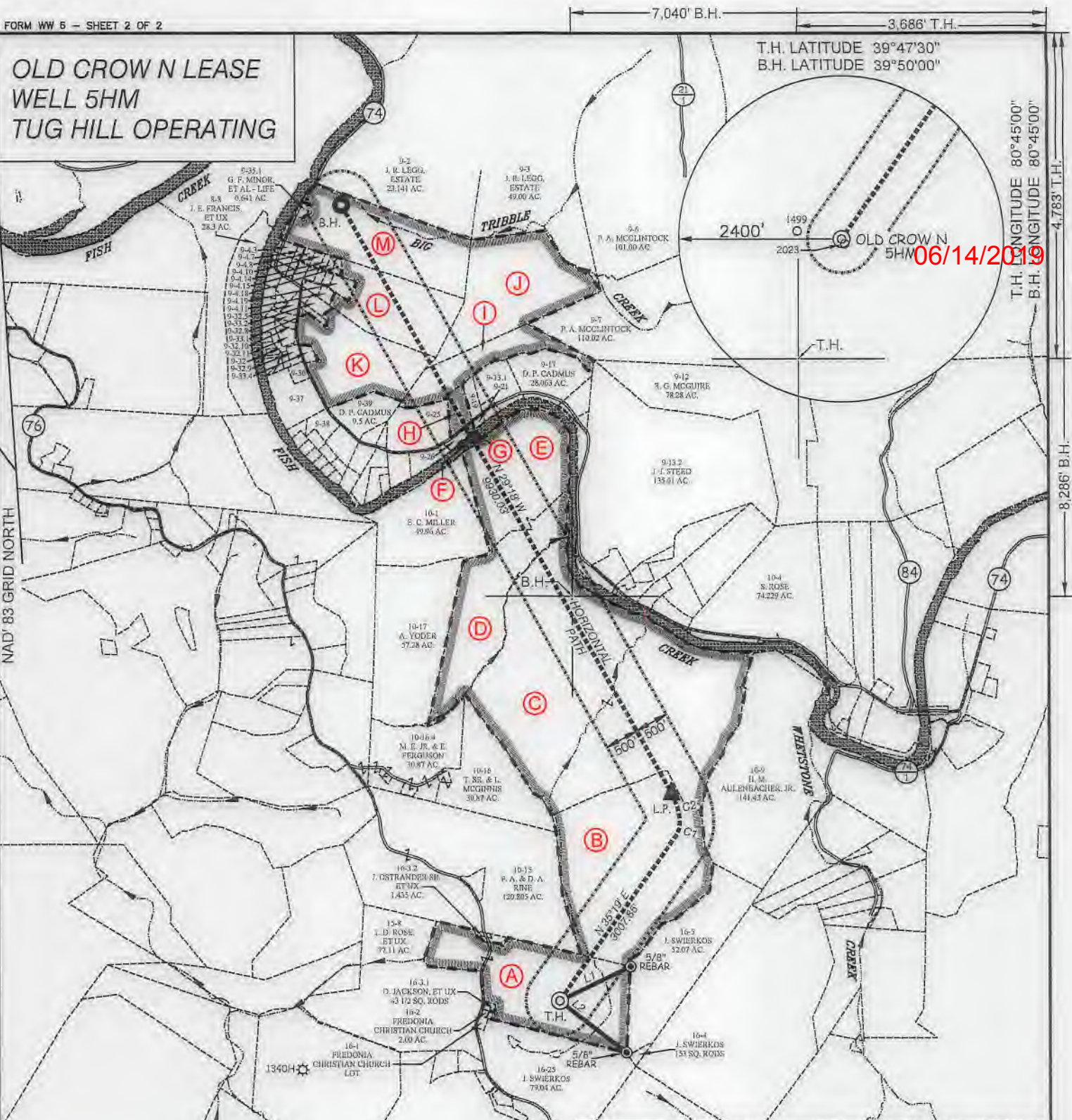


**OLD CROW N LEASE
WELL 5HM
TUG HILL OPERATING**

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



CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	182.71'	317.16'	N 15°52' E	180.20'
C2	454.80'	881.01'	N 15°41' W	449.77'

TAG	SURFACE OWNER	PARCEL	ACRES
A	DONNA VIVIAN YOHO (TOD) GARY LANCE YOHO	5-16-3	71.205
B	JOHN SWIERKOS	5-10-14	100.00
C	HERBERT M. AULENBACHER, JR.	5-10-3	225.50
D	WILLIAM A. PRASCIK, ET AL	5-10-2	52.00
E	EDWIN C. MILLER	5-9-20	51.64
F	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
G	ALBERT F. KAZEMKA	5-9-22	0.5
H	DELBERT K. & LINDA K. MYERS	5-9-23	7.00
I	DENNIS P. CADMUS	5-9-24	21 AC 49 P
J	LLOYD C. & JUDITH C. ARNOLD	5-9-41	93.00
K	KEITH D. DANIELS, ET UX	5-9-33	40.331
L	LLOYD C. & JUDITH C. ARNOLD	5-9-4	18.854
M	LLOYD C. & JUDITH C. ARNOLD	5-9-35	47.00

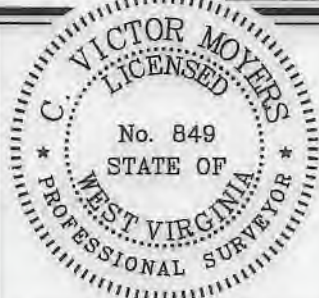
LINE	BEARING	DISTANCE
L1	N 64°29' E	1164.44'
L2	S 52°46' E	1239.99'

P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26351 • (304) 462-5634
www.slsurveys.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 468,178.88 E. 1,613,512.78
 NAD'83 GEO. LAT-(N) 39.778538 LONG-(W) 80.763115
 NAD'83 UTM (M) N. 4,403,204.44 E. 520,285.60

LANDING POINT
 NAD'83 S.P.C.(FT) N. 471,239.3 E. 1,615,179.6
 NAD'83 GEO. LAT-(N) 39.787004 LONG-(W) 80.757337
 NAD'83 UTM (M) N. 4,404,145.3 E. 520,777.8

BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 479,899.6 E. 1,610,321.1
 NAD'83 GEO. LAT-(N) 39.810589 LONG-(W) 80.775062
 NAD'83 UTM (M) N. 4,406,759.0 E. 519,253.6



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

P.S. 849 *C. Victor Moyers*

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)

00-00 (A)

SCALE 1" = 2000' FILE NO. 8796P5HMR.dwg
 OLD CROW NORTH 5HM REV1
 DATE JUNE 22 20 18
 REVISED JANUARY 17 20 19
 OPERATORS WELL NO. OLD CROW N-5HM
 API WELL NO. 47-051-02208
 STATE COUNTY PERMIT

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

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

COUNTY NAME PERMIT