

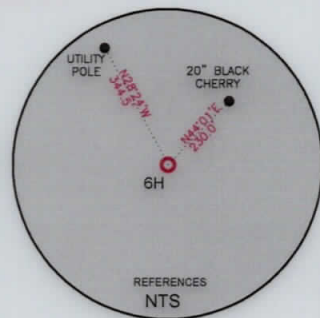
JACKSON SURVEYING INC.
P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,279.326 EASTING: 530,157.623
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,890.848 EASTING: 529,711.273
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,511.372 EASTING: 531,200.560

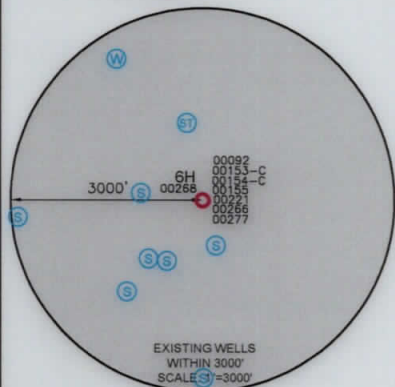
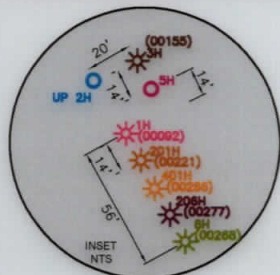
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

Latitude: 40°07'30" SURFACE HOLE 5945'

Latitude: 40°05'00" BOTTOM HOLE 2,577'



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,279.368 EASTING: 530,157.565
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,925.400 EASTING: 529,698.953
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,512.755 EASTING: 531,199.416



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 11°48'57" E	1441.18'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	N 55°23'10" E	1208.74'	SHL TO LANDMARK	FD. 5/8" REBAR
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 48°57'56" W	1,941.36'	2449.10'	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.
- WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- 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.

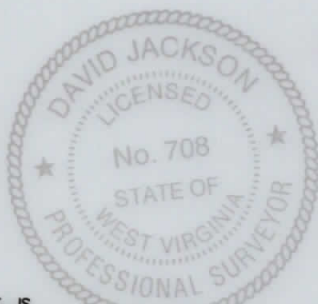
NOTES ON SURVEY

- 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



COMPANY: **SWN** Production Company, LLC

OPERATOR'S WELL #:	TIMMY MINCH OHI
API WELL #:	6H
	47 069 00268
	STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: BROWNS RUN OF PETERS RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1208.2'

DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: WHEELING, WV

SURFACE OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

OIL & GAS ROYALTY OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,273 TVD 19,033 TMD

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

LEGEND:	— SURVEYED BOUNDARY	REVISIONS:	DATE: 02-28-2019
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		
⊙ EXISTING / PRODUCING WELLHEAD	== LEASE BOUNDARY		
LPL* LANDING POINT LOCATION	— ASDRILLED PATH		
⊙ EXISTING WATER WELL	— PROPOSED PATH		
⊙ EXISTING SPRING			



Longitude: 80°37'30" SURFACE HOLE 11,682'
Longitude: 80°37'30" SURFACE HOLE 14,480'

**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	TIMMY B. MINCH & AMY L. MINCH (S/R)	06-T2-18
TRACT	SURFACE OWNER	TAX PARCEL
2	CHARLES MONFRADI & DOLORES MONFRADI (S)	04-R17-58
3	WILLIAM A. ORUM & CYNTHIA ORUM (S)	06-T7-178
4	FRANCIS L. BRADEN (S)	06-T7-97
5	JAMES D. MILLER JR. & CAROLINE KUCHAR MILLER (S)	06-T7-112
6	YE OLDE COUNTRY CHURCH OF FAITH TRUSTEES (S)	06-T7-112.2
7	J.D. MILLER JR. & CAROLINE K. MILLER (S)	06-T7-117
8	JOHN T. CRISWELL & CATHERINE ANN CRISWELL (S)	06-T7-150.1
9	WILLIAM R. RICKER & KATHY L. RICKER (S)	06-T7-150
10	TERESA GELLNER HULS (S)	06-T7-152
11	JOHN J. CORBETT (S)	06-T7-163
12	JOHN J. CORBETT (S)	06-T12-5
13	MIDDLE CREEK GARAGE INC. (S)	07-TW1-9

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
A	JON BARRY & JAYMIE BARRY	04-R17D-3	CCC	CHARLES A. BLISS ST. & MARY E. BLISS	06-T7-164
B	V.J. SOVINSKI & H.G. SOVINSKI	04-R17D-28	DDD	CHARLES A. BLISS ST. & MARY E. BLISS	06-T7-164.1
C	J.G. DEEDS & M.K. GARRISON	04-R17D-30	EEE	WILLIAM JAY BRINKMEIER	06-T7-165.1
D	L & B DEVELOPMENT, LLC	04-R17D-1	FFF	EDWARD M. EDGE & CHRISTINE B. EDGE	06-T7-165
E	RONALD J. POCKL	06-T2-20.1	GGG	OHIO VALLEY INDUSTRY & BUSINESS DEVELOPMENT CORPORATION	06-T7-166.1
F	MORGAN A. WOJCHOWSKI	06-T2-20	HHH	GREGORY J. GEORGE & JENNIFER S. GEORGE	06-T7-163.19
G	SHAWN A. HODGSON & LESLIE G. HODGSON	04-R17-62	III	MIDDLE CREEK GARAGE, INC.	06-T7-166
H	DANNY MINCH & GINA MINCH	04-R17-61	JJJ	RANDY APOSTOLEC	07-TW1-1.1
I	TIMMY B. MINCH & AMY L. MINCH	04-R17-63	KKK	WOODROW J. KNOLLINGER JR.	07-TW1-3.2
J	JUNIPER LODGE, INC.	06-T2-19	LLL	COUSINS REALTY INC.	07-TW1-7.1
K	WILLIAM A. ORUM & CYNTHIA E. ORUM	06-T2-19.1	MMM	COUSINS REALTY INC.	07-TW1-7
L	M.D. ORUM, W.B. ORUM, ELDER B. PENNINGTON & K.D. ORUM	06-T7-135.1	NNN	DWK RENTALS LLC	07-TW1-8
M	JEFFERY L. AUBER	06-T7-112.1	OOO	WV DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	NATIONAL ROAD
N	JO ANN AUBER LLC	06-T7-112.4	PPP	MIDDLE CREEK GARAGE, INC.	07-TW1-11
O	SHARON ANN AUBER	06-T7-112.3	QQQ	MIDDLE CREEK GARAGE, INC.	07-TW1-15
P	WHEELING NATURAL GAS CO.	06-T7-112.5	RRR	MIDDLE CREEK GARAGE, INC.	06-T12-6
Q	JAMES D. MILLER JR. & CAROLINE KUCHAR MILLER	06-T7G-34	SSS	KEVIN S. KOSEM & BRENDA A. KOSEM	07-TW2-11
R	LINDA M. DAVIS	06-T7G-13	TTT	MIDDLE CREEK GARAGE, INC.	07-TW1-19
S	WILLIAM W. WADE & LINDA J. WADE	06-T7G-15	UUU	MIDDLE CREEK GARAGE, INC.	07-TW1-20
T	JAMES D. MILLER JR. & CAROLINE KUCHAR MILLER	06-T7G-33	VVV	BDDE PROPERTIES, LLC	06-T12-4
U	ALBERT M. GARDNER	06-T7-113	WWW	LEWIS E. MCGRATH SR. & DOLORES I. MCGRATH	06-T7-126.3
V	DOROTHY B. BROEMSEN	06-T7-113.1	XXX	JAY A. POWELL & LISA P. POWELL	06-T7-157
W	DEBORAH L. RATHJEN	06-T7-114.1	YYY	DANIEL F. OCH	06-T7-156
X	DEBORAH L. RATHJEN	06-T7-114	ZZZ	RICHARD J. FITZPATRICK, SHERRI L. FITZPATRICK & THOMAS W. FITZPATRICK	06-T7-153
Y	R.H. ALBERT & E.R. ALBERT	06-T7-115	AAAA	DANIEL F. OCH	06-T7-155
Z	GARY WALTER & SUSAN WALTER	06-T7-148.4	BBBB	JAMES D. MILLER JR. & CAROLINE KUCHAR MILLER	06-T7-117.2
AA	JOHN T. CRISWELL & C.A. CRISWELL	06-T7-148.3	CCCC	CHAD W. BROADWATER & REBECCA L. BROADWATER	06-T7-67.16
BB	JOHN T. CRISWELL & C.A. CRISWELL	06-T7-148.1	DDDD	TODD M. SCHIRTZINGER & JENNY S. SCHIRTZINGER	06-T7-67.17
CC	JOHN T. CRISWELL & C.A. CRISWELL	06-T7-149	EEEE	WILLIAM O. LEWIS IV & CANDICE M. LEWIS	06-T7-67.19
DD	GARY R. WALTER & SUSAN L. WALTER	06-T7-148	FFF	THOMAS L. FOLMAR & DONNA LYNNE FOLMAR	06-T7-67.18
EE	STEVEN A. MOORE & LISA K. MOORE	06-T7-148.2	GGGG	FRANCES L. BRADEN	06-T7-67
FF	REGIS G. WENZEL & J.R. WENZEL	06-T7G-4	HHHH	JASON B. BIRCH & JESSICA L. BIRCH	06-T7-97.2
GG	JAMES L. HEATH	06-T7G-3	IIII	JONATHAN BRUCE WHARTON	06-T7-97.3
HH	DONALD N. HARRIS & J.A. HARRIS	06-T7-147.1	JJJJ	KENNETH SPENCER & STEPHANIE SPENCER	06-T7-67.6
II	DONALD JEFFREY HARRIS	06-T7-147	KKKK	GERALD BISCHOF & ROSETTA J. BISHOF	06-T7-67.7
JJ	DAVID A. SCHMID & E.T. SCHMID	06-T7-146	LLLL	DEEDRA DAVIS	06-T7-67.5
KK	KATHERINE M. PAPADIMITRIOU	06-T7-145	MMMM	RONALD A. ZANDRON & PATRICIA L. ZANDRON	06-T7-67.8
LL	KATHERINE M. FIGARETTI & ANTHONY F. FIGARETTI	06-T7-143.1	NNNN	DALE A. FORESTER & CAROL ANN FORESTER	06-T7-67.9
MM	KATHERINE M. FIGARETTI & ANTHONY F. FIGARETTI	06-T7-143	OOOO	MARIO B. JULIAN & LOIS R. JULIAN	06-T7-67.13
NN	GARY E. LAUDERMILT, SR. & MARY ANN LAUDERMILT	06-T7-142	PPPP	BENJAMIN ELLWOOD & DANIELLE ELLWOOD	06-T7-67.23
OO	PATRICK RYAN SPEAKER & CASEY MARIE HERCULES	06-T7-158	QQQQ	CAYLA J. BLACK & MATTHEW D. BLACK	06-T7-67.10
PP	LYLE HEARN & KIMBERLIE HEARN	06-T7-173	RRRR	FRANCES L. BRADEN 2016 IRREVOCABLE TRUST DATED AUGUST 10, 2016	06-T7-67
QQ	CECELIA BOYD	06-T7-172	SSSS	EARL BRADEN & F.L. BRADEN	10-W56-3
RR	AUGUST J. HANSON & LISA M. HANSON	06-T7-163.20	TTTT	DONALD A. BRADEN & RHONDA L. BRADEN	06-T7-97.1
SS	ROBERT W. GALBREATH & DEBRA J. GALBREATH	06-T7-163.11	UUUU	GLORIA KALB	06-T2-15.3
TT	THOMAS R. MORGAN & ANN Y. MORGAN	06-T7-163.5	VVVV	RICHARD D. BORDER JR.	04-R17-58.5
UU	ROGER L. KENT JR & MELINDA J. KENT	06-T7-163.15	WWWW	REX D. LASURE & N.A. ENDRIZZI	04-R17-58.4
VV	ROGER L. KENT JR & MELINDA J. KENT	06-T7-163.18	XXXX	REX D. LASURE & N.A. ENDRIZZI	04-R17-58.3
WW	TODD FULLERTON	06-T7-163.16	YYYY	JAMES HOHMAN & M. HOHMAN	04-R17-58.2
XX	ROBERT M. TUCKER & REBECCA E. TUCKER	06-T7-163.12	ZZZZ	TIMMY B. MINCH & AMY L. MINCH	04-R17-58.1
YY	GREGORY A. GAUDINO & ANNETTE M. GAUDINO	06-T7-163.13	AAAAA	ROBERT WILLIAM MINCH JR & BARBARA JEAN MINCH	04-R17-57.2
ZZ	BUSAINA KHALIL	06-T7-163.7			
AAA	BUSAINA KHALIL	06-T7-163.6			
BBB	JAMES SIMMS	06-T7-163.17			

REVISIONS:	COMPANY:	 	
	OPERATOR'S	TIMMY MINCH OHI	API #
	WELL #:	6H	47-069-00268
	DISTRICT:	COUNTY:	STATE:
	TRIADPHIA	OHIO	WV
			DATE: 02-28-2019
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2