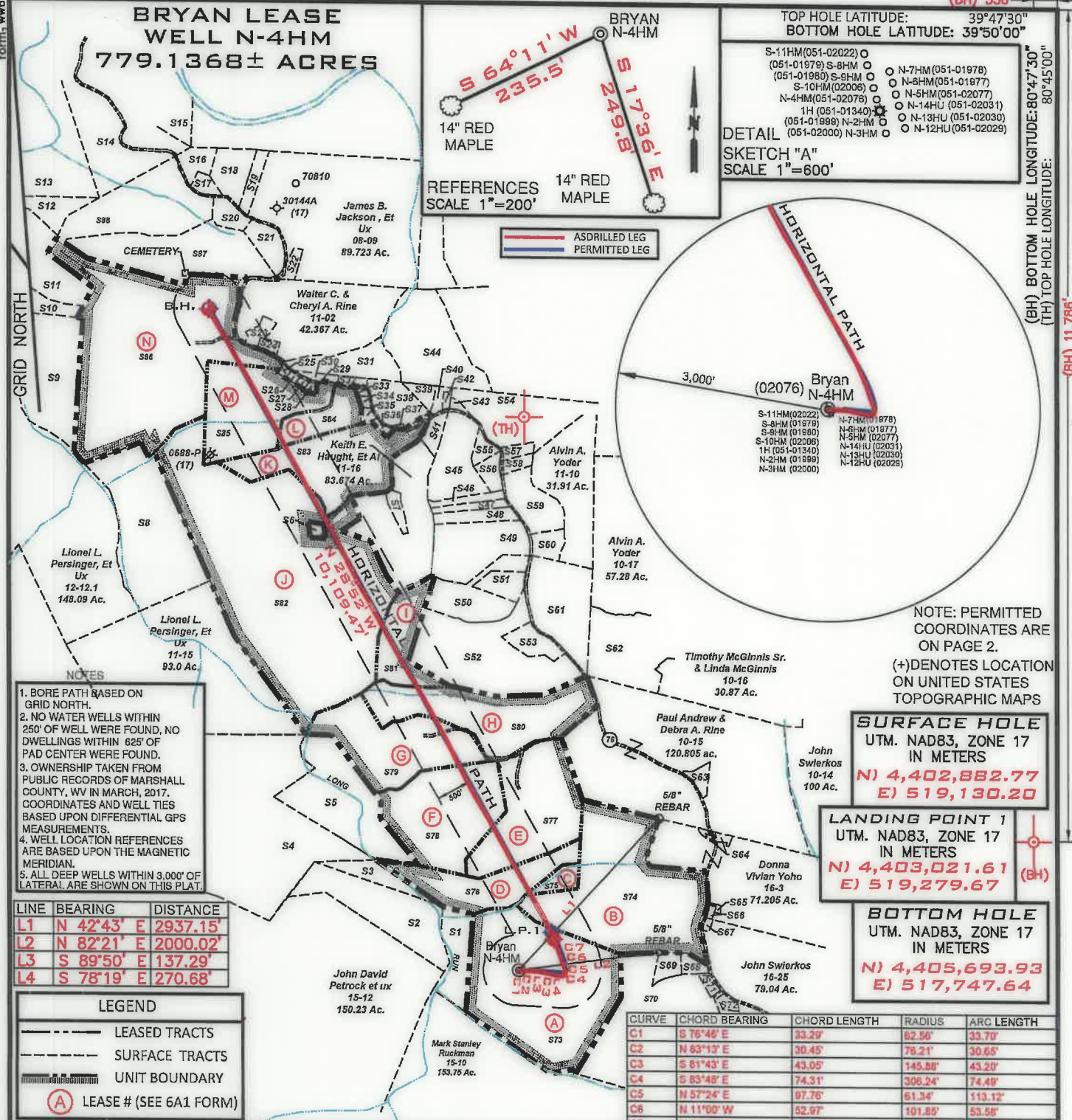
BRYAN LEASE WELL N-4HM 779.1368± ACRES

TOP HOLE LATITUDE: 39°47'30"
BOTTOM HOLE LATITUDE: 39°50'00"

- S-11HM(051-02022) ○
- (051-01979) S-8HM ○
- (051-01980) S-9HM ○
- S-10HM(02006) ○
- N-4HM(051-02076) ○
- 1H (051-01340) ○
- (051-01989) N-2HM ○
- (051-02000) N-3HM ○
- N-7HM(051-01978) ○
- N-8HM(051-01977) ○
- N-9HM(051-02077) ○
- N-14HU (051-02031) ○
- N-13HU (051-02030) ○
- N-12HU(051-02029) ○

DETAIL
SKETCH "A"
SCALE 1"=600'

REFERENCES
SCALE 1"=200'



- 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.
 - ALL DEEP WELLS WITHIN 3,000' OF LATERAL ARE SHOWN ON THIS PLAT.

LINE	BEARING	DISTANCE
L1	N 42°43' E	2937.15'
L2	N 82°21' E	2000.02'
L3	S 89°50' E	137.29'
L4	S 78°19' E	270.68'

LEGEND

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

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,882.77
E) 519,130.20

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,021.61
E) 519,279.67

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,405,693.93
E) 517,747.64

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 76°46' E	33.29'	82.56'	33.70'
C2	N 83°13' E	30.45'	78.21'	30.65'
C3	S 61°43' E	43.05'	145.88'	43.20'
C4	S 83°48' E	74.31'	308.24'	74.49'
C5	N 57°24' E	97.76'	61.34'	113.12'
C6	N 11°00' W	82.97'	101.85'	53.58'
C7	N 20°30' W	444.37'	6581.94'	444.45'

FILE NUMBER _____

DRAWING NUMBER BRYAN_WP_N-4HM

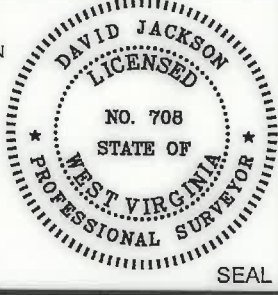
SCALE 1" = 2000'

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: SEPTEMBER 10, 2020

OPERATORS WELL NO. BRYAN N-4HM
API WELL NO. 47-051-02076
STATE COUNTY PERMIT

LOCATION ELEVATION 1191.5' 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 CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) AS-DRILLED
PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION Marcellus ESTIMATED DEPTH TVD: 6,391' TMD: 16,956'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5400 D BIG TYLER ROAD
FORT WORTH, TX 76107 CHARLESTON, WV 25313

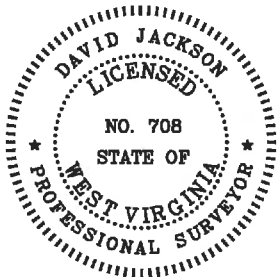
COUNTY NAME
PERMIT

PG 2 OF 2 **BRYAN LEASE**
WELL N-4HM
779.1368± ACRES

SURFACE HOLE
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,402,882.68
 E) 519,130.25

LANDING POINT 1
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,403,049.71
 E) 519,270.81

BOTTOM HOLE
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,405,696.55
 E) 517,753.08



P.S.
708

David L Jackson

Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES
S1	15-13	CNX Land Resources	11.0
S2	15-14	John David Petrock et ux	25.0
S3	15-2	John David Petrock et ux	5.0
S4	15-1	Marcus Sharp & David Schlabach	121.0
S5	15-3	Joseph J. Kramer et ux	36.10
S6	11-14.1	Dennis F. Moore et ux	1.056
S7	11-16.2	Joseph Haught	2.181
S8	12-11	Wesley Bryan & Wesley Bryan II	52.478
S9	12-12	Lionel L. Persinger et ux	45.0
S10	12-10	Murray Energy	13.76
S11	12-10.1	Murray Energy	38.48
S12	12-9	Lionel & Mary Lee Persinger	10.15
S13	7-39	Lionel L. Persinger et ux	57.0
S14	7-33	William N. Roupe	24.60
S15	7-31	William N. Roupe	43.147
S16	11-1	William N. & Virginia A. Roupe	4.527
S17	11-1.6	Debra Morris	2.093
S18	11-1.7	William S. & Mary K. Adams	8.0
S19	11-1.5	Paul & Sandy Whitt	3.507
S20	11-1.3	Jay A. Conner, et ux	4.256
S21	11-1.2	Jay A. Conner, et ux	5.824
S22	8-9.1	Scott E. Jackson, Tammy S. South & Marion Jackson	1.957
S23	11-2.1	Walter C. & Cheryl A. Rine	1.19
S24	11-2.2	Joshua A. Myers	2.193
S25	11-20	David E. Gray	0.569
S26	11-19	David E. Gray	0.532
S27	11-18	David E. Gray	0.569
S28	11-22	David E. Gray	0.353
S29	11-17.1	David Gray	0.297
S30	11-5	Kevin R. Corley et ux	10.36
S31	11-3	Kevin R. Corley et ux	13.18
S32	11-5.2	Ricky Lynn & Victoria Rose Cross	1.0
S33	11-24	Charles Edward Furbee et ux	0.603
S34	11-23	Owen Michael Barr	0.845
S35	11-25	Owen Michael Barr	0.598
S36	11-16.1	Susan Marie Smith - Life	0.876
S37	11-5.1	James R. Anderson et ux	0.205
S38	11-5	(Part of S30) Kevin R. Corley et ux	10.36
S39	11-5.3	Robert Harris Arrick et ux	3.0
S40	11-6	Robert & Rebecca Arrick	1.29
S41	11-16.3	Kegan Michael Haught - Life	3.265
S42	11-7	Baptist Cemetery	1.0
S43	11-8	Baptist Church	0.8
S44	11-4	David H. Arrick et ux	31.5
S45	11-9.3	Joseph M. Haught & Steven Haught	16.3
S46	11-9.5	Southern Country Farms, Inc	2.559
S47	11-9.6	Southern Country Farms, Inc	2.488
S48	11-9.9	Leonard L. Parsons, et ux	5.89
S49	11-9	Edwin C. & Kimberly A. Miller	41.773
S50	11-11.4	Brad M. & Amanda J. Blake	15.193
S51	11-11	Brad M. & Amanda J. Blake	5.0
S52	11-11.3	Herman D. Lantz & Herman J. Lantz	43.96
S53	11-11.1	Nellie Marie & Robert W. Spencer	5.813
S54	11-9	(Part of S49) Edwin C. & Kimberly A. Miller	41.773
S55	11-9.10	John A. & Janet L. Beucke	2.348
S56	11-9.2	Michael R. Bryan	3.143
S57	11-9.8	Sean F. Moore	2.070
S58	11-9.7	Sean F. Moore	2.026
S59	11-9.1	Jack Shephard Huggins Jr., et al	10.92
S60	11-9.4	Jack S. Huggins et al	4.129
S61	11-11.2	Wesley R. Bryan & Wesley R. Bryan II	25.031
S62	10-16.4	Elizabeth & Melvin E. Ferguson Jr.	30.87
S63	10-15.1	Donald T. Miller	2.095
S64	16-3.2	Jimmy Lee Ostrander Jr., Sheena Lynn Ostrander, & Brody Ray Ostrander	1.435
S65	16-3.1	Dennis E. Jackson, et ux	0.27
S66	16-2	Christian Church	0.19
S67	16-1	Christian Church	0.50
S68	16-23.1	Ray E. Minor, et ux	2.0
S69	16-23.4	Michael R. & Brenda K. Bryan	3.0
S70	16-23	CNX Land Resources, Inc.	60.138
S71	16-23.3	Greg & Christina Riddle	1.0
S72	16-24	Alan M. Beyser, et ux	1.083
S73	15-9	CNX Land Resources Inc.	81.98
S74	15-8	Terry D. Rose et ux	77.11
S75	15-7	Terry D. Rose et ux	4.5
S76	15-6.1	Joseph J. Kramer et ux	39.40
S77	15-6	Joseph J. Kramer et ux	42.50
S78	15-5	Joseph J. Kramer et ux	35.0
S79	15-4	Joseph J. Kramer et ux	41.106
S80	11-12	Joseph J. Kramer et ux	43.2188
S81	11-13	Joy D. Gartman & Arlin Gatts	12.29
S82	11-14	Hiram's Est. Family LTD LLP	158.054
S83	11-16	Keith E. Haught et al	83.674
S84	11-17.2	Brenda & Michael Bryan	11.504
S85	11-17	Kevin R. Corley et ux	36.13
S86	11-21	Omar Rine Est.	112.67
S87	11-1.1	Larry W. Dunlap et al	34.405
S88	11-1.4	Larry W. Dunlap et al	32.493

OPERATOR'S
 WELL #: Bryan N-4HM
 DISTRICT: Franklin
 COUNTY: Marshall
 STATE: WV
 API #: 47-051-02076

WELL PLAT
PAGE 2 OF 2
DATE: 9/10/2020

