

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - 069 - 00221 County OHIO District TRIADELPHIA  
Quad WHEELING, WV Pad Name TIMMY MINCH-OHI-PAD1 Field/Pool Name PANHANDLE FIELD WET  
Farm name TIMMY B. MINCH & AMY L. MINCH Well Number TIMMY MINCH OHI 201H  
Operator (as registered with the OOG) SWN PRODUCTION COMPANY, LLC  
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,437,290.450 Easting 530,151.293  
Landing Point of Curve Northing 4,437,177.344 Easting 529,381.418  
Bottom Hole Northing 4,439,822.794 Easting 528,114.825

Elevation (ft) 1208.2' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
SOBM

Date permit issued 07/06/2017 Date drilling commenced 08/04/2018 Date drilling ceased 08/27/2018  
Date completion activities began 01/10/2019 Date completion activities ceased 03/31/2019  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 306' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 619' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 467' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:  
CB 9-9-19

**Reviewed**  
C-AD 9-9-19

API 47-069 - 00221 Farm name TIMMY B. MINCH & AMY L. MINCH Well number TIMMY MINCH OHI 201H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24	20	126'	NEW	J-55/94#		Y
Surface	17.5	13.375	537'	NEW	J-55/54.5#	495.1' / 455.8'	Y
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	1918'	NEW	J-55/36#		Y
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.50	16,683'	NEW	HCP-110/20#		Y
Tubing		2.375	7,032'	NEW	P-110/4.7#		N
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	646	15.60	1.20	775.20	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	718	15.60	1.19	854.42	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3,270	15.60	1.19	3,891.3	SURFACE	24
Tubing							

Drillers TD (ft) 16,683' Loggers TD (ft) 16,683'  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 5,956'

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

SURFACE: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING

INTERMEDIATE: 24 CENTRALIZERS - EVERY THIRD JOINT OF CASING

PRODUCTION: 181 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

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WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS JUN 18 2019

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_ WV Department of Environmental Protection

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_





# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/12/2019
Job End Date:	3/11/2019
State:	West Virginia
County:	Ohio
API Number:	47-069-00221-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Timmy Mirch OH1 201H
Latitude:	40.08535227
Longitude:	-80.64633445
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,029
Total Base Water Volume (gal):	13,930,044
Total Base Non Water Volume:	0

## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier					
			Water	7732-18-5	100.00000	98.03377	
Fresh Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	82.32992	Density = 8.340



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Ingredients	Listed Above	Listed Above							
			Water	7732-18-5	60.00000	0.01060			
			Water	7732-18-5	40.00000	0.03200			
			Water	7732-18-5	85.00000	0.84511			
			Water	7732-18-5	2.00000	0.00015			
			Water	7732-18-5	100.00000	1.57237			
			Water	7732-18-5	50.00000	0.00518			
15% HCl Acid	BJ Services	Acid							
				Listed Below					
FRW-18	BJ Services	Friction Reducer							
				Listed Below					
HYDROCHLORIC ACID	Halliburton	Solvent							
				Listed Below					
Excellerate LX-1	Halliburton	Friction Reducer							
				Listed Below					
SAND-PREMIUM WHITE-4070	Halliburton	Proppant							
				Listed Below					

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FSTI-IC-001	FSTI	Iron Control Agent		Listed Below				
Sand, White	BJ Services	Proppant		Listed Below				
BE-9W	Halliburton	Biocide		Listed Below				
FSTI-CI-01	FSTI	Corrosion Inhibitor		Listed Below				
SAND-COMMON WHITE-100 MESH, SSA-2	Halliburton	Proppant		Listed Below				
FraCare SI 720	BJ Services	Scale Inhibitor		Listed Below				
SCAL16486A	Nalco	Biocide		Listed Below				
Calcium Chloride	BJ Services	Salts		Listed Below				
BIOC11139A	BJ Services	biocide						

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Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.							Listed Below
			Crystalline silica, quartz	14808-60-7	100.00000	16.06533	
			Crystalline Silica (Quartz)	14808-60-7	100.00000	13.81078	
			Hydrochloric acid	7647-01-0	15.00000	0.22766	
			Hydrochloric acid	7647-01-0	15.00000	0.14914	
			Poly (acrylamide-co-acrylic acid) partial sodium salt	62649-23-4	30.00000	0.02400	
			Petroleum Distillates	64742-47-8	30.00000	0.02400	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02350	
			Polyacrylate	Proprietary	30.00000	0.02350	
			Acetic acid	64-19-7	60.00000	0.01608	
			Citric acid	77-92-9	40.00000	0.01072	
			Fatty acid ester	Proprietary	5.00000	0.00783	
			Calcium Chloride	10043-52-4	98.00000	0.00757	
			Methanol	67-56-1	80.00000	0.00600	
			Benzyl-(C12-C16 Alkyl)-Dimethyl-Ammonium Chloride	68424-85-1	30.00000	0.00530	
			Propylene glycol	57-55-6	60.00000	0.00459	
			Sodium Chloride	7647-14-5	5.00000	0.00400	
			9-Octadecenamide, n,n-bis(2(hydroxy-ethyl)-, (Z)	93-83-4	5.00000	0.00392	
			Ethoxylated fatty acid	Proprietary	5.00000	0.00392	Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00392	
			Sodium chloride	7647-14-5	5.00000	0.00392	
			Ammonium chloride	12125-02-9	5.00000	0.00392	
			Castor oil, ethoxylated	61791-12-6	5.00000	0.00364	

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Well Name: Timmy Minch OHI 201H

Attachment 3

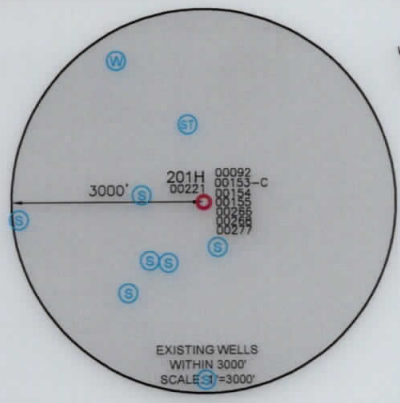
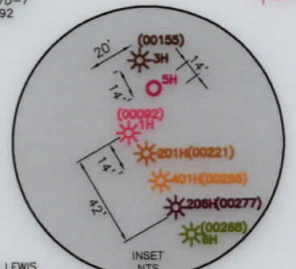
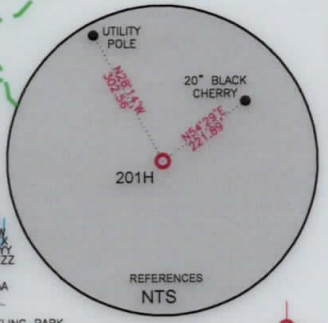
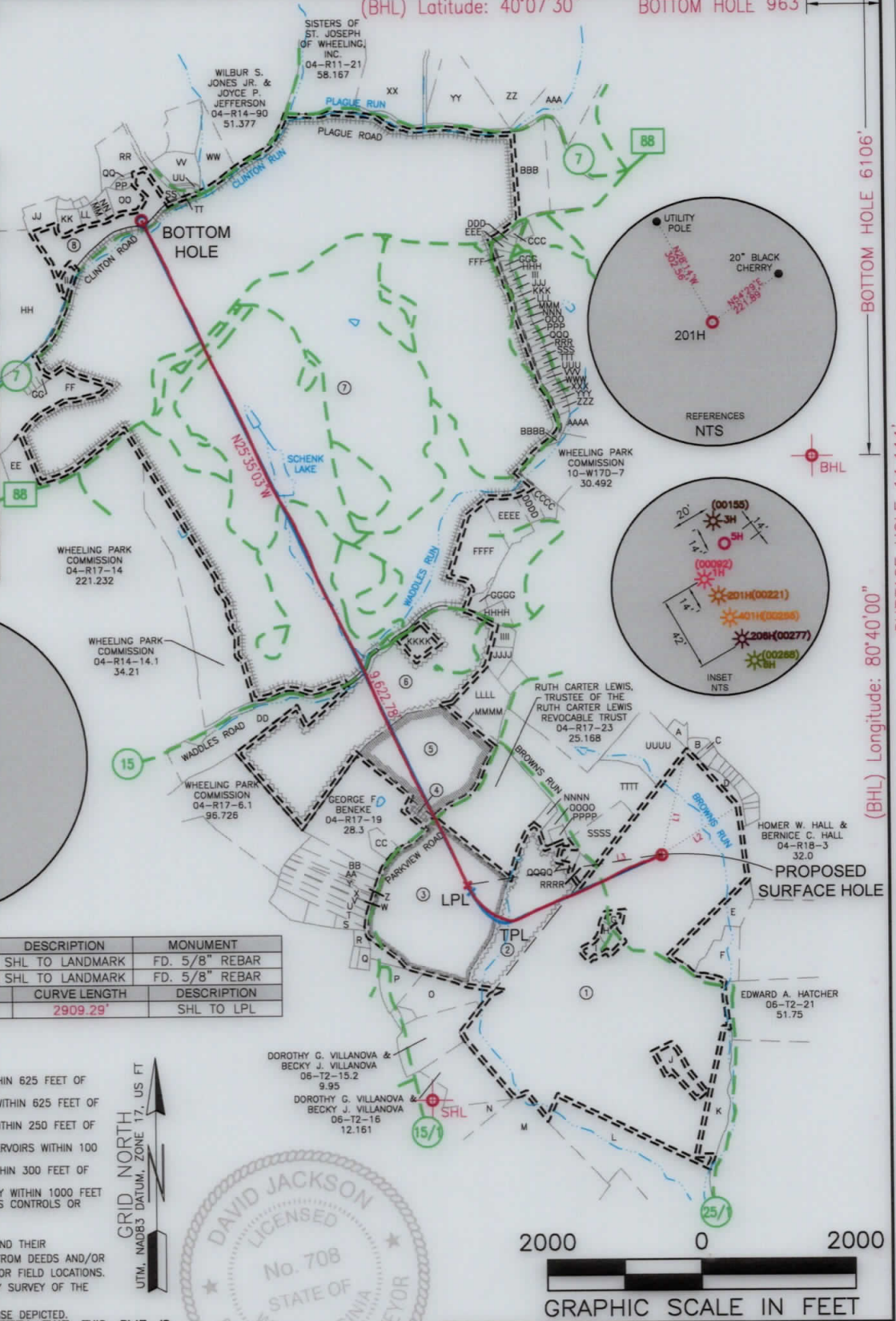
LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	306.00	306.00	
Top of Salt Water	619.00	619.00	NA	NA	
Pittsburgh Coal	467.00	467.00	480.00	480.00	
Pottsville (ss)	634.00	634.00	663.00	663.00	
Raven Cliff (ss)	930.00	930.00	1378.00	1378.00	
Maxton (ss)	1378.00	1378.00	1624.00	1624.00	
Big Injun (ss)	1624.00	1624.00	6206.00	5648.00	
Rhinestreet (shale)	6206.00	5648.00	6451.00	5833.00	
Middlesex (shale)	6451.00	5833.00	6548.00	5901.00	
Burket (shale)	6548.00	5901.00	6575.00	5920.00	
Tully (ls)	6575.00	5920.00	6651.00	5966.00	
Mahantango (shale)	6651.00	5966.00	6848.00	6050.00	
Marcellus (shale)	6848.00	6050.00	NA	NA	GAS



(SHL) Latitude: 40°07'30" SURFACE HOLE 5,966'  
 (BHL) Latitude: 40°07'30" BOTTOM HOLE 963'

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

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,290.478 EASTING: 530,151.197
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,150.514 EASTING: 529,395.432
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,439,816.955 EASTING: 528,117.464
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,290.450 EASTING: 530,151.293
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,177.344 EASTING: 529,381.418
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,439,822.794 EASTING: 528,114.825



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 12°56'45" E	1409.98'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	N 57°22'27" E	1,205.83'	SHL TO LANDMARK	FD. 5/8" REBAR
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 81°38'32" W	2552.94'	2909.29'	SHL TO LPL

**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 J. Jackson*



COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OPERATOR'S WELL #: 201H
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	API WELL #: 47 STATE, 069 COUNTY, 00221 PERMIT

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

WATERSHED: BROWNS RUN OF PETERS RUN OF LITTLE WHEELING CREEK ELEVATION: 1,208.2'

DISTRICT: TRIADDELPHIA 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: 6,087 TVD 16,683 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

<b>LEGEND:</b>	<input checked="" type="checkbox"/> PROPOSED SURFACE HOLE / BOTTOM HOLE <input checked="" type="checkbox"/> EXISTING / PRODUCING WELLHEAD LPL <input checked="" type="checkbox"/> LANDING POINT LOCATION <input checked="" type="checkbox"/> EXISTING WATER WELL <input checked="" type="checkbox"/> EXISTING SPRING	<input checked="" type="checkbox"/> SURVEYED BOUNDARY <input checked="" type="checkbox"/> DRILLING UNIT <input checked="" type="checkbox"/> LEASE BOUNDARY <input checked="" type="checkbox"/> ASDRILLED PATH <input checked="" type="checkbox"/> PROPOSED PATH	<b>REVISIONS:</b>   	<b>DATE:</b> 02-28-2019  <b>DRAWN BY:</b> N. MANO <b>SCALE:</b> 1" = 2000' <b>DRAWING NO:</b> <b>WELL LOCATION PLAT</b>
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**JACKSON SURVEYING  
INC.**

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

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	TIMMY B. MINCH & AMY L. MINCH (S/R)	06-T2-18	254.38
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	CHARLES MONFRADI & DOLORES MONFRADI (S)	04-R17-58	29.84
3	RICHARD P. CARTER (S)	04-R17-23.3	63.27
4	NADA E. BENEKE (S)	04-R17-22	1.83
5	SHANNON FIELDS, L.L.C. (S)	04-R17-23.2	35.07
6	CORNERSTONE FAMILY SERVICES OF WEST VIRGINIA, LLC	04-R17-8	76.978
7	WHEELING PARK COMMISSION (S)	04-R14-15	1067.71
8	ELIAS E. JOSEPH & ELIZABETH A. JOSEPH (S)	04-R14A-53	26.92

ADJOINING OWNERS TABLE				ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES	TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	JON BARRY & JAYMIE BARRY	04-R17D-3	0.91	XX	SISTERS OF ST. JOSEPH OF WHEELING, INC.	04-R11-20	39.269
B	V.J. SOVINSKI & H.G. SOVINSKI	04-R17D-28	0.73	YY	PARKS SYSTEM TRUST FUND OF WHEELING	04-R11-21.3	23.8
C	J.G. DEEDS & M.K. GARRISON	04-R17D-30	0.37	ZZ	WHEELING PARK COMMISSION	04-R14-91	18.0
D	MICHAEL DOUGLAS GATES	04-R17D-1	93.53	AAA	WHEELING PARK COMMISSION	04-R14-20.4	7.368
E	RONALD J. POCKL	06-T2-20.1	4.92	BBB	WHEELING PARK COMMISSION	04-R14-15.2	11.0
F	DIANE C. WOJCHOWSKI	06-T2-20	4.08	CCC	WILLIAM J. HOSFELT & P.K. HOSFELT	10-W12D-2	0.3350
G	SHAWN A. HODGSON & LESLIE G. HODGSON	04-R17-62	0.53	DDD	CHARLES M. RANSOM	10-W12D-1	0.3696
H	DANNY MINCH & GINA MINCH	04-R17-61	1.29	EEE	ROBERT A. GALBRAITH & PATRICIA GALBRAITH	10-W14D-1	0.4885
I	HOWARD L. MINCH & BEVERLY G. MINCH	04-R17-63	0.81	FFF	DOROTHY SATTERFIELD	10-W14D-2	0.4672
J	JUNIPER LODGE, INC.	06-T2-19	2.35	GGG	ROBERT A. TUCKER & R. TUCKER	10-W14D-3	0.3109
K	WILLIAM A. ORUM & CYNTHIA E. ORUM	06-T2-19.1	6.0	HHH	BETTY J. MCKINLEY	10-W14D-4	0.258
L	WILLIAM A. ORUM & CYNTHIA ORUM	06-T7-178	40.0	III	CAROLYN MORTELL	10-W14D-5	0.275
M	WHEELING PARK COMMISSION	06-T7-95	74.405	JJJ	RAYMOND C. GEORGE & E.A. GEORGE	10-W14D-6	0.2868
N	LUANN DANEHART & ARTHUR W. DANEHART, JR.	06-T2-16.2	11.155	KKK	DAVID V. RIGGS & KERRIE L. RIGGS	10-W14D-7	0.3056
O	GLORIA J. KALB	06-T2-15.3	8.425	LLL	TONY A. ROBINSON	10-W14D-8	0.3159
P	GLORIA J. KALB	06-T2-14	3.46	MMM	JASON TREUMAN	10-W14D-9	0.3023
Q	RICHARD P. CARTER & KIM M. CARTER	04-R17-23.1	0.838	NNN	MARTIN M. KUHAR & D.J. KUHAR	10-W14D-10	0.3053
R	SHASHI R. URVAL & MONISH URVAL	06-T2J-1	0.5498	OOO	KURT LATOUR & JUDY C. LATOUR	10-W14D-11	0.3030
S	MATTHEW GOMPERS & VICTORIA GOMPERS	04-R17-10.2	2.0	PPP	PAULA CRAGO PEARCE	10-W14D-12	0.3306
T	HARRY S. FISHER & BARBARA J. FISHER	04-R17-11.1	2.85	QQQ	HENRY R. KUHENS & M.L. KUHENS	10-W14D-13	0.3581
U	HARRY S. FISHER & BARBARA J. FISHER	04-R17-11	2.87	RRR	KATHLEEN SAFCSAK	10-W14D-14	0.3673
V	CARL D. BURKLAND III & JOLIN H. BURKLAND	04-R17-12	2.83	SSS	DAVID D. DOEPKEN & CHRISTINE B. DOEPKEN	10-W14D-15	0.3535
W	CARL D. BURKLAND III & JOLIN H. BURKLAND	04-R17-13.1	0.28	TTT	MICHAEL F. DUPLAGA & MARISSA A. YOHO	10-W14D-16	0.345
X	GUNTHER F. HEMPELMAN & M.E. HEMPELMAN	04-R17-13	1.9235	UUU	CHARLES NEUMAN & B.J. WOTRING	10-W14D-17	0.3444
Y	COLUMBIA GAS TRANSMISSION CORP.	04-R17-15	0.0399	VVV	MARK K. YOUNG & SAMANTHA YOUNG	10-W14D-18	0.3421
Z	GUNTHER F. HEMPELMAN & M.E. HEMPELMAN	04-R17-13	1.9235	WWW	DANIEL S. PETRI & D. PETRI	10-W14D-19	0.366
AA	JEREMY A. SCHREIBER	04-R17-16	2.48	XXX	ROBERT L. WATSON & J.T. WATSON	10-W17D-2	0.352
BB	CRAIG V. OLEARY & EMMA L. OLEARY	04-R17-17	3.49	YYY	STEPHEN L. HANNA & C.H. HANNA	10-W17D-3	0.4231
CC	THOMAS JOHN & MICHELLE JOHN	04-R17-20	1.90	ZZZ	DAVID W. MILLER & PETER J. JUNKERSFELD	10-W17D-4	0.67
DD	GACS, L.P.	10-W27A-01	16.8	AAAA	DAVID W. MILLER & PETER J. JUNKERSFELD	10-W17D-5	0.43
EE	JEFFREY S. SCHULTZ	04-R14-13	4.09	BBBB	JAMES C. MCBANE TRUSTEE	10-W17D-6	0.33
FF	WHEELING PARK COMMISSION	10-W17A-01	17.24	CCCC	SAMUEL J. LAPP II & HEATHER A. LAPP	04-R14-50.1	1.93
GG	JOHN M. PELUCHETTE & C.L. PELUCHETTE	04-R14J-01	0.772	DDDD	KATHLEEN M. GOMPERS	04-R14-50.3	1.772
HH	EDWARD P. POLACK	04-R14-95	56.335	EEEE	KATHLEEN M. GOMPERS	04-R14-50.2	5.371
II	THOMAS E. ALLEN	04-R14E-04	0.4677	FFFF	HARIETTE E. FRIEND & L. EDWARD FRIEND II	04-R14-51	11.31
JJ	FRANK A. DUSCH (LIFE)	04-R14E-01	2.9472	GGGG	EDWARD T. HITCHMAN III & HELEN G. HITCHMAN	04-R14-53	1.30
KK	ELIAS EDW. JOSEPH	04-R14E-05	1.5092	HHHH	EDWARD T. HITCHMAN III & HELEN G. HITCHMAN	04-R14-67	1.75
LL	ELIAS E. JOSEPH - 1999	04-R14E-06	0.9266	IIII	WENDY K. ELSWICK	04-R17-59.1	1.438
MM	ELIAS E. JOSEPH	04-R14E-6.1	0.6401	JJJJ	DONALD R. EDDY & M.M. EDDY	04-R17-59.2	2.295
NN	ELIAS E. JOSEPH	04-R14E-07	1.0216	KKKK	ERIN M. THALMAN	04-R17-8.1	3.237
OO	RICHARD E. THOMPSON & N.A. THOMPSON	04-R14E-08	2.3453	LLLL	JAMES R. MULL	04-R17-24	8.79
PP	RICHARD E. THOMPSON & N.A. THOMPSON	04-R14A-53.3	0.4709	MMMM	EARL P. HUFFNER	04-R17-24.1	1.0
QQ	MARGARET J. AISQUITH	04-R14A-199	0.1268	NNNN	JOAN L. SCHENERLEIN	04-R17-58.5	1.0
RR	ROBERT D. KENNAN & DELILAH L. KENNAN	04-R14A-53.7	6.2365	OOOO	REX D. LASURE & N.A. ENDRIZZI	04-R17-58.4	1.0
SS	JAMES A. SCHMITT	04-R14-4.6	4.75	PPPP	REX D. LASURE & N.A. ENDRIZZI	04-R17-58.3	0.75
TT	JAMES A. SCHMITT	04-R14-4.5	4.752	QQQQ	JAMES HOHMAN & M. HOHMAN	04-R17-58.2	0.75
UU	WHITMAR HILL II HOMEOWNERS ASSOCIATION, INC.	04-R11-2.3	2.33	RRRR	TIMMY B. MINCH & AMY L. MINCH	04-R17-58.1	1.0
VV	JOSEPH M. MELIA & J.M. MELIA	04-R14-6.1	4.68	SSSS	ROBERT WILLIAM MINCH, JR & BARBARA JEAN MINCH	04-R17-57.2	6.29
WW	PAMELA SURE HARROLD C/O GC&P ANIMAL HOSPITAL, INC	04-R14-6	8.93	TTTT	ROBERT WILLIAM MINCH, JR. & HERBERT PAUL MINCH	04-R17-57	31.33
				UUUU	GEORGE O. NUTTING	04-R17-57.1	6.29

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN** <sup>R-V+</sup><sub>A</sub>  
Production Company™

OPERATOR'S TIMMY MINCH OHI

API #

DATE: 02-28-2019

WELL #: 201H

47-069-00221

DRAWN BY: N. MANO

DISTRICT: TRIADLPHIA

COUNTY: OHIO

STATE: WV

SCALE:

DRAWING NO:  
WELL LOCATION PLAT 2