

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



API 47 - 103 - 03143 County WETZEL District PROCTOR
Quad WILEYVILLE 7 1/2 Pad Name BLATT-WTZ-PAD1 Field/Pool Name VICTORY FIELD
Farm name TAMI BLATT, KEVIN L. BLATT (TRUSTEE IRR TRUST), MICHAEL J. BLATT & JANICE BLATT Well Number BLATT WTZ 1H
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 4,396,280.505 Easting 526,727.033
Landing Point of Curve Northing 4,396,328.591 Easting 526,354.293
Bottom Hole Northing 4,397,741.448 Easting 524,841.619

Elevation (ft) 1280' 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 2/3/2016 Date drilling commenced 8/19/2016 Date drilling ceased 9/19/2016
Date completion activities began 12/20/2016 Date completion activities ceased _____
Verbal plugging (Y/N) N Date permission granted N/A Granted by _____

RECEIVED
Office of Oil and Gas
2/16/2017
ARR 2-1-2017
WV Department of
Environmental Protection

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug
Freshwater depth(s) ft 261 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1780 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1112 Cavern(s) encountered (Y/N) depths N

Is coal being mined in area (Y/N)

APPROVED
NAME: [Signature]
DATE: 4-27-17

Reviewed by: [Signature]
06/09/2017

API 47-103 - 03143

Farm name TAMI BLATT, KEVIN L. BLATT (TRUSTEE IRR TRUST), MICHAEL J. BLATT & JANIE Well number **BLATT WTZ 1H**

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	K-55/94#		Y
Surface	17.5	13.375	369	NEW	H-40/48#		Y; 32 BBLs RETURNED
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	2699	NEW	J-55/36#		Y; 50 BBLs RETURNED
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	14500	NEW	P-110/20#		Y
Tubing		2.375	7544	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 ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	150				SURFACE	24
Surface	CLASS A	385	15.6	1.20	462	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	1033	15.60	1.20	1239.6	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	930/1536	15.60/15.60	1.23/1.19	1143.9/1827.84	SURFACE	24
Tubing							

Drillers TD (ft) 14,500' Loggers TD (ft) 14,500'

Deepest formation penetrated MARCELLUS Plug back to (ft) N/A

Plug back procedure _____

Kick off depth (ft) 6267'

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

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

BLATT WTZ 1H

Perf Summary

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD	# SHOTS PER STG
1	12/19/2016	14,362	14,285	42
2	12/20/2016	14,217	14,145	42
3	12/21/2016	14,112	14,008	42
4	12/21/2016	13,972	13,865	42
5	12/21/2016	13,829	13,725	42
6	12/22/2016	13,692	13,585	42
7	12/27/2016	13,552	13,445	42
8	12/27/2016	13,412	13,305	42
9	12/28/2016	13,272	13,165	42
10	12/28/2016	13,132	13,025	42
11	12/28/2016	12,992	12,885	42
12	12/29/2016	12,852	12,745	42
13	12/29/2016	12,712	12,605	42
14	12/30/2016	12,572	12,465	42
15	12/30/2016	12,432	12,325	42
16	12/30/2016	12,289	12,185	42
17	12/31/2016	12,152	12,045	42
18	12/31/2016	12,012	11,905	42
19	12/31/2016	11,872	11,765	42
20	1/1/2017	11,732	11,625	42
21	1/1/2017	11,592	11,487	42
22	1/1/2017	11,452	11,345	42
23	1/2/2017	11,312	11,205	42
24	1/2/2017	11,172	11,065	42
25	1/2/2017	11,032	10,925	42
26	1/3/2017	10,892	10,785	42
27	1/3/2017	10,752	10,645	42
28	1/4/2017	10,612	10,505	42
29	1/4/2017	10,472	10,365	42
30	1/4/2017	10,332	10,225	42
31	1/5/2017	10,192	10,085	42
32	1/5/2017	10,052	9,945	42
33	1/6/2017	9,912	9,805	42
34	1/6/2017	9,772	9,665	42
35	1/7/2017	9,632	9,525	42
36	1/8/2017	9,492	9,385	42
37	1/8/2017	9,352	9,245	42
38	1/8/2017	9,212	9,105	42
39	1/9/2017	9,072	8,965	42
40	1/9/2017	8,932	8,825	42
41	1/9/2017	8,792	8,685	42
42	1/10/2017	8,652	8,545	42
43	1/10/2017	8,512	8,405	42
44	1/12/2017	8,372	8,265	42
45	1/12/2017	8,232	8,125	42
46	1/12/2017	8,092	7,985	42
47	1/12/2017	7,952	7,845	42
48	1/13/2017	7,812	7,705	42
49	1/13/2017	7,672	7,565	32

06/09/2017

BLATT WTZ 1H
Frac Stage Summary

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/other
1	12/19/2016	93	8,602	9,381	4,177	499,340	10,758	
2	12/20/2016	90	8,132	8,669	5,307	495,220	7,879	
3	12/21/2016	97	8,317	8,604	6,015	504,800	7,766	
4	12/21/2016	86	8,120	8,767	5,398	504,500	8,672	
5	12/21/2016	92	8,259	8,881	5,758	501,200	7,468	
6	12/22/2016	85	7,753	8,187	5,387	501,300	7,980	
7	12/27/2016	85	7,565	7,914	5,396	501,000	7,752	
8	12/27/2016	84	7,843	8,364	5,556	500,030	7,440	
9	12/28/2016	89	7,897	8,226	5,520	501,100	7,778	
10	12/28/2016	89	8,056	8,329	5,436	501,210	7,520	
11	12/28/2016	89	8,080	9,060	3,970	481,200	7,691	
12	12/29/2016	87	7,931	8,264	5,459	500,600	7,629	
13	12/29/2016	85	7,641	8,035	5,105	500,000	7,353	
14	12/30/2016	89	7,883	8,217	5,455	496,900	7,564	
15	12/30/2016	88	7,874	8,194	5,130	499,680	7,462	
16	12/30/2016	87	7,652	8,004	5,316	460,950	7,031	
17	12/31/2016	87	7,827	8,002	5,699	499,320	7,543	
18	12/31/2016	86	7,782	8,084	5,546	497,960	7,129	
19	12/31/2016	88	7,733	8,336	5,685	496,220	7,179	
20	1/1/2017	88	7,868	8,141	6,215	499,940	7,870	
21	1/1/2017	87	7,787	8,244	5,785	502,170	7,310	
22	1/1/2017	86	7,780	8,016	5,371	503,150	7,142	
23	1/2/2017	83	7,635	7,849	5,546	500,140	7,576	
24	1/2/2017	86	7,728	8,129	5,658	500,680	7,117	
25	1/2/2017	87	7,605	8,036	5,677	500,060	6,953	
26	1/3/2017	89	7,739	7,942	5,714	501,060	7,473	
27	1/3/2017	89	7,612	7,932	5,524	497,300	7,075	
28	1/4/2017	89	7,548	7,946	5,789	497,680	7,227	
29	1/4/2017	88	7,422	7,971	5,834	498,160	7,149	
30	1/4/2017	89	7,574	7,980	5,688	499,940	6,984	
31	1/5/2017	89	7,330	7,513	5,648	500,940	8,916	
32	1/5/2017	90	7,487	7,754	5,116	509,500	7,644	
33	1/6/2017	89	7,269	7,739	5,386	472,640	6,760	
34	1/6/2017	88	7,471	7,866	5,442	506,720	7,087	
35	1/7/2017	87	7,426	7,632	5,504	509,440	7,176	
36	1/8/2017	88	7,475	7,816	5,435	503,360	7,007	
37	1/8/2017	88	7,648	8,765	5,356	500,640	7,220	
38	1/8/2017	87	7,347	7,859	6,034	508,380	6,970	
39	1/9/2017	90	7,215	7,618	5,708	503,510	6,951	
40	1/9/2017	88	7,387	7,974	5,394	502,600	6,935	
41	1/9/2017	87	7,140	7,470	5,815	499,050	6,806	
42	1/10/2017	88	7,103	7,710	5,593	501,840	6,879	
43	1/10/2017	88	7,472	8,529	5,125	456,900	7,084	
44	1/12/2017	89	7,339	7,832	4,342	504,160	6,895	
45	1/12/2017	90	7,042	7,693	5,339	497,500	6,903	
46	1/12/2017	86	7,238	8,229	5,114	445,100	6,552	
47	1/12/2017	87	7,245	7,842	5,726	502,980	7,131	
48	1/13/2017	88	6,975	7,478	5,507	527,500	6,978	
49	1/13/2017	86	7,099	8,411	4,882	560,540	6,304	

06/09/2017

Well Name:

BLATT WITZ 1H

47103031430000

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	N.A.	N.A.	261.00	260.99	
Top of Salt Water	1780.00	1779.80	N.A.	N.A.	
Pittsburgh Coal	1112.00	1111.94	1112.00	1111.94	
Big Injun (ss)	2353.00	2353.00	2521.74	2521.32	
Berea (siltstone)	2867.00	2867.00	2909.00	2909.00	
Rhinestreet (shale)	6491.49	6424.67	6799.21	6705.41	
Cashaqua (shale)	6799.21	6705.41	6929.02	6810.59	
Middlesex (shale)	6929.02	6810.59	7007.00	6867.22	
Burket (shale)	7057.00	6900.00	7090.78	6920.31	
Tully (ls)	7090.78	6920.31	7135.51	6944.71	
Mahantango (shale)	7135.51	6944.71	7402.88	7035.55	
Marcellus (shale)	7402.88	7035.55	N.A.	N.A.	GAS

06/09/2017

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/18/2016
Job End Date:	1/13/2017
State:	West Virginia
County:	Wetzel
API Number:	47-103-03143-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	WTZ 1H
Latitude:	39.71597500
Longitude:	-80.68817800
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,068
Total Base Water Volume (gal):	15,042,596
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	Southwestern Energy	Carrier/Base Fluid	Water	7732-18-5	100.00000	82.63758	
Sand	U.S. Well Services, LLC	Proppant					
HCL Acid (12.6%-17.5%)	U.S. Well Services, LLC	Bulk Acid	Crystalline Silica, quartz	14808-60-7	100.00000	16.10928	
WFRA-2000	U.S. Well Services, LLC	Friction Reducer	Water Hydrogen Chloride	7732-18-5 7647-01-0	87.40000 17.50000	0.94301 0.21925	
AI-303	U.S. Well Services, LLC	Acid Corrosion Inhibitors	Water 2-Propenoic acid, polymer with 2-propenamide Hydrated light distillate (petroleum)	7732-18-5 29003-06-9 64742-47-8	60.00000 30.00000 30.00000	0.04721 0.02361 0.01936	
			Ethylene glycol Formic acid Cinnamaldehyde	107-21-1 64-18-6 104-55-2	40.00000 20.00000 20.00000	0.00031 0.00011 0.00011	

Latitude: 39°45'00" N

SURFACE HOLE 6,049'

BOTTOM HOLE 12,218'

JACKSON SURVEYING INC.

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

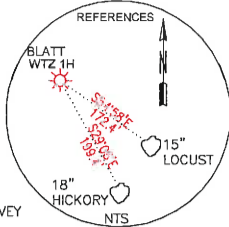


Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains data for lines L1, L2, L3.

NOTES ON SURVEY

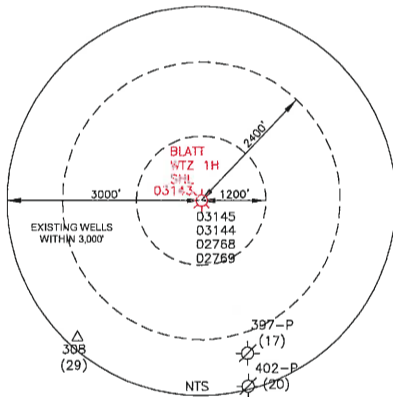
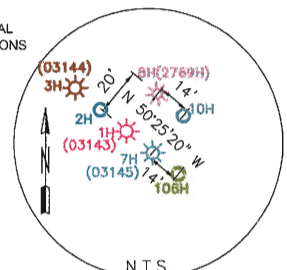
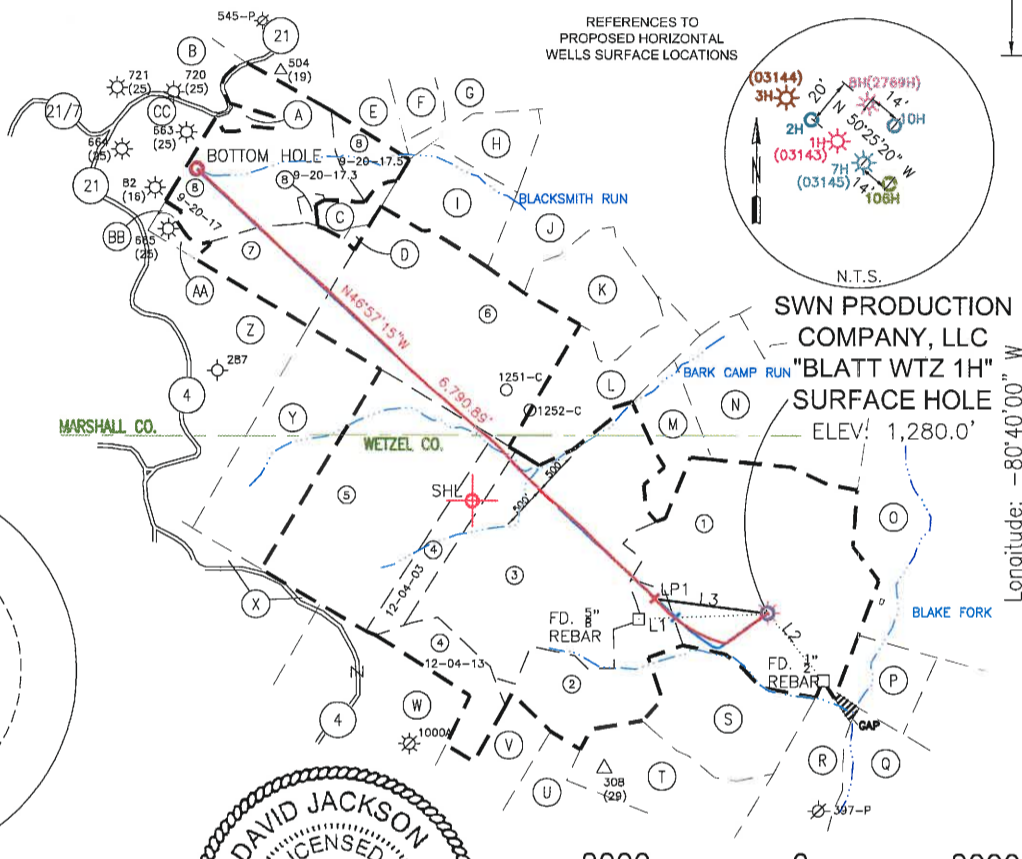
- 1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
8. ALL WELLS WITHIN 500' OF THE HORIZONTAL LEG ARE SHOWN ON THIS PLAT BASED UPON INFORMATION TAKEN FROM DEP MAPPING, WELL PLATS AND AERIAL PHOTOS.

Table with columns: SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates (NORTHING, EASTING).

Table with columns: TRACT, SURFACE OWNER (S)/ROYALTY OWNER (R), TAX PARCEL, ACRES. Lists 8 tracts with owner names and acreage.



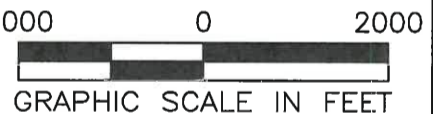
Table with columns: SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates (NORTHING, EASTING).



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

(+) 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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

BLATT WTZ
OPERATOR'S WELL #: 1H
API WELL #: 47 103 03143
STATE COUNTY PERMIT

Form with fields for WELL TYPE, WATERSHED, DISTRICT, COUNTY, SURFACE OWNER, OIL & GAS ROYALTY OWNER, DRILL type, TARGET FORMATION, ESTIMATED DEPTH, etc.

Form with fields for WELL OPERATOR, ADDRESS, CITY, STATE, ZIP CODE, DESIGNATED AGENT, etc.

Form with fields for LEGEND, REVISIONS, DATE, DRAWN BY, SCALE, DRAWING NO, WELL LOCATION PLAT.

**JACKSON SURVEYING
INC.**

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

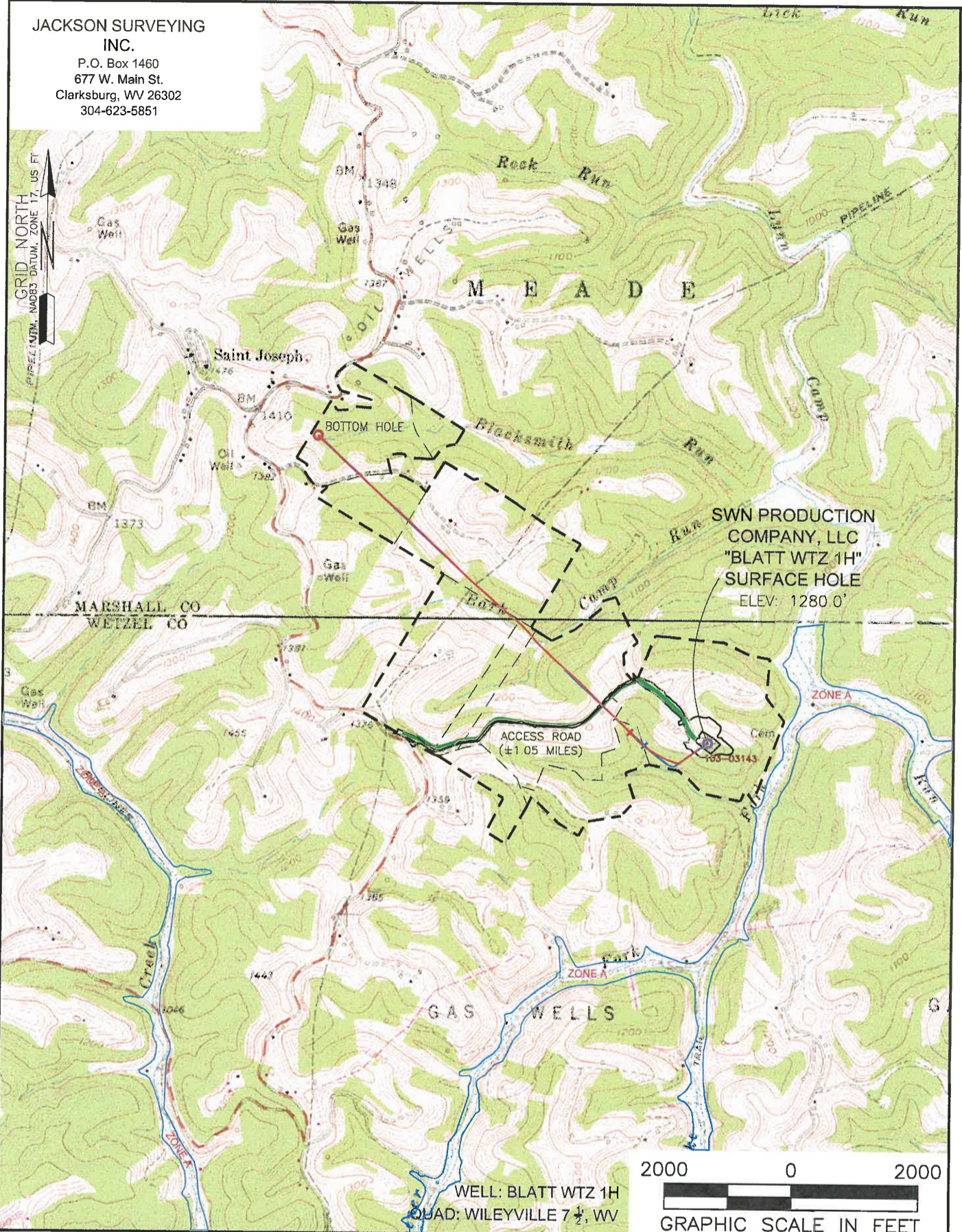
TRACT	ADJOINING SURFACE OWNER (S)	TAX PARCEL	ACRES
A	AGNES & CATHERINE KLUG (S)	09-20-20	1.50
B	DAVID E. STINE ET UX (S)	09-20-21	3.25
C	MICHAEL A. URBANEK (S)	09-20-17.2	5.00
D	MICHAEL A. URBANEK (S)	09-20-17.1	1.00
E	DAVID PAUL WEIGAND (S)	09-20-09	48.13
F	DAVID PAUL WEIGAND (S)	09-20-12.1	41.29
G	MARY JOSEPHINE NICE (S)	09-20-13	85.50
H	DAVID PAUL WEIGAND (S)	09-20-15	16.24
I	ELEANOR T. & JAMES B. MILLER (S)	09-20-16	22.00
J	ROBERT F. VILLERS (S)	09-21-1	111.51
K	KIMBERLY C. HOFFMAN (S)	09-21-1.1	27.29
L	KIMBERLY C. HOFFMAN & PAUL G. FOX (S)	09-21-21	25.00
M	KIMBERLY C. HOFFMAN (S)	12-04-40	30.00
N	ZACHARY M. BLAIR (S)	09-21-20	84.55
O	RHODA C. & CLEO M. SIVERT (S)	12-04-06	101.30
P	RHODA C. & CLEO M. SIVERT (S)	12-04-16	16.75
Q	JAMES L. BITHELL & CHRISTOPHER P. BITHELL (S)	12-04-26	180.53
R	JOSEPH & MINNIE SHIBEN ESTATES. (S)	12-04-25	38.75
S	ANTHONY C. & REBECCA F. BLATT (S)	12-04-15	38.00
T	PAUL G. & CYNTHIA G. FOX (S)	12-04-24	50.00
U	EILEEN KLUG ET AL (S)	12-04-23	76.95
V	EILEEN KLUG ET AL (S)	12-04-22	48.00
W	PATSY L. DULANEY (S)	12-04-12	52.00
X	DELORES ZOMBOTTI (S)	12-03-11.2	4.34
Y	PAUL & CYNTHIA FOX (S)	12-04-01	56.00
Z	ROBERT WILLIAM BONNETTE ET UX (S)	09-22-08	126.53
AA	GLENDA J. MILLER (S)	09-20-18	2.75
BB	HILLARY G. MILLER (S)	09-20-19	1.00
CC	EILEEN J KLUG ET AL (S)	09-20-22	70.24

REVISIONS:	COMPANY:	SWN Production Company, LLC	SWN Production Company™	<i>R- A</i> 06/09/2017
	OPERATOR'S	BLATT WTZ		DATE: 03-22-2017
	WELL #:	1H		DRAWN BY: N. MANO
	LOCATION:	PROCTOR DISTRICT, WETZEL COUNTY, WEST VIRGINIA		SCALE: N/A
				DRAWING NO:
				ADJOINING OWNERS

**JACKSON SURVEYING
INC.**

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

GRID NORTH
NAD83 DATUM, ZONE 17, US FT



SWN PRODUCTION
COMPANY, LLC
"BLATT WTZ 1H"
SURFACE HOLE
ELEV: 1280.0'

WELL: BLATT WTZ 1H
QUAD: WILEYVILLE 7 1/2, WV



NAME AND DISTANCE TO THE NEAREST STREAM: BLAKE FORK IS LOCATED ±0.23 MILES SE OF THE CENTER OF THE DRILL PAD.		STREAM CROSSING COORDINATES (NAD 83): NO NEW CROSSINGS.		COMPANY: SWN Production Company, LLC		SWN ^{R₂} ^{V+} Production Company™	
WELL RESTRICTIONS: WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND: >100 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM: >300 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY: >1000 FEET WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING: >250 FEET CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: >625 FEET CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT: >625 FEET				OPERATOR'S BLATT WTZ		WELL #: 1H	
FEMA FLOOD INFORMATION: BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF WETZEL COUNTY, WEST VIRGINIA; MAP NUMBER 54103C0075 C; EFFECTIVE DATE: SEPTEMBER 25, 2009. NO FEMA MAP AVAILABLE FOR MARSHALL COUNTY SECTION.				LOCATION: PROCTOR DISTRICT, WETZEL COUNTY, WEST VIRGINIA		SURFACE HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 39.715975' LONGITUDE: -80.688178'	
LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ⊗ EXISTING / PRODUCING WELLHEAD ⊗ ABANDONED WELL ⊗ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR				BOTTOM HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 39.729196' LONGITUDE: -80.710119'		DATE: 03-22-2017	
<ul style="list-style-type: none"> ○ EXISTING SPRING ○ EXISTING WATER WELL — ACCESS ROAD — ACCESS ROAD TO PREV. SITE — HIGHWAY/INTERSTATE — COUNTY ROAD 				REVISIONS:		DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: TOPOGRAPHIC MAP	

06/09/2017