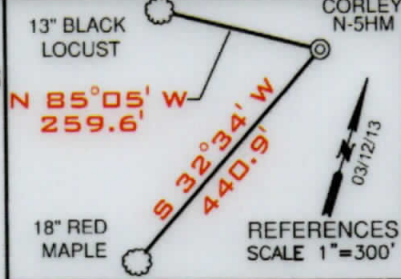


(BH) 10,678' (TH) 3,753'

CORLEY LEASE WELL N-5HM
552.127± ACRES



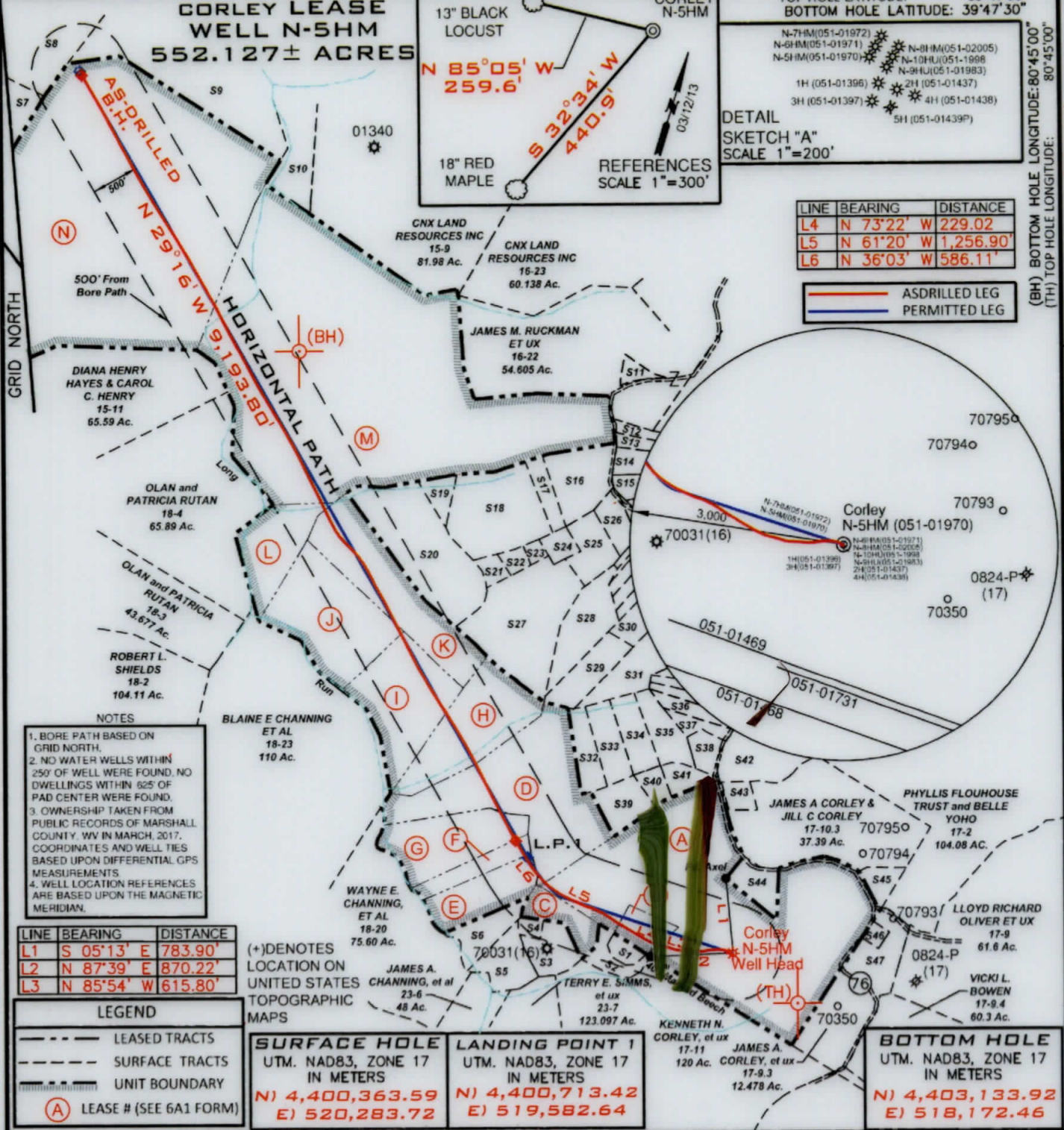
TOP HOLE LATITUDE: 39°47'30"
BOTTOM HOLE LATITUDE: 39°47'30"
N-7HM(051-01972)
N-8HM(051-01971)
N-9HM(051-01970)
N-10HM(051-1998)
N-11HM(051-01983)
1H (051-01396)
2H (051-01437)
3H (051-01397)
4H (051-01438)
5H (051-01439P)

DETAIL SKETCH "A" SCALE 1"=200'

LINE	BEARING	DISTANCE
L4	N 73°22' W	229.02
L5	N 61°20' W	1,256.90'
L6	N 36°03' W	586.11'

ASDRILLED LEG
PERMITTED LEG

(BH) BOTTOM HOLE LONGITUDE: 80°45'00"
(TH) TOP HOLE LONGITUDE: 80°45'00"
(BH) 5,019'
(TH) 14,120'



- 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 MARCH, 2017. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 - WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

LINE	BEARING	DISTANCE
L1	S 05°13' E	783.90'
L2	N 87°39' E	870.22'
L3	N 85°54' W	615.80'

LEGEND

- LEASED TRACTS
- SURFACE TRACTS
- UNIT BOUNDARY
- (A) LEASE # (SEE 6A1 FORM)

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

SURFACE HOLE		LANDING POINT 1	
UTM. NAD83, ZONE 17 IN METERS			
N)	4,400,363.59	N)	4,400,713.42
E)	520,283.72	E)	519,582.64

BOTTOM HOLE	
UTM. NAD83, ZONE 17 IN METERS	
N)	4,403,133.92
E)	518,172.46

FILE NUMBER _____

DRAWING NUMBER CORLEY_WP_N-5HM

SCALE 1" = 1500'

MINIMUM DEGREE OF ACCURACY 1/200

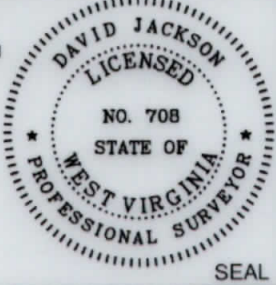
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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



JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5851



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

DATE: OCTOBER 22, 2019

OPERATORS WELL NO. CORLEY N-5HM

API WELL NO. 47-051-01970

STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION ELEVATION 1255.2' WATERSHED (HUC 10) Fish Creek

DISTRICT Franklin COUNTY Marshall

QUADRANGLE Powhatan Point 7.5' LEASE NUMBER SEE 6A1 Form

SURFACE OWNER James A. & Jill C. Corley, et al ACREAGE 92.61

OIL & GAS ROYALTY OWNER James A. & Jill C. Corley, et al LEASE ACREAGE 92.61

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

TARGET FORMATION Marcellus ESTIMATED DEPTH TVD: 6,602' TMD: 16,769'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
CT CORPORATION SYSTEM

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

COUNTY NAME
PERMIT

PG 2 OF 2 **CORLEY LEASE**
WELL N-5HM
552.127± ACRES

GRID NORTH

Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES
S1	17-12	James A. & Jill C. Corley	3.33
S2	17-12.1	Williams Ohio Valley Midstream LLC	1.67
S3	18-13.8	Lori D. Carpenter	5.545
S4	18-29	Carl G Berg	5.319
S5	18-32	Kenneth E Rastall	5.335
S6	18-32.1	Lori D. Carpenter	1.165
S7	15-15	Robert L. Shields et al	4.90
S8	15-1	Marcus Sharp & David Schlabach	121.0
S9	15-14	John David Petrock et ux	25.0
S10	15-13	CNX Land Resources Inc.	11.0
S11	16-22.1	Heather Burgy	1.465
S12	18-56	William E. O'Hara	3.965
S13	18-55	William E. O'Hara	3.202
S14	18-28	Dotson Harrison et ux	6.36
S15	18-28.1	Carol Diane Helmick	5.696
S16	18-11	Benjamin Robinson	10.883
S17	18-11.2	Edward Lee Burge Jr.	2.0
S18	18-11.1	Edward Lee Burge Jr.	18.0
S19	18-15	Edward Lee Burge Jr.	2.495
S20	18-15.4	Edward Lee Burge Jr.	22.34
S21	18-10.1	David V Anderson Et Ux	1.65
S22	18-10.2	David V Anderson Et Ux	1.377
S23	18-10	David & Nancy Anderson	0.907
S24	18-12	William L Wayne Et Ux	2.270
S25	18-15.1	Jason Blair	5.948
S26	18-15.2	Edward L. Burge	4.171
S27	18-15.5	Darrell & Teresa Boley	23.547
S28	18-13.3	Robert G Closterman	9.813
S29	18-17	Michael Fincham & Kezia Winters	6.555
S30	18-14	Michael Fincham & Kezia Winters	6.386
S31	18-13.1	Cory A Holt	9.248
S32	18-34	Jodi A & Gary A Hall	5.002
S33	18-13.13	Glenn E & Sandra K Whisler	5.59
S34	18-13.6	Glenn Eugene Whisler Et Ux	5.384
S35	18-13.7	Victor W. Woods Jr. & Jessica L. Woods	5.255
S36	18-61	Roger White Jr.	2.984
S37	18-57	Marvin Roberts	2.228
S38	18-18	Linda J. Coen	3.0
S39	18-33	Sandra K & Glenn E Whisler	5.343
S40	18-13.14	Glenn E. & Sandra K. Whisler	2.116
S41	18-48	Marvin Dean Roberts et ux & Brad & Bridget Williams	2.920
S42	18-19	Roger D. White Jr.	10.0
S43	17-10.4	Ron & Winnie Murrin et al	2.01
S44	17-10.1	James A. & Jill C. Corley	4.51
S45	17-10.2	Sidney Pozell Et Ux Ests	2.6
S46	17-9.1	Jeri J White	1.0

PERMITTED

SURFACE HOLE

UTM. NAD83, ZONE 17
IN METERS

N) 4,400,363.49
E) 520,283.68

LANDING POINT 1

UTM. NAD83, ZONE 17
IN METERS

N) 4,400,660.28
E) 519,622.23

BOTTOM HOLE

UTM. NAD83, ZONE 17
IN METERS

N) 4,403,147.15
E) 518,165.59



P.S.
708

David L Jackson



TUG HILL
OPERATING

OPERATOR'S

WELL #: Corley N-5HM

DISTRICT: Franklin

COUNTY: Marshall

STATE: WV

API #: 47-051-01970

WELL PLAT

PAGE 2 OF 2

DATE: 10/22/2019