

Latitude: 40°20'00"

SURFACE HOLE 10523'

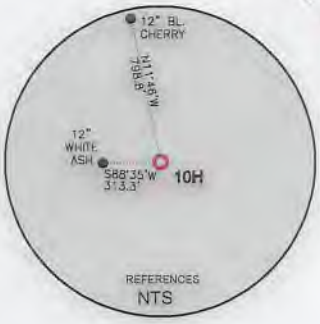
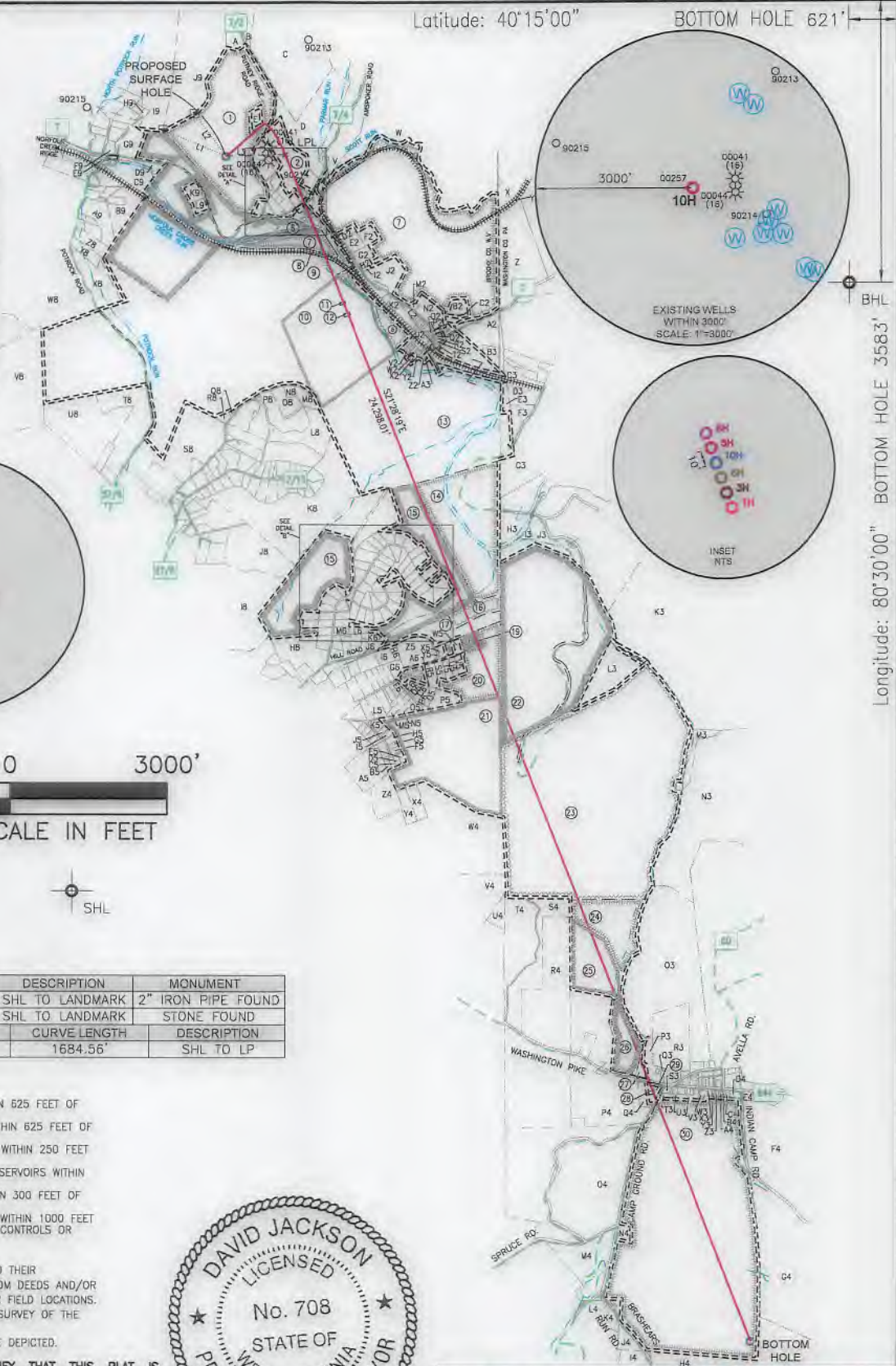
Latitude: 40°15'00"

BOTTOM HOLE 621'

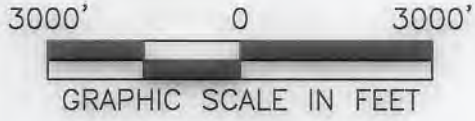
JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,461,417.479 EASTING: 539,283.420
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,461,424.523 EASTING: 539,629.719
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,454,532.479 EASTING: 542,340.671



GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



SHL

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 67°18'29" W	1294.82'	SHL TO LANDMARK	2" IRON PIPE FOUND
L2	N 36°10'05" W	1007.23'	SHL TO LANDMARK	STONE FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 88°50'05" E	1136.38'	1684.56'	SHL TO LP

WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



P.S. 708 *David L Jackson*

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	COMPANY: SWN Production Company, LLC STATE OF WV DNR C BRK OPERATOR'S WELL #: 10H API WELL #: 47 009 00309 STATE COUNTY PERMIT
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: NORTH FORK CROSS CREEK - CROSS CREEK (HUC-10) ELEVATION: 990.0'

DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STEUBENVILLE EAST, WV

SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION ACREAGE: ±83.858

OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION ACREAGE: ±83.858

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,918 TVD 30,445 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508



LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL * LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH	REVISIONS: DATE: 03-12-2020 DRAWN BY: N. MANO SCALE: 1" = 3000' DRAWING NO: WELL LOCATION PLAT
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**JACKSON SURVEYING
INC.**

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Clarksburg, WV 26302
304-623-5851

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S/R)	4-CC20-06
TRACT	SURFACE OWNER	TAX PARCEL
2	LINDY L. GALIANO & SANTY GALIANO (S)	4-CC20-19.1
3	WILLIAM MARINO & MILDRED T. MARINO (S)	4-CC20-35
4	EARL R. BLACK (S)	4-CC20-39
5	NORFOLK & WESTERN RAILWAY CO. (S)	4-CC24B-29
6	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S)	4-CC19-169
7	NICKOLES 3, LLC (S)	4-CC20-33
8	NORFOLK & WESTERN RAILWAY CO. (S)	4-C19K-18
9	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S)	4-CC23-325
10	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S)	4-CC24-03
11	LARRY E. REED (S)	4-CC24-02
12	MICHAEL L. OBER (S)	4-CC24-01
13	MICHAEL OBER (S)	4-CC24-07
14	EUGENE CRUNY (S)	4-CC24-130
15	DEAN SMITH (S)	4-CC24-99
16	STARVAGGI INDUSTRIES (S)	4-CC24-129
17	MICHAEL D. JONES & LOIS J. JONES (S)	4-CC24-128
18	KEITH J. FISCHER & DAWN MARIE FISCHER (S)	4-CC24-152
19	RYAN J. COOK & EMILY M. COOK (S)	4-CC24-149
20	ELLEN CATTARUZZA (S)	4-CC29-39
21	DEBRA CYPHER, MATTHEW FAIR & SUSAN BRUFFY (S)	4-CC29-57
22	BROWNLEE LAND VENTURES (S)	370-001-00-00-0015-00
23	STATE LINE REAL ESTATE LLC (S)	370-004-00-00-0001-00
24	RONALD B. POWELL JR. & ROSEANNE POWELL (S)	370-007-00-00-0002-02
25	CHERYL BUTYA (S)	370-007-00-00-0002-01
26	DAVID J. DEMPSTER & HOANNE K. DEMPSTER (S)	370-007-00-00-0002-03
27	WILLIAM TACZAK & GEORGE TACZAK (S)	370-008-01-01-0001-01
28	LOWER BUFFALO PRESBYTERIAN CHURCH (S)	370-008-01-03-0001-00
29	LOWER BUFFALO PRESBYTERIAN CHURCH (S)	370-008-01-03-0002-00
30	JOSEPH J. DEPETRO III (S)	370-011-00-00-0009-00

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
A	JOHN ERNEST MILLER & JESSE ANDREW MILLER	4-CC20-04	D2	TIMOTHY J. DISERIO	4-CC20-42
B	DENNIS M. BREEN & SUSAN D. BREEN	4-CC20-22	E2	JAMES JOHNSON & CHARLENE JOHNSON	4-CC20-43
C	COLLIERS SPORTSMAN CLUB	4-CC20-21	F2	JEFFERY O. NICKOLES	4-CC20-33.1
D	LINDY L. BLACK	4-CC20-07	G2	JEFFERY NICKOLES, RANDY NICKOLES & GREGORY NICKOLES	4-C24B-01
E	WILLIAM MORGAN ROUSE & DORIS J. ROUSE	4-CC20-20	H2	EDWARD L. THOMPSON & CAROL J. THOMPSON	4-C24B-02
F	EDWARD L. CARTER & DEBORAH C. CARTER	4-CC20-18	I2	WVA DEPARTMENT OF HIGHWAYS	4-C24B-03
G	EDWARD L. CARTER & DEBORAH C. CARTER	4-CC20-17	J2	JANE KIERCE	4-C24B-04
H	ERIC T. GALIANO	4-CC20-16	K2	DEBRA MCQUILLAN & ANNETTE MILLER	4-C24B-28
I	ERIC T. GALIANO	4-CC20-14	L2	DEBRA MCQUILLAN & ANNETTE MILLER	4-C24B-27
J	ERIC T. GALIANO	4-CC20-19	M2	GREGORY NICKOLES	4-C24B-06
K	KEVIN MCCONNELL	4-CC20-11	N2	ANNETTE MILLER, FRANK MCQUILLAN & ANNA MAE MCQUILLAN	4-C24B-07
L	BARBARA J. MCCONNELL	4-CC20-10	O2	GREG NICKOLES & CAROL NICKOLES	4-C24B-16
M	SUSAN K. PRONCHIK	4-CC20-08	P2	H3, LLC.	4-C24B-15
N	SANTY GALIANO & LINDY GALIANO	4-CC20-38	Q2	GREG NICKOLES & CAROL NICKOLES	4-C24B-14
O	WAYNE L. HENDERSON & BETHANY A. HENDERSON	4-CC20-37	R2	GREG NICKOLES & CAROL NICKOLES	4-C24B-13
P	MILDRED T. MARINO & WILLIAM MARINO	4-CC20-36	S2	GREG NICKOLES & CAROL NICKOLES	4-C24B-12
Q	ERIC T. GALIANO	4-CC20-13	T2	GREG NICKOLES & CAROL NICKOLES	4-C24B-11
R	ERIC T. GALIANO	4-CC20-15	U2	JAMES JOHNSON & CHARLENE JOHNSON	4-C24B-10
S	ROBERT CLINE & DELORIS CLINE	4-CC20-34	V2	MICHAEL L. OBER	4-C24F-01
T	RON GASPARINE	4-CC20-40	W2	MICHAEL L. OBER	4-C24F-10
U	ROBERT C. HIGGINBOTHAM JR.	4-CC20-41	X2	MICHAEL L. OBER	4-C24F-09
V	DEBORAH K. SLIDAY	4-CC20-32	Y2	JOSEPH SANTORO & LINA SANTORO	4-C24F-08
W	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC20-25	Z2	ROBERT ANKROM & PEGGY ANKROM	4-C24F-12
X	CALVIN H. MYERS JR.	380-014-00-00-0002-00	A3	ROBERT ANKROM & PEGGY ANKROM	4-C24F-13
Y	JEFFERSON QTW EXEMPT PROPERTY	380-014-00-00-0001-00	B3	PITTSBURGH & WVA RAILWAY CO	4-C24F-14
Z	RANDY L. NICKOLES	380-015-00-00-0019-00	C3	JEFFERSON EXEMPT PROPERTY PITTSBURGH & WVA RAILWAY COMPANY	380-015-00-00-0011-00
A2	JEFFREY O. NICKOLES	4-C24B-09	D3	PITTSBURGH & WVA RAILWAY CO	380-015-00-00-0010-00
B2	RANDY L. NICKOLES	4-C24B-08	E3	PITTSBURGH & WVA RAILWAY CO	380-015-00-00-0010-02
C2	RANDY L. NICKOLES	4-C24B-33			

REVISIONS:	COMPANY:	 	
	OPERATOR'S	STATE OF WV DNR C BRK	
	WELL #:	47-009-0030010H	
	DISTRICT:	COUNTY:	STATE:
	CROSS CREEK	BROOKE	WV
			DATE: 03-12-2020
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 4

