

**KNOB CREEK S LEASE
WELL 9HM
TUG HILL OPERATING**

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

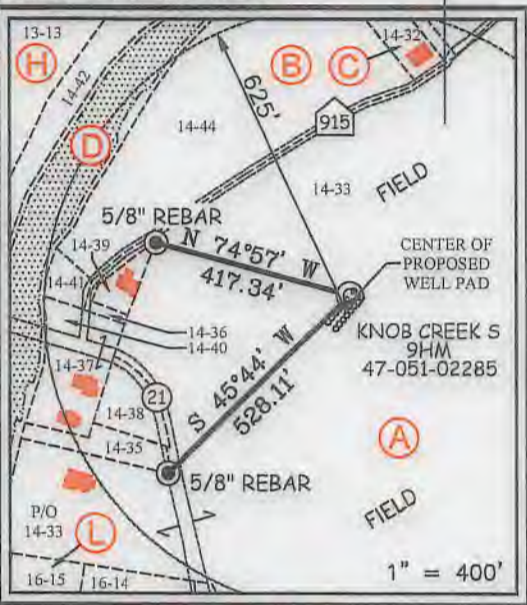
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 464,895.15	E. 1,629,684.36
NAD'83 GEO.	LAT-(N) 39.770134	LONG-(W) 80.705424
NAD'83 UTM (M)	N. 4,402,286.35	E. 525,229.07
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 465,826.2	E. 1,630,144.3
NAD'83 GEO.	LAT-(N) 39.772707	LONG-(W) 80.703832
NAD'83 UTM (M)	N. 4,402,572.3	E. 525,364.4
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 456,693.3	E. 1,635,275.2
NAD'83 GEO.	LAT-(N) 39.747823	LONG-(W) 80.685150
NAD'83 UTM (M)	N. 4,399,816.1	E. 526,974.1

T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°40'00"
794' B.H.
7,843' T.H.

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-13-13.1	THOMAS JOHN FOX	0.827
9-13-14	MARGARET K. FOX - LIFE	3.00
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. GROFF, ET UX	0.33
9-14-32.1	TWILA C. COFFIELD	0.184
9-14-33	PAUL G. FOX	0.338
9-14-36	MARGARET FOX - LIFE	1600 SQ. FT.
9-14-37	MARGARET FOX - LIFE	LOT (ASSD)
9-14-38	MARGARET FOX - LIFE	0.631
9-14-39	MARGARET FOX - LIFE	8675 SQ. FT.
9-14-40	MARGARET FOX - LIFE	19,560 SQ. FT.
9-14-41	MARGARET FOX - LIFE	9165 SQ. FT.
9-14-42	JOHN C. LAGOS, ET UX	1.87
9-14-43	JAMES G. FOX	0.66
9-14-45	GEORGE R. TAYLOR, ET UX	4.423
9-14-46.1	MARTHA JANE FAZZARO	1.512
9-14-47	MICHAEL L. & CHERYL J. ACREE	0.355
9-14-48	MICHAEL L. & CHERYL J. ACREE	0.475
9-14-49	MICHAEL L. & CHERYL J. ACREE	0.118
9-14-50	RONALD MARSH	0.707
9-14-53	JAMES F. PEELMAN	0.555
9-14-54	RICHARD L. HARVETH, ET UX	1.649
9-16-13.2	ELEANOR M. FOX EST.	1.370
9-16-13.4	JOHN FOX	0.533
9-16-14	LYNN CAMP METHODIST CHURCH	0.762
9-16-15.1	ERIC J. YOUNG	1.98
9-16-16	CLINTON B. WHITELATCH, SR., ET UX ESTS	1 AC. 5 6/10 PO.
9-16-17	ELEANOR M. FOX EST.	0.741
9-16-18.1	ROBIN D. & DAVID G. STEWART	3.333

REFERENCES



12 Vannorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kinawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
354 East Beckley Bypass | Beckley, WV 25801 | 304.355.5295
slsvw.com

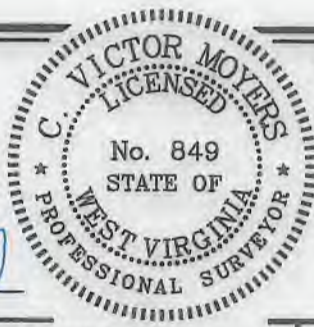
NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. WERE FOUND WITHIN 625' 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.

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

OPERATORS WELL NO. KNOB CREEK S-9HM
API WELL NO. 47 - 051 - 02285
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8789P9HMR2.dwg
KNOB CREEK S-9HM-REV3
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: GROUND = 734.20' ELEVATION PROPOSED = 734.67' 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 03/19/2021

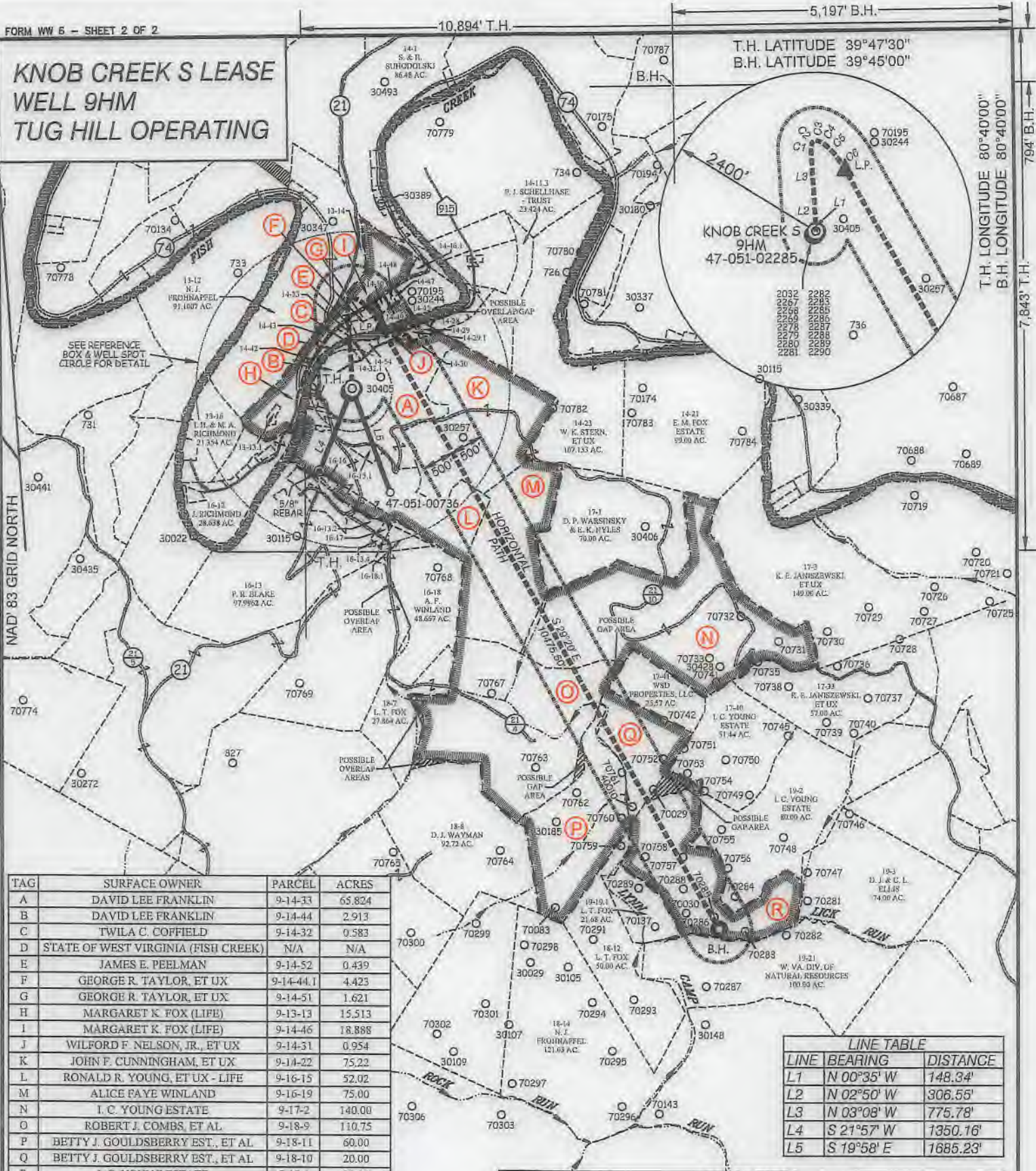
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TVD: 6,360' / TMD: 17,418'

COUNTY NAME
PERMIT

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

**KNOB CREEK S LEASE
WELL 9HM
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TAG	SURFACE OWNER	PARCEL	ACRES
A	DAVID LEE FRANKLIN	9-14-33	65.824
B	DAVID LEE FRANKLIN	9-14-44	2.913
C	TWILA C. COFFIELD	9-14-32	0.583
D	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
E	JAMES E. PEELMAN	9-14-52	0.439
F	GEORGE R. TAYLOR, ET UX	9-14-44.1	4.423
G	GEORGE R. TAYLOR, ET UX	9-14-51	1.621
H	MARGARET K. FOX (LIFE)	9-13-13	15.513
I	MARGARET K. FOX (LIFE)	9-14-46	18.888
J	WILFORD F. NELSON, JR., ET UX	9-14-31	0.954
K	JOHN F. CUNNINGHAM, ET UX	9-14-22	75.22
L	RONALD R. YOUNG, ET UX - LIFE	9-16-15	52.02
M	ALICE FAYE WINLAND	9-16-19	75.00
N	I. C. YOUNG ESTATE	9-17-2	140.00
O	ROBERT J. COMBS, ET AL.	9-18-9	110.75
P	BETTY J. GOULDSBERRY EST., ET AL.	9-18-11	60.00
Q	BETTY J. GOULDSBERRY EST., ET AL.	9-18-10	20.00
R	I. C. YOUNG ESTATE	9-19-1	80.00

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 00°35' W	148.34'
L2	N 02°50' W	306.55'
L3	N 03°08' W	775.78'
L4	S 21°57' W	1350.16'
L5	S 19°58' E	1685.23'

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	88.49'	243.38'	N 05°28' E	88.00'
C2	78.72'	74.88'	N 44°34' E	75.15'
C3	52.65'	118.14'	S 85°30' E	52.22'
C4	100.98'	329.77'	S 61°46' E	100.59'
C5	222.62'	918.31'	S 45°55' E	222.08'
C6	281.74'	1618.82'	S 34°04' E	281.38'



12 Vanlind Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634
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 254 East Buckley Bypass | Beckley, WV 25801 | 304.235.5296
 slsvv.com

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P.S. *C. Victor Moyers*
 849

LEGEND	
LEASE LINE	———
SURFACE LINE	———
WELL LATERAL	———
OFFSET LINE	———
TIE LINE	———
CREEK	———
ROAD	———
COUNTY ROUTE	———
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP-PARCEL	00-00
SURFACE OWNER (SEE TABLE)	(A)
LEASE # (SEE WW-6A1)	(A)

SCALE 1" = 2000' FILE NO. 8789P9HMR2.dwg
 DATE JULY 27, 2018
 REVISED 09-30-2019, 08-28-2020
 OPERATORS WELL NO. KNOB CREEK S-9HM
 API WELL NO. 47-051-02285
 STATE COUNTY PERMIT

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

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 DESIGNATED AGENT DIANNA STAMPER CT CORPORATION SYSTEM ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

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