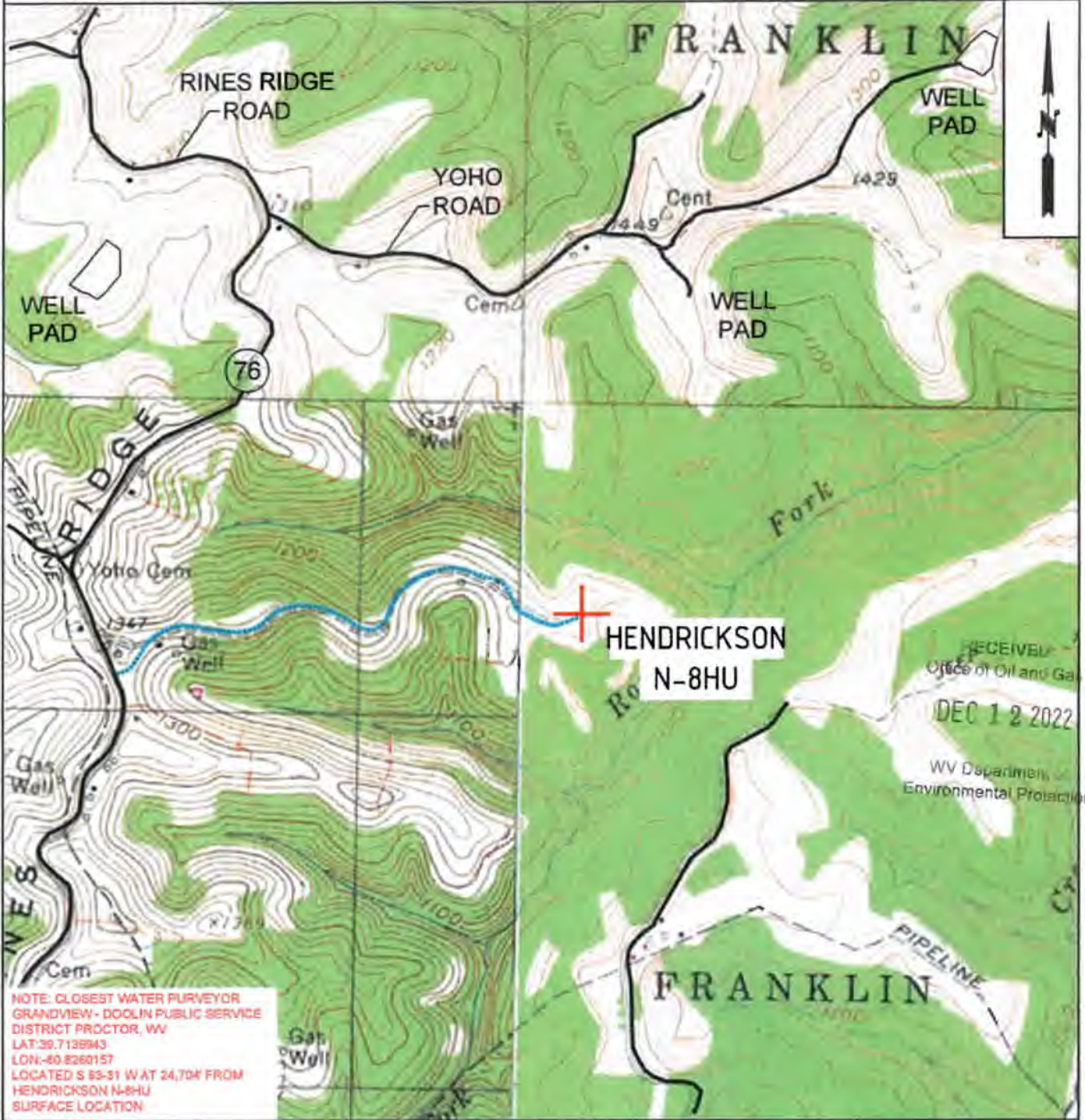


WW-9

PROPOSED HENDRICKSON N-8HU

SUPPLEMENT PG 2



NOTE: CLOSEST WATER SURVEYOR
GRANDVIEW - DOOLIN PUBLIC SERVICE
DISTRICT PROCTOR, WV
LAT: 39.7139943
LON: -80.8260157
LOCATED S 93-31 W AT 24,754' FROM
HENDRICKSON N-8HU
SURFACE LOCATION



TUG HILL
OPERATING

OPERATOR 494510851
TUG HILL OPERATING, LLC
380 SOUTHPOINTE BLVD
SUITE 200
CANONSBURG, PA 15317

TOPO SECTION
WILEYVILLE 7.5'
SCALE:
1" = 2000'

LEASE NAME
HENDRICKSON
DATE:
DATE: 11-03-2022

form wwf
GRID NORTH

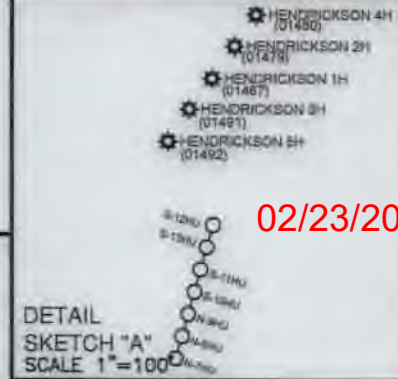
HENDRICKSON LEASE WELL N-8HU 362.2201 ± ACRES



REFERENCES
SCALE 1"=200'

(+) DENOTES LOCATION
ON UNITED STATES
TOPOGRAPHIC MAPS

TOP HOLE LATITUDE: 39°45'00"
BOTTOM HOLE LATITUDE: 39°47'30"



02/23/2023

(BH) BOTTOM HOLE LONGITUDE: 80°45'00"
(TH) TOP HOLE LONGITUDE: 80°42'30"

SURFACE HOLE UTM. NAD83, ZONE 17 IN METERS N) 4,399,464.54 E) 521,593.40
LANDING POINT 1 UTM. NAD83, ZONE 17 IN METERS N) 4,399,723.56 E) 521,806.46
BOTTOM HOLE UTM. NAD83, ZONE 17 IN METERS N) 4,402,990.64 E) 519,934.44



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 SEPTEMBER, 2022. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DIKIE, MCDAMEY & CHILCOTE, P.C. FILE 9058004.0401147
- ALL DEEP WELLS ARE SHOWN ON THIS PLAT, THERE ARE NO PERMITTED DEEP WELLS WITHIN 2400' OF PROPOSED WELL'S SURFACE LOCATION AND/OR 500' OF THE WELL LATERAL.

NOTE: LP.1 and LTP are same point.

LEGEND

- LEASSED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LUGS
- UNIT BOUNDARY
- LEASE # (SEE 6A1 FORM)
- 200' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTF) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- FORCED POOL TRACT

LINE	BEARING	DISTANCE	CURVE	CHORD BEARING	CHORD LENGTH	RADIIUS	ARC LENGTH
L1	N 86°00' W	2,294.01'	C1	N 58°53' E	37.57'	37.28'	39.37'
L2	S 51°29' W	1,902.62'	C2	N 16°08' E	39.85'	100.43'	40.12'
L3	N 73°26' E	20.95'	C3	N 02°41' W	80.99'	330.85'	81.19'
L4	N 87°53' E	912.47'	C4	N 16°18' W	299.64'	1,291.46'	300.31'
			C5	N 25°26' W	412.55'	3,158.31'	412.84'

FILE NUMBER _____

DRAWING NUMBER HENDRICKSON_N-8HU_REV0

SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1/200

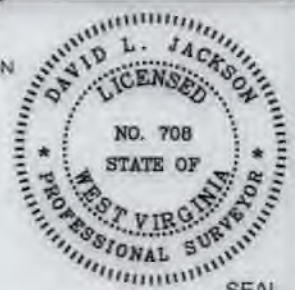
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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

P.S. 708

JACKSON SURVEYING INC.
2413 East Pike St. # 112
Clarksburg, WV 26302
304-823-5851



SEAL

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

DATE: DECEMBER 08, 2022

OPERATORS WELL NO. HENDRICKSON N-8HU

API WELL NO.

47-051-02480 Deep

STATE COUNTY PERMIT

LOCATION ELEVATION 1220.33' WATERSHED (HUC 10) Rocky Fork of Fish Creek (HUC-10)

DISTRICT Franklin COUNTY Marshall

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

SURFACE OWNER LINDA L. PICKERING HENDRICKSON ACREAGE 175.0

OIL & GAS ROYALTY OWNER LINDA L. PICKERING HENDRICKSON LEASE ACREAGE 175.0

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____
PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE (SPECIFY) _____

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,693' TMD: 24,390'

WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107

DESIGNATED AGENT DARREN BROWN, CT CORP
ADDRESS 5098 WASHINGTON STREET WEST, SUITE 407
CHARLESTON, WV 25313-1561

02/03/2023

COUNTY NAME
PERMIT

form. ww8

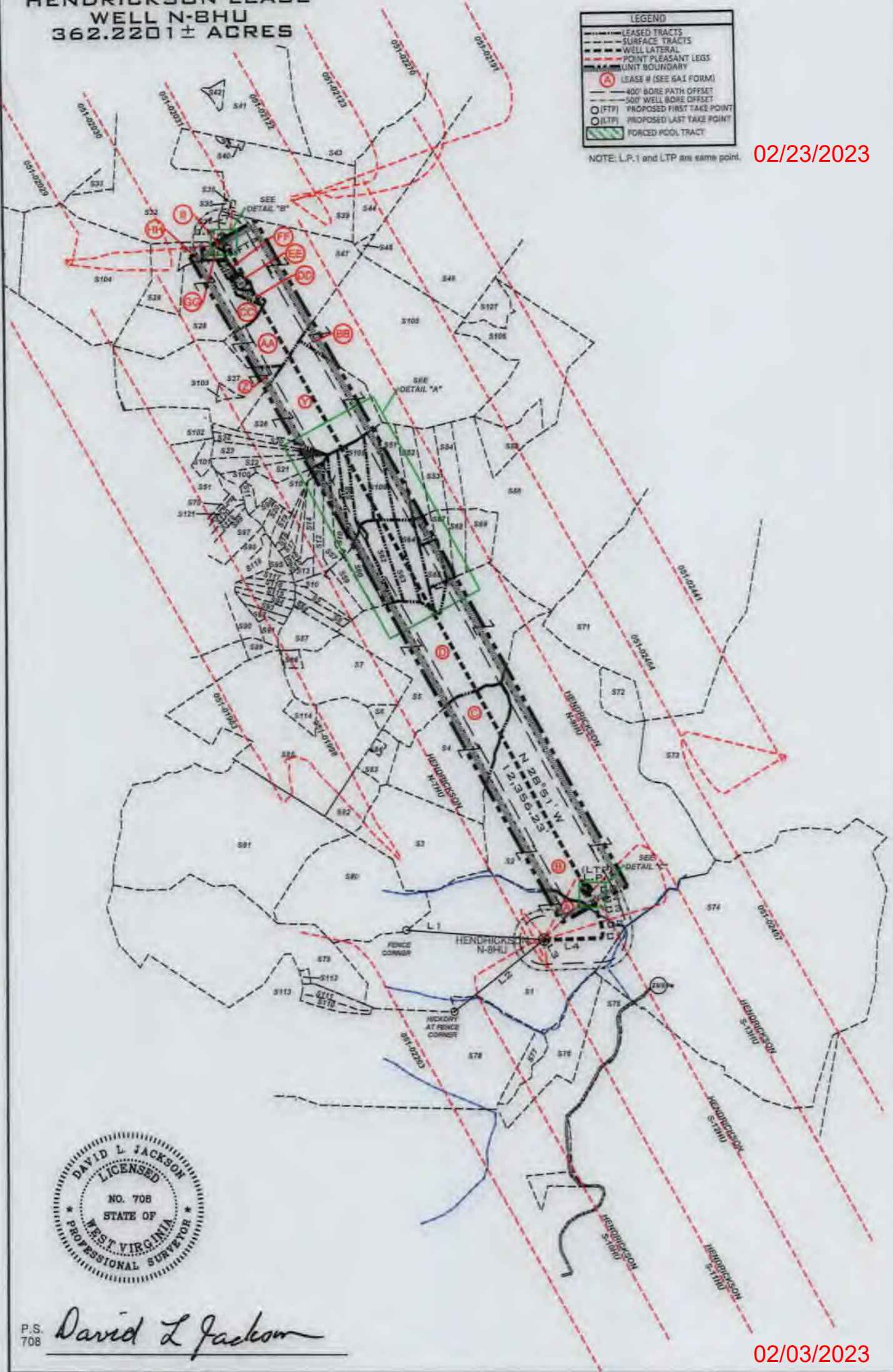
HENDRICKSON LEASE WELL N-8HU 362.2201± ACRES

LEGEND

- LEASE TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- (A) LEASE # (SEE 8A1 FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- ▨ FORCED POOL TRACT

NOTE: L.P. 1 and LTP are same point.

02/23/2023



P.S. 708 *David L Jackson*

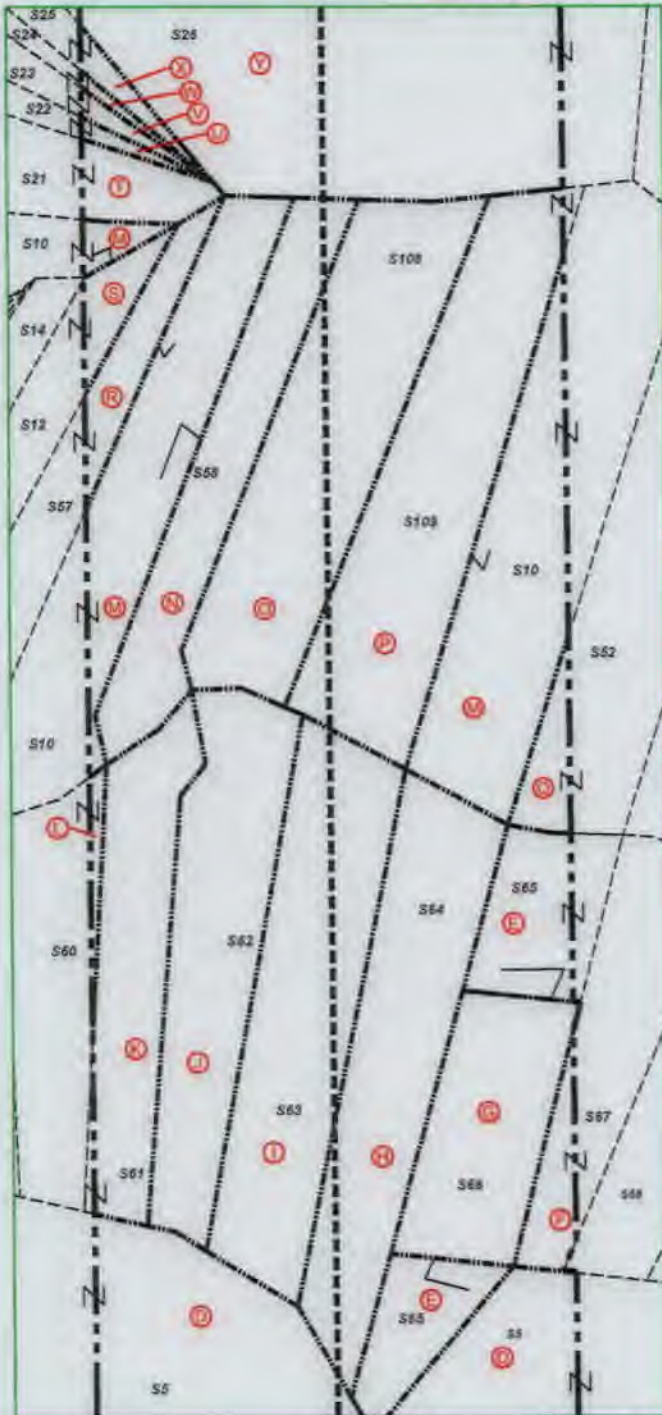
02/03/2023

	TUG HILL	WELL #: <u>Hendrickson N-8HU</u>	WELL PLAT
	OPERATING	DISTRICT: <u>Franklin</u>	PAGE 2 OF 4
	STATE: <u>WV</u>	COUNTY: <u>Marshall</u>	DATE: <u>12/08/2022</u>
	API #: <u>47-051-02490</u>		

Form: wwb

**HENDRICKSON LEASE
WELL N-8HU
362.2201 ± ACRES**

DETAIL "A"



LEGEND

- LEASE TRACTS
- - - SURFACE TRACTS
- - - WELL LATERAL
- - - POINT PLEASANT LEGS
- - - UNIT BOUNDARY
- (A) LEASE # (SEE GA1 FORM)
- 400' BORE PATH OFFSET
- 300' WELL BORE OFFSET
- (FFP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- ▨ FORCED POOL TRACT

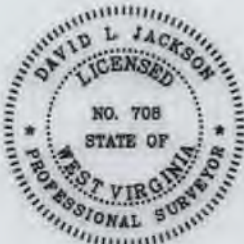
02/23/2023

NOTE: L.P.1 and LTP are same point.

DETAIL "B"



DETAIL "C"



P.S. 708 *David L Jackson*

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Deed Book/Page
10*14138	5-24-1	A	LINDA AND DONALD HENDRICKSON	666 528
10*14460	5-17-8	B	GERTRUD GODDARD, H.G. WELLS AF, ET AL	735 515
10*14139	5-17-8	C	LLOYD RICHARD OLIVER & DEANNA OLIVER	666 49
10*14425	5-17-2	D	SHARON E POTTS, ET AL	731 143
10*17643	5-17-3.2	E	DONALD R SLAUGHTER AND LOLA SLAUGHTER	940 445
10*14099	5-17-3.5	F	SOUTHERN COUNTRY FARMS INC	666 489
10*18217	5-17-3.3	G	JODY KANE ANDERSON AND MICHELE MARIE ANDERSON	929 101
10*14914	5-17-3.1	H	CHESTNUT HOLDINGS INC, ET AL	827 548
10*14914	5-17-3.4	I	CHESTNUT HOLDINGS INC, ET AL	827 548
10*14914	5-17-3.4	J	CHESTNUT HOLDINGS INC, ET AL	827 548
10*14914	5-17-3.3	K	CHESTNUT HOLDINGS INC, ET AL	827 548
10*14914	5-17-1.7	L	CHESTNUT HOLDINGS INC, ET AL	827 548
10*14099	5-18-13	M	SOUTHERN COUNTRY FARMS INC, ET AL	666 489
10*14099	5-18-13.12	N	SOUTHERN COUNTRY FARMS INC, ET AL	666 489
10*14099	5-18-13.4	O	SOUTHERN COUNTRY FARMS INC, ET AL	666 489
10*14099	5-18-13.5	P	SOUTHERN COUNTRY FARMS INC, ET AL	666 489
10*14099	5-17-15	Q	SOUTHERN COUNTRY FARMS INC, ET AL	666 489
10*14099	5-18-60	R	SOUTHERN COUNTRY FARMS INC	666 489
10*14099	5-18-53.1	S	SOUTHERN COUNTRY FARMS INC	666 489
10*14099	5-18-33.2	T	SOUTHERN COUNTRY FARMS INC	666 489
10*14099	5-18-38.1	U	SOUTHERN COUNTRY FARMS INC	666 489
10*17431	5-18-38.1	V	SOUTHERN COUNTRY FARMS INC	938 448
10*47051.104.0	5-18-28	W	DOTSON GALE HARRISON	873 66
10*14099	5-18-55	X	SOUTHERN COUNTRY FARMS INC	666 489
10*14099	5-18-56	Y	SOUTHERN COUNTRY FARMS INC	666 489
10*19338	5-16-21	Z	JAMES M. RUCKMAN, KIMBERLY L. RUCKMAN	741 72
10*19338	5-16-22	AA	JAMES M. RUCKMAN, KIMBERLY L. RUCKMAN	741 72
10*21488	5-16-25	AB	JOHN A SWIERKOS, ZACHARY SWIERKOS POA	953 317
10*18280	5-16-19	AC	DEBRA L RICHEY AND JAMES F RICHEY SR, ET AL	929 108
10*19294	5-16-23	AD	MICHAEL B. BRYAN, BRENDA K. BRYAN	741 78
10*19182	5-16-33.3	AE	ALAN M BEYSER AND LOHI A BEYSER	711 355
10*19182	5-16-24	AF	ALAN M BEYSER AND LOHI A BEYSER	711 355
10*19144	5-16-23.3	AG	GREG A RIDDLE AND CHRISTINA L RIDDLE	704 354
10*19146	5-18-23.1	AH	RAY E MINOR, CATHY L MINOR	706 293
10*19294	5-16-23.4	AI	MICHAEL B. BRYAN, BRENDA K. BRYAN	741 78
10*19340	5-18-4	AJ	DOMIN V YIHO	407

02/03/2023



OPERATOR'S
WELL #: Hendrickson N-8HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API #: 47-051-02480

WELL PLAT
PAGE 3 OF 4
DATE: 12/08/2022

**HENDRICKSON LEASE
WELL N-8HU
362.2201 ± ACRES**

Parcels within Unit Boundary				
Tags	Number	Tax Map - Parcel	Surface Owner	Acres
A	51	05-24-1	LINDA L PICKERING HENDRICKSON	1.75
B	52	05-17-8	ROGER H HALL JR	257.50
C	54	05-17-9	LLOYD RICHARD OLIVER, ET UX	61.6
D	55	05-17-2	HOMER COLBY & BELLE YOHO	104.08
E	565	05-17-1.2	DONNIE R & LOLA M SLAUGHTER	5.073
F	567	05-17-1.5	DONNIE R & LOLA M SLAUGHTER	5.607
G	566	05-17-1.3	JODY & MICHELLE ANDERSON	5
H	564	05-17-1.1	DONNIE R & LOLA M SLAUGHTER	8.076
I	563	05-17-1.4	DONNIE R & LOLA M SLAUGHTER	8.844
J	562	05-17-14	SOUTHERN COUNTRY FARMS, INC	7.314
K	561	05-17-13	ROY & RENEE BUTLER	5.433
L	560	05-17-1.7	ROY & RENEE BUTLER	5.22
M	510	05-18-13	SOUTHERN COUNTRY FARMS, INC	11.054
N	558	05-18-13.12	CHARLES S NICE	5.969
O	5108	05-18-13.4	RENEE D STREIGHT BUTLER (LIFE)	9.938
P	5109	05-18-13.8	ROY & RENEE BUTLER (LIFE)	9.603
Q	552	05-17-15	GLEN A GUNTO	10.220
R	557	05-18-60	MICHAEL & WHITNEY NEFF	6.297
S	512	05-18-53.1	MICHAEL & WHITNEY NEFF	6.283
T	521	05-18-13.2	STEVEN G BERISFORD	6.023
U	522	05-18-28.1	GARY LITTON	5.696
V	523	05-18-28	CIAD ELMER HARRISON, CRYSTAL GALE HARRISON, & GARY LEE LITTON	6.36
W	524	05-18-35	WILLIAM E O'HARA	3.202
X	525	05-18-56	WILLIAM E O'HARA	3.965
Y	526	05-16-21	JAMES M RUCKMAN, ET UX	60.75
Z	527	05-16-22	JAMES M RUCKMAN, ET UX	54.605
AA	547	05-16-25	JOHN SWIERKOS	79.04
BB	5105	05-16-19	BETHANY REDO & ROBERT RAHM	129.16
CC	528	05-16-23	THE MARSHALL COUNTY COAL RESOURCES	45.048
DD	550	05-16-23.2	ALAN M BEYSER, ET UX	1.083
EE	548	05-16-24	ALAN M BEYSER, ET UX	1.726
FF	548	05-16-23.3	GREG & CHRISTINA RIDDLE	1
GG	531	05-16-23.1	RAY E MINOR, ET UX	2
HH	530	05-16-23.4	MICHAEL R & BRENDA K BRYAN	3
II	532	05-15-8	XCL MIDSTREAM OPERATING, LLC	77.11

Adjoining Parcels Ownership Table				
Tags	Number	Tax Map - Parcel	Surface Owner	Acres
	53	05-17-9.4	VICKI L BOWEN HRS	60.3
	56	05-17-10.2	GARY L YOHO	2.6
	57	05-17-10.3	JAMES A & JILL C CORLEY	37.39
	58	05-18-35	MARY ANDERSON	2.635
	59	05-18-58	KEVIN W ROBERTS	2.435
	511	05-18-48	TANNER M BUTLER	2.023
	513	05-18-53	MICHAEL & WHITNEY NEFF	2.0
	514	05-18-13.11	LINDA L MOORE	2.155
	515	05-18-26	LINDA L MOORE	2.023
	516	05-18-27	LINDA L MOORE	2.447
	517	05-18-27.2	LINDA L MOORE	3.009
	518	05-18-27.1	MICHAEL D MOORE	2.003
	519	05-18-39	MICHAEL D MOORE	2.001
	520	05-18-38	MICHAEL D MOORE	2.231
	529	05-16-23.5	THE MARSHALL COUNTY COAL RESOURCES	15.09
	533	05-15-7	XCL MIDSTREAM OPERATING, LLC	4.5
	534	05-16-1	FREDONIA CHRISTIAN CHURCH	0.50
	535	05-16-2	FREDONIA CHRISTIAN CHURCH CEMETERY	0.19
	536	05-16-3.1	DENNIS JACKSON, ET UX	0.27
	539	05-16-3	BETHA L KLUIG	71
	540	05-16-3.2	JIMMY SR & SHELLY OSTRANDER (LIFE)	1.435
	541	05-10-15	TERRY A & JODI L HARDING	120.805
	542	05-10-15.1	DONALD T MILLER	2.095
	543	05-10-14	JOHN SWIERKOS	1.00
	544	05-16-5	JOHN SWIERKOS	52.07
	545	05-16-4	JOHN SWIERKOS	0.96
	546	05-16-6	JOHN SWIERKOS	134.05
	551	05-18-15.2	BRANDON A RICKMAN	4.171
	553	05-16-15.1	GLEN A GUNTO	10.170
	554	05-17-16	GLEN A GUNTO	9.702
	555	05-16-16	SOUTHERN COUNTRY FARMS, INC	9.75
	556	05-17-3	SOUTHERN COUNTRY FARMS, INC	190.132
	559	05-17-1	SOUTHERN COUNTRY FARMS, INC	5.030
	568	05-17-1.6	LOLA M SLAUGHTER	6.347
	569	05-17-3.1	WILBUR I RIDDLE, ET UX	10.148
	570	05-18-36	RUTH MULLIGAN, EST	2.003
	571	05-17-4	ALPINE FARM, LLC	2.12
	572	05-17-7	ALPINE FARM, LLC	10.8
	573	05-17-8	ALPINE FARM, LLC	246.07
	574	05-24-2	ROY FRIEND YOHO	316.80
	575	05-24-3.2	THI EXPLORATION II, LLC	49
	576	05-24-4	TERRY E SIMMS, ET UX	84.05
	577	05-25-21	TERRY E SIMMS, ET UX	7
	578	05-24-5	ROBERT C FRANCIS, ET UX (LIFE)	145.78
	579	05-23-7	TERRY E SIMMS, ET UX	123.097
	580	05-17-11.1	RANDY W FRANCIS, ET UX	67
	581	05-17-11	KENNETH N CORLEY, ET UX	1.20
	582	05-17-9.3	JAMES A CORLEY, ET UX	12.478
	583	05-17-9.2	JERI J WHITE	7.136
	584	05-17-9.1	JERI J WHITE	1
	585	05-17-10	JAMES A CORLEY, ET UX	92.61
	586	05-17-10.4	DEXTON MCKINNEY	2.01
	587	05-18-19	ROGER D WHITE, JR	10
	588	05-18-42	ROGER HOWARD HALL, JR	2.383
	589	05-18-48	MARVIN DEAN ROBERTS ET UX (LAND CONTRACT- BRAD & BRIDGET WILLIAMS)	2.320
	590	05-18-13.7	VICTOR W JR & JESSICA L WOODS	5.255
	591	05-18-18	DARLENE T GOODALL	3
	592	05-18-57	MARVIN D ROBERTS	2.228
	593	05-18-61	ROGER D WHITE	2.984
	594	05-18-52	ROGER HALL	2.536
	595	05-18-25	FREDERICK L & DEBBIE L SIZEMORE	2.521
	596	05-18-40	CORDY A HOLT	2.237
	597	05-18-14	MICHAEL FINCHAM & KEZIA WINTERS	6.386
	598	05-18-37	BROOK SCHWING & BRADY DISHMAN	2.064
	599	05-18-45	MICHAEL S FINCHAM & KEZIA M WINTERS	2.07
	5100	05-18-50	STEVEN G BERISFORD	2.170
	5101	05-18-11.3	EDWARD BURGE JR. & JULIE BURGE	3
	5102	05-15-10	MARK STANLEY RUCKMAN	153.75
	5103	05-16-22.1	HEATHER A BURG	1.465
	5104	05-15-8	CNX LAND RESOURCES, INC	81.98
	5106	5-16-17	RICHARD D & JULIA M REPASKY, & BRIAN L TESLOVICH & CARA C DAVIS	55.34
	5107	5-16-18	JOHN SWIERKOS	10
	5110	5-24-5.2	JAMES D WATKINS, ET UX	3.151
	5111	05-24-5.1	JAMES D WATKINS, ET UX	4.60
	5112	05-23-7.1	RANDY W & JESSICA L FRANCIS	0.549
	5113	05-24-5	ROBERT C FRANCIS, ET UX (LIFE)	145.78
	5114	05-17-10.1	JAMES A & JILL C CORLEY	4.51
	5115	05-18-51	ROGER HALL	2.505
	5116	05-18-43	ROY E & RENEE BUTLER	2.532
	5117	05-18-44	RENEE STREIGHT BUTLER	2.133
	5118	05-18-41	CORDY A HOLT	2.308
	5119	05-18-46	DALE W & PATRICIA GARDNER HRS	2.030
	5120	05-18-47	RYAN L & MICHELLE A ALTHEIMENT	2.010
	5121	05-18-13.5	WESLEY BRYAN	1.023

02/23/2023

02/03/2023



P.S. 708 *David L Jackson*



OPERATOR'S
WELL #: Hendrickson N-8HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API #: 47-051-02480

WELL PLAT
PAGE 4 OF 4
DATE: 12/08/2022