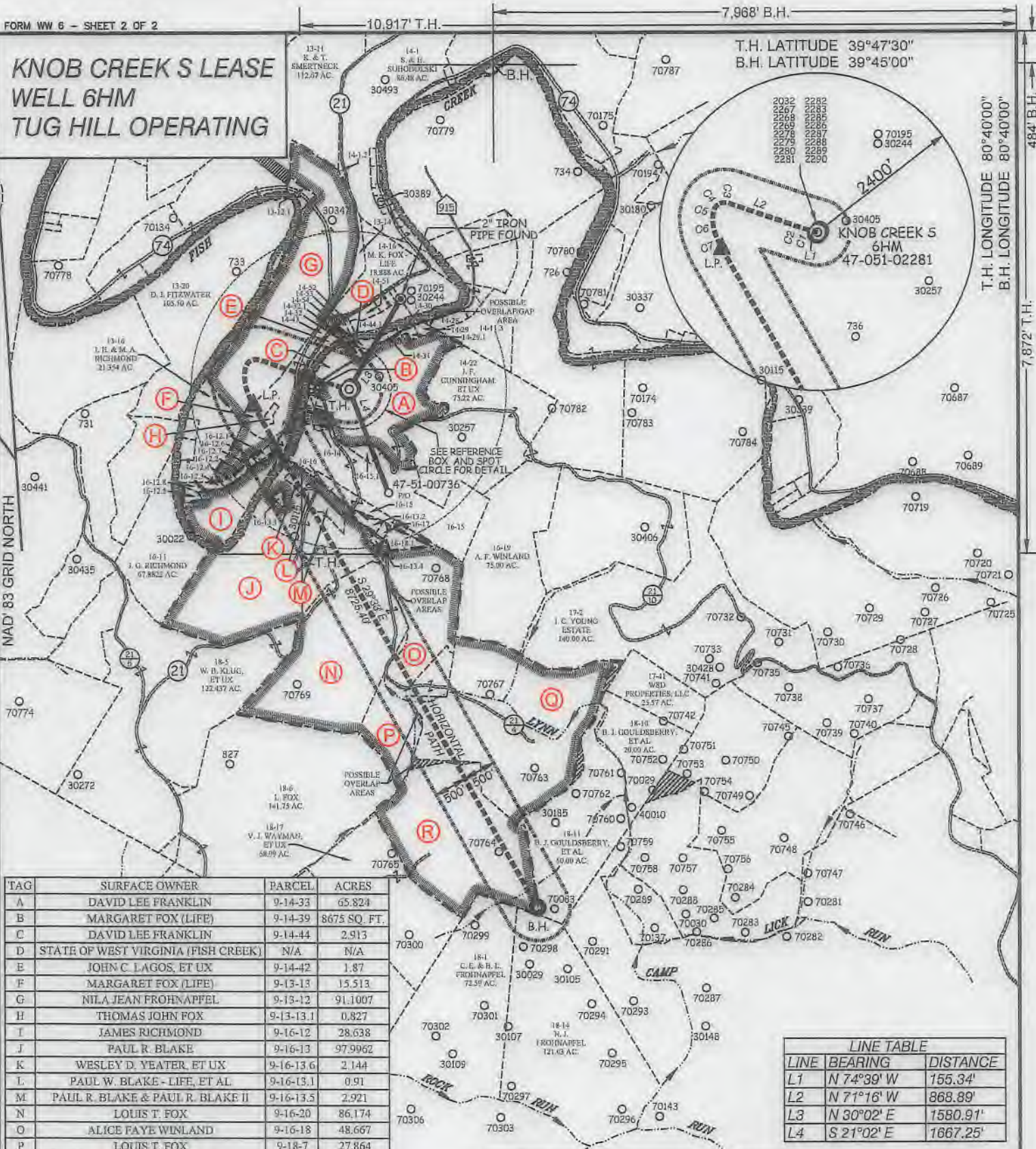


**KNOB CREEK S LEASE
WELL 6HM
TUG HILL OPERATING**



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 FROHNAPFEL	9-13-12	91.1007
H	THOMAS JOHN FOX	9-13-13.1	0.827
I	JAMES RICHMOND	9-16-12	28.638
J	PAUL R. BLAKE	9-16-13	97.9962
K	WESLEY D. YEATER, ET UX	9-16-13.6	2.144
L	PAUL W. BLAKE - LIFE, ET AL	9-16-13.1	0.91
M	PAUL R. BLAKE & PAUL R. BLAKE II	9-16-13.5	2.921
N	LOUIS T. FOX	9-16-20	86.174
O	ALICE FAYE WINLAND	9-16-18	48.667
P	LOUIS T. FOX	9-18-7	27.864
Q	ROBERT J. COMBS, ET AL	9-18-9	110.75
R	DOUGLAS J. WAYMAN	9-18-8	92.72

LINE	BEARING	DISTANCE
L1	N 74°39' W	155.34'
L2	N 71°16' W	868.89'
L3	N 30°02' E	1580.91'
L4	S 21°02' E	1667.25'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	105.64'	3582.04'	N 72°21' W	105.64'
C2	273.68'	36985.28'	N 71°27' W	273.68'
C3	145.36'	217.34'	N 87°54' W	142.67'
C4	115.54'	161.08'	S 47°24' W	113.08'
C5	148.13'	346.57'	S 12°47' W	147.00'
C6	241.35'	726.21'	S 08°50' E	240.24'
C7	245.81'	1235.52'	S 23°49' E	245.40'



(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)	
NAD83 S.P.C.(FT)	N. 464,867.39 E. 1,629,661.44
NAD83 GEO.	LAT-(N) 39.770057 LONG-(W) 80.705504
NAD83 UTM (M)	N. 4,402,277.77 E. 525,222.23
LANDING POINT	
NAD83 S.P.C.(FT)	N. 464,630.1 E. 1,628,206.2
NAD83 GEO.	LAT-(N) 39.769352 LONG-(W) 80.710669
NAD83 UTM (M)	N. 4,402,198.1 E. 524,780.1
BOTTOM HOLE	
NAD83 S.P.C.(FT)	N. 457,039.1 E. 1,632,508.7
NAD83 GEO.	LAT-(N) 39.748672 LONG-(W) 80.695005
NAD83 UTM (M)	N. 4,399,907.3 E. 526,129.5



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

P.S. 849 *C. Victor Moyers*

SCALE 1" = 2000' FILE NO. 8789P6HMR3.dwg
 DATE JULY 27, 2018
 REVISED 09-30-2019, 08-28-2020, 10-29-2020
 OPERATORS WELL NO. KNOB CREEK S-6HM
 API WELL NO. 47-051-02281
 NO. STATE COUNTY PERMIT

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

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)	

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 26313

COUNTY NAME PERMIT

**KNOB CREEK S LEASE
WELL 6HM
TUG HILL OPERATING**

-B.H.

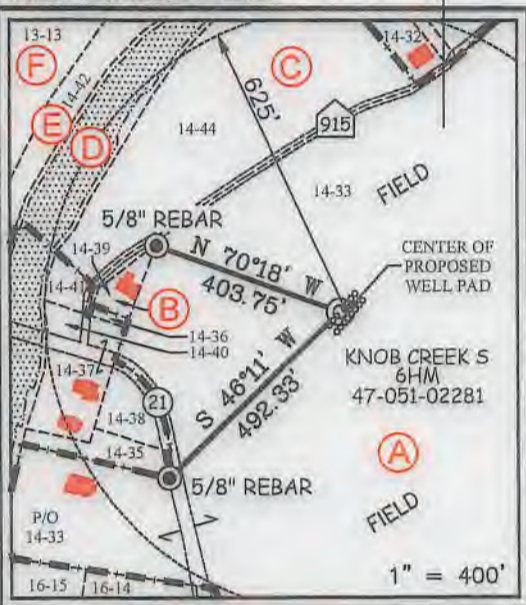
T.H. LATITUDE 39°47'30"
B.H. LATITUDE 39°45'00"

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)		
NAD'83 S.P.C.(FT)	N. 464,887.39	E. 1,629,661.44
NAD'83 GEO.	LAT-(N) 39.770057	LONG-(W) 80.705504
NAD'83 UTM (M)	N. 4,402,277.77	E. 525,222.23
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 464,630.1	E. 1,628,206.2
NAD'83 GEO.	LAT-(N) 39.769352	LONG-(W) 80.710669
NAD'83 UTM (M)	N. 4,402,198.1	E. 524,780.1
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 457,039.1	E. 1,632,508.7
NAD'83 GEO.	LAT-(N) 39.748672	LONG-(W) 80.695005
NAD'83 UTM (M)	N. 4,399,907.3	E. 526,129.5

T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°40'00"
484' B.H.
7,872' T.H.

REFERENCES

T.H.



MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-13-12.1	ROBERT T. & BARBARA A. ANKROM	2.632
9-13-14	MARGARET K. FOX - LIFE	3.00
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	9165 SQ. FT.
9-14-43	JAMES G. FOX	0.66
9-14-44.1	GEORGE R. TAYLOR, ET UX	4.423
9-14-51	GEORGE R. TAYLOR, ET UX	1.621
9-14-52	JAMES E. PEELMAN	0.439
9-14-53	JAMES E. PEELMAN	0.355
9-14-54	RICHARD L. HARVETH, ET UX	1.649
9-16-12.1	JAMES G. RICHMOND, ET UX	0.691
9-16-12.2	SPENCER J. & CARRIE A. RICHMOND	0.375
9-16-12.3	JAMES G. RICHMOND, ET UX	0.937
9-16-12.4	SHEILA TRUJAX, ET VIR.	0.516
9-16-12.5	TIMOTHY S. & GRETCHEN M. KIDD	1.23
9-16-12.6	SPENCER J. & CARRIE A. RICHMOND	0.141
9-16-12.7	SPENCER J. & CARRIE A. RICHMOND	0.55
9-16-12.8	IVAN H. & MARGARET A. RICHMOND	0.83
9-16-13.2	ELEANOR M. FOX ESTATE	1.570
9-16-13.3	PAUL R. BLAKE	0.7538
9-16-13.4	JOHN FOX	0.533
9-16-14	LYNN CAMP METHODIST CHURCH	0.762
9-16-15	RONALD R. YOUNG, ET UX - LIFE	32.02
9-16-15.1	ERIC J. YOUNG	1.98
9-16-16	CLINTON B. WHITELATCH, SR., ET UX ESTS	1 AC. 5 6/10 POLES
9-16-17	ELEANOR M. FOX ESTATE	0.741
9-16-18.1	ROBIN D. & DAVID G. STEWART	3.333

NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. WERE FOUND WITHIN 825' OF THE CENTER OF PROPOSED WELL PAD.
- SEE REFERENCES FOR DWELLINGS LOCATED WITHIN 825' 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.



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.482.5834
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3932
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
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 S-6HM
API WELL NO. 47 - 051 - 02281
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8789P6HMR3.dwg
KNOB CREEK S-6HM-REV4
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 B.H. - WILEYVILLE 7.5' / T.H. - 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: 15,777'

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