

**KNOB CREEK N LEASE
WELL 2HM
TUG HILL OPERATING**

T.H. LATITUDE 39°47'30"
B.H. LATITUDE 39°50'00"

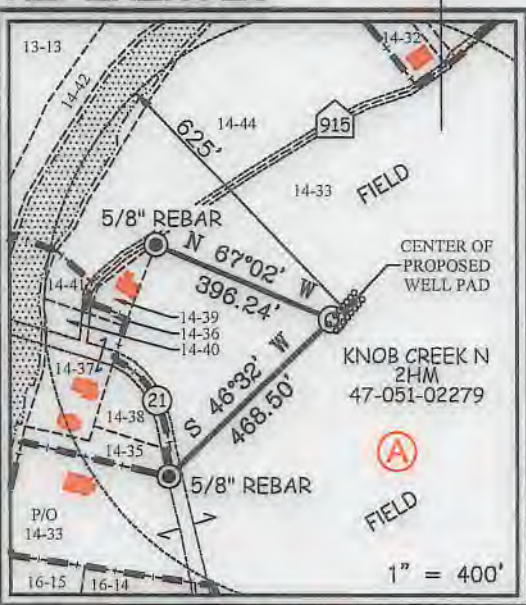
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 464,848.89 E. 1,829,646.16
 NAD'83 GEO. LAT-(N) 39.770006 LONG-(W) 80.705557
 NAD'83 UTM (M) N. 4,402,272.06 E. 525,217.67
LANDING POINT
 NAD'83 S.P.C.(FT) N. 465,442.4 E. 1,828,750.0
 NAD'83 GEO. LAT-(N) 39.771602 LONG-(W) 80.708774
 NAD'83 UTM (M) N. 4,402,448.3 E. 524,941.6
BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 476,812.4 E. 1,622,386.8
 NAD'83 GEO. LAT-(N) 39.802576 LONG-(W) 80.731965
 NAD'83 UTM (M) N. 4,405,879.9 E. 522,945.2

T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°42'30"

NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. WERE FOUND WITHIN 525' OF THE CENTER OF PROPOSED WELL PAD.
- SEE REFERENCES FOR DWELLINGS LOCATED WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.
- BASED ON WV DOT COUNTY ROUTE 74 IS A 40' STRIP OF LAND ACQUIRED IN NUMEROUS DEEDS.

REFERENCES



MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-6-1.2	CONSOLIDATION COAL COMPANY, MURRAY ENERGY	2.222
9-6-3.1	CONSOLIDATION COAL COMPANY, MURRAY ENERGY	10.00
9-10-7	DAVID & PAMELA SCHIMMEL	1.00
9-10-8	BRENT ALLEN CONNER	2.00
9-10-16	WILLIAM D. MCCONNELL	0.859
9-11-2.1	KENNETH P. GATEWOOD, ET UX	0.308
9-11-2.2	GERALD PADLOW, ET UX	0.291
9-13-9	ARTHUR L. MOORE	50 X 100 SQ. FT.
9-13-12.1	ROBERT T. & BARBARA A. ANKROM	2.632
9-13-13.1	THOMAS JOHN FOX	0.827
9-13-14	MARGARET FOX - LIFE	3.00
9-13-16	IVAN H. & MARGARET A. RICHMOND	21.354
9-13-22.1	HENRY, JR. & BARBARA DICK	11.82
9-13-22.2	EUGENE A. SCHERRER	0.923
9-13-25	MARGARET K. FOX - LIFE	1.52
9-14-1.2	KENNETH N. & TERESA A. SMERTNECK	1.02
9-14-11.3	PATRICK J. SCHELLHASE - TRUST	23.424
9-14-28	CHARLES R. SCHELLHASE, ET UX	3.029
9-14-29	ANDREW FASOULETOS, ET UX	0.209
9-14-29.1	ANDREW FASOULETOS, ET UX	1.171
9-14-30	WILLIAM C. GROFT, ET UX	0.35
9-14-31	WILFORD F. NELSON, JR., ET UX	0.954
9-14-32	TWILA C. COFFIELD	0.583
9-14-32.1	TWILA C. COFFIELD	0.184
9-14-35	PAUL G. FOX	0.338
9-14-36	MARGARET FOX - LIFE	1600 SQ. FT.
9-14-37	MARGARET FOX - LIFE	LOT
9-14-38	MARGARET FOX - LIFE	0.631
9-14-40	MARGARET FOX - LIFE	19,560 SQ. FT.
9-14-41	MARGARET FOX - LIFE	9163 SQ. FT.
9-14-43	JAMES G. FOX	0.66
9-14-44.1	GEORGE R. TAYLOR, ET UX	4.423
9-14-45	GEORGE R. TAYLOR, ET UX	10.98
9-14-46	MARGARET K. FOX - LIFE	13.888
9-14-47	MICHAEL L. & CHERYL J. ACREE	0.355
9-14-48	MICHAEL L. & CHERYL J. ACREE	0.473
9-14-49	MICHAEL L. & CHERYL J. ACREE	0.118
9-14-50	RONALD MARSH	0.707
9-14-51	GEORGE R. TAYLOR, ET UX	1.621
9-14-52	JAMES E. PEELMAN	0.439
9-14-53	JAMES E. PEELMAN	0.555
9-14-54	RICHARD L. HARVETH, ET UX	1.649
9-16-14	LYNN CAMP METHODIST CHURCH	0.762
9-16-15	RONALD R. YOUNG, ET UX - LIFE	52.02
9-16-15.1	ERIC J. YOUNG	1.98



12 Vashorn Drive | P.O. Box 190 | Glenville, WV 26351 | 304.462.5634
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.546.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5396
 slswv.com

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JULY 27, 20 18
 REVISED 09-30-2019, 08-28-2020, 10-29-2020
 OPERATORS WELL NO. KNOB CREEK N-2HM
 API WELL NO. 47 - 051 - 02279
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8789P2HMR3.dwg
KNOB CREEK N-2HM-REV2
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

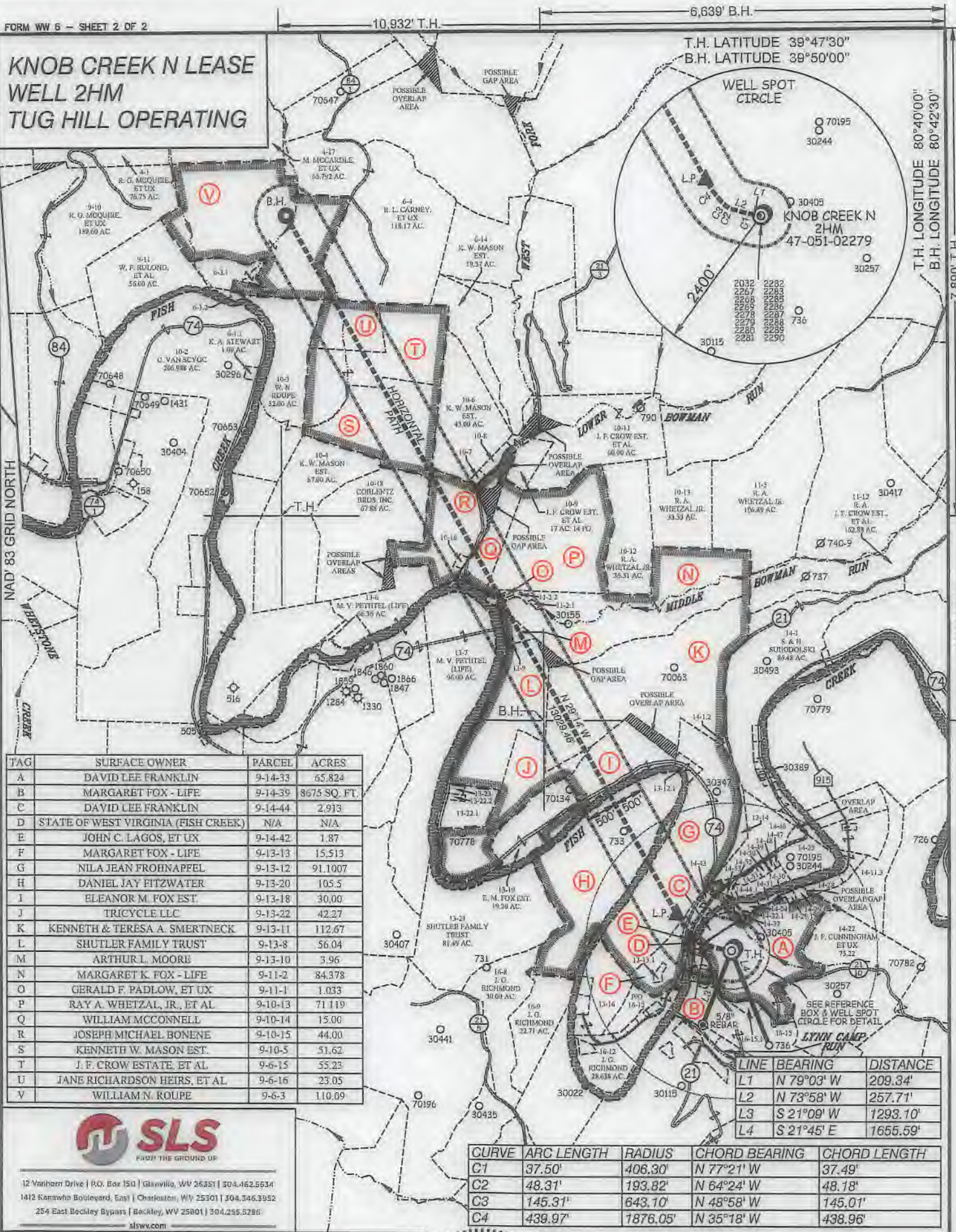
STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION:
 ELEVATION 737.50' WATERSHED FISH CREEK (HUC 10)
 DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'
 SURFACE OWNER DAVID LEE FRANKLIN ACREAGE 65.824±
 ROYALTY OWNER DAVID LEE FRANKLIN, ET AL - SEE WW-6A1 ACREAGE 65.824±
 PROPOSED WORK:
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH TVD: 6,343' / TMD: 19,667'

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

COUNTY NAME PERMIT

**NOB CREEK N LEASE
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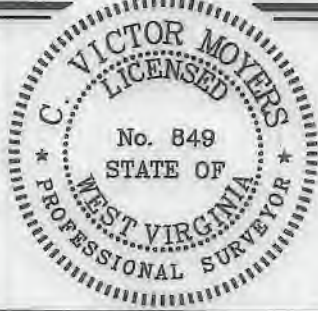
TAG	SURFACE OWNER	PARCEL	ACRES
A	DAVID LEE FRANKLIN	9-14-33	65.824
B	MARGARET FOX - LIFE	9-14-39	8675 SQ. FT.
C	DAVID LEE FRANKLIN	9-14-44	2.913
D	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
E	JOHN C. LAGOS, ET UX	9-14-42	1.87
F	MARGARET FOX - LIFE	9-13-13	15.513
G	NILA JEAN FROHNAPPEL	9-13-12	91.1007
H	DANIEL JAY FITZWATER	9-13-20	105.5
J	ELEANOR M. FOX EST.	9-13-18	30.00
J	TRICYCLE LLC	9-13-22	42.27
K	KENNETH & TERESA A. SMERTNECK	9-13-11	112.67
L	SHUTLER FAMILY TRUST	9-13-8	56.04
M	ARTHUR L. MOORE	9-13-10	3.96
N	MARGARET K. FOX - LIFE	9-11-2	84.378
O	GERALD F. PADLOW, ET UX	9-11-1	1.033
P	RAY A. WHETZAL, JR., ET AL	9-10-13	71.119
Q	WILLIAM MCCONNELL	9-10-14	15.00
R	JOSEPH MICHAEL BONENE	9-10-15	44.00
S	KENNETH W. MASON EST.	9-10-5	51.62
T	J. F. CROW ESTATE, ET AL	9-6-15	55.23
U	JANE RICHARDSON HEIRS, ET AL	9-6-16	23.05
V	WILLIAM N. ROUPE	9-6-3	110.09

LINE	BEARING	DISTANCE
L1	N 79°03' W	209.34'
L2	N 73°58' W	257.71'
L3	S 21°09' W	1293.10'
L4	S 21°45' E	1655.59'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	37.50'	406.30'	N 77°21' W	37.49'
C2	48.31'	193.82'	N 64°24' W	48.18'
C3	145.31'	643.10'	N 48°58' W	145.01'
C4	439.97'	1876.05'	N 35°18' W	438.96'



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LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP-PARCEL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-6A1)

SCALE 1" = 2000' FILE NO. 8789P2HMR3.dwg
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