

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

API 47-103-03367 County WETZEL District PROCTOR
Quad WILEYVILLE, WV Pad Name WILLIAM RITCHEA-WTZ-PAD1 Field/Pool Name VICTORY FIELD WET
Farm name WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA Well Number WILLIAM RITCHEA WTZ 5H
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 4,391,141.151 Easting 529,231.948
Landing Point of Curve Northing 4,391,313.565 Easting 529,339.448
Bottom Hole Northing 4,393,416.838 Easting 527,076.486

Elevation (ft) 1562.8' 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 1/14/2021 Date drilling commenced 2/26/2021 Date drilling ceased 3/9/2021
Date completion activities began 5/12/2021 Date completion activities ceased 6/11/2021
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A RECEIVED
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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 541' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1,556' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1,492' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed by:
[Signature]
10/01/2021

API 47- 103 - 03367 Farm name WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA Well number WILLIAM RITCHEA WTZ 5H

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	593	NEW	J-55/54.5#		Y; 40 BBLS
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	2,961	NEW	J-55/36#		Y
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	18,318	NEW	P-110/20#		Y; 20 BBLS
Tubing							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	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	615	15.60	1.19	731.85	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	561	15.60	1.18	661.98	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3,143	15.00	1.23	3,865.89	SURFACE	24
Tubing							

Drillers TD (ft) 18,318' Loggers TD (ft) 18,318'
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6,750'

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 _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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10/01/2021

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/12/2021
Job End Date:	6/8/2021
State:	West Virginia
County:	Wetzel
API Number:	47-103-03367-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	WILLIAM RITCHEA WTZ 5
Latitude:	39.66958696
Longitude:	-80.65918130
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,455
Total Base Water Volume (gal):	17,877,686
Total Base Non Water Volume:	0



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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
Base Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	90.33766	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	85.00000	0.45672	

Tolicide PS 50A	SWN Well Services	Biocide					
				Listed Below			
Sand	SWN Well Services	Proppant					
				Listed Below			
SWN FRW-11LC	SWN Well Services	Friction Reducer					
				Listed Below			
HCL	SWN Well Services	Solvent					
				Listed Below			
Ecopol-FEAC	SWN Well Services	Iron Control					
				Listed Below			
Plexaid 655WG	SWN Well Services	Scale Inhibitor					
				Listed Below			
Econo-CI200	SWN Well Services	Corrosion Inhibitor					
				Listed Below			

Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.

			Crystalline Silica, quartz	14808-60-7	100.00000	9.08805	
			Hydrochloric Acid	7647-01-0	15.00000	0.06042	
			Petroleum Distillates, Hydrotreated	64742-47-8	25.00000	0.03797	
			Tetrakis	55566-30-8	55.00000	0.00591	
			Glycerin	56-81-5	50.00000	0.00306	

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			Ammonium Chloride	12125-02-9	2.00000	0.00304
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00228
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00228
			Acetic Acid	64-19-7	37.50000	0.00080
			Diethylenetriamine penta	15827-60-8	10.00000	0.00061
			Methanol	67-56-1	80.00000	0.00049
			Citric Acid	77-92-9	22.50000	0.00048
			Acrylic acid terpolymer	397256-50-7	1.00000	0.00011
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00006
			Fatty acids	61790-12-3	5.02700	0.00003
			Modified thiourea polymer	68527-49-1	4.74600	0.00003
			Potassium acetate	127-08-2	0.02200	0.00000
			Formaldehyde	50-00-0	0.00400	0.00000

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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Well Name: William Ritchea WTZ 5H 47103033670000

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	541.00	541.00	
Top of Salt Water	1556.00	1556.00	NA	NA	
Pittsburgh Coal	1492.00	1492.00	1499.00	1499.00	
Raven Cliff (ss)	1973.00	1973.00	2507.00	2507.00	
Maxton (ss)	2507.00	2507.00	2663.00	2663.00	
Big Injun (ss)	2663.00	2663.00	2907.00	2907.00	
Berea (siltstone)	3296.00	3267.00	3357.00	3327.00	
Rhinestreet (shale)	6989.00	6902.00	7310.00	7204.00	
Cashaqua (shale)	7310.00	7204.00	7460.00	7327.00	
Middlesex (shale)	7460.00	7327.00	7595.00	7419.00	
Burket (shale)	7595.00	7419.00	7644.00	7447.00	
Tully (ls)	7644.00	7447.00	7684.00	7466.00	
Mahantango (shale)	7684.00	7466.00	7968.00	7546.00	
Marcellus (shale)	7968.00	7546.00	NA	NA	GAS

WILLIAM RITCHEA WTZ 5H

ATTACHMENT 1

PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	5/6/2021	18,248	18,159	36
2	5/12/2021	18,125	17,947	36
3	5/13/2021	17,916	17,733	36
4	5/14/2021	17,703	17,525	36
5	5/14/2021	17,495	17,314	36
6	5/15/2021	17,281	17,103	36
7	5/16/2021	17,070	16,892	36
8	5/16/2021	16,859	16,681	36
9	5/16/2021	16,648	16,470	36
10	5/17/2021	16,437	16,259	36
11	5/18/2021	16,226	16,048	36
12	5/19/2021	16,015	15,837	36
13	5/21/2021	15,804	15,626	36
14	5/21/2021	15,593	15,415	36
15	5/22/2021	15,378	15,204	36
16	5/23/2021	15,167	14,990	36
17	5/23/2021	14,960	14,782	36
18	5/25/2021	14,749	14,572	36
19	5/26/2021	14,538	14,361	36
20	5/26/2021	14,327	14,155	36
21	5/26/2021	14,116	13,939	36
22	5/26/2021	13,905	13,728	36
23	5/27/2021	13,694	13,517	36
24	5/27/2021	13,483	13,306	36
25	5/27/2021	13,272	13,095	36
26	5/28/2021	13,062	12,884	24
27	5/28/2021	12,851	12,673	24
28	5/29/2021	12,640	12,462	24
29	5/29/2021	12,429	12,251	24
30	5/30/2021	12,218	12,040	24
31	5/30/2021	12,007	11,829	48
32	5/31/2021	11,796	11,620	24
33	6/1/2021	11,585	11,407	24
34	6/1/2021	11,374	11,196	24
35	6/1/2021	11,163	10,985	24
36	6/2/2021	10,952	10,774	24
37	6/2/2021	10,741	10,563	24
38	6/3/2021	10,530	10,352	24
39	6/3/2021	10,319	10,138	48
40	6/4/2021	10,108	9,930	24
41	6/4/2021	9,897	9,719	24
42	6/4/2021	9,686	9,508	24
43	6/5/2021	9,475	9,297	24
44	6/5/2021	9,264	9,086	24
45	6/6/2021	9,053	8,875	24

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WILLIAM RITCHEA WTZ 5H

ATTACHMENT 1

PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
46	6/6/2021	8,842	8,664	24
47	6/7/2021	8,631	8,453	24
48	6/7/2021	8,420	8,242	24
49	6/8/2021	8,209	8,031	24

WILLIAM RITCHEA Wtz 5H

ATTACHMENT 2

STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
1	5/12/2021	64.6	8,179	6,256	7,132	185,760	5,706	0
2	5/13/2021	90.7	8,616	5,887	4,412	311,540	9,385	0
3	5/14/2021	88	8,960	6,323	4,200	308,050	8,817	0
4	5/14/2021	84.9	8,994	6,460	3,780	304,940	8,712	0
5	5/15/2021	93.3	8,658	6,780	4,403	303,520	8,993	0
6	5/15/2021	92.8	8,658	6,924	5,900	310,610	8,633	0
7	5/16/2021	92.1	8,928	6,611	4,315	312,210	8,757	0
8	5/16/2021	89	8,748	6,406	4,788	312,210	8,413	0
9	5/17/2021	99.3	8,970	6,149	4,655	314,860	8,652	0
10	5/18/2021	91	8,951	6,735	4,421	313,690	8,640	0
11	5/19/2021	99.1	8,859	6,828	4,788	313,620	8,838	0
12	5/20/2021	86.7	8,616	6,120	4,736	310,260	8,640	0
13	5/21/2021	94.9	8,875	6,211	3,987	310,860	8,778	0
14	5/22/2021	93.4	8,813	6,620	4,470	305,500	8,539	0
15	5/23/2021	91	8,299	6,190	4,682	308,490	8,580	0
16	5/23/2021	90.9	8,392	6,086	4,469	305,550	8,757	0
17	5/25/2021	99.1	8,874	5,560	4,604	308,520	8,931	0
18	5/25/2021	96	8,856	5,448	4,651	308,460	8,433	0
19	5/26/2021	97.2	8,835	4,836	4,420	313,960	8,706	0
20	5/26/2021	98.2	8,833	6,146	4,680	311,210	10,413	0
21	5/26/2021	93.9	8,750	6,114	4,782	311,490	8,500	0
22	5/27/2021	99.9	8,116	5,725	4,858	309,120	8,503	0
23	5/27/2021	97.4	9,103	6,518	4,265	312,880	8,559	0
24	5/27/2021	99.4	9,017	6,618	4,471	318,340	8,656	0
25	5/27/2021	91.8	8,327	6,911	4,834	310,660	10,086	0
26	5/28/2021	95.9	9,042	6,339	4,198	303,290	8,176	0
27	5/28/2021	95.7	8,520	5,832	4,431	309,400	8,273	0
28	5/29/2021	98.9	8,710	6,113	4,341	318,340	9,255	0
29	5/30/2021	96.3	8,316	5,754	4,481	310,610	8,937	0
30	5/30/2021	98	8,685	6,366	4,404	308,480	8,335	0
31	5/31/2021	79.9	8,818	6,320	4,670	310,120	14,043	0
32	5/31/2021	67	8,830	6,274	4,629	311,500	9,252	0
33	6/1/2021	87.7	8,469	6,184	4,831	305,410	8,176	0
34	6/1/2021	98.9	8,637	5,836	4,795	315,250	8,571	0
35	6/2/2021	99.8	8,408	5,687	5,034	306,710	8,429	0
36	6/2/2021	91	8,820	6,105	4,118	309,800	8,483	0
37	6/2/2021	97.9	8,281	5,527	4,490	309,300	7,957	0
38	6/3/2021	85.5	8,339	6,122	4,487	312,220	8,596	0
39	6/4/2021	87.1	8,213	6,150	4,656	297,830	10,994	0
40	6/4/2021	95.1	8,520	6,492	4,569	312,840	8,176	0
41	6/4/2021	96.2	8,262	6,275	4,539	306,200	8,272	0
42	6/5/2021	93.2	8,387	6,080	4,594	307,050	7,785	0
43	6/5/2021	100	8,346	5,930	4,624	317,990	8,441	0
44	6/6/2021	98.3	8,220	5,500	4,640	309,370	8,325	0
45	6/6/2021	97.2	8,162	6,472	4,599	314,530	8,270	0
46	6/7/2021	96.7	8,333	6,800	4,426	306,440	8,255	0
47	6/7/2021	93	8,292	7,040	4,780	249,150	7,855	0
48	6/8/2021	97.9	8,283	6,157	4,521	310,550	8,164	0
49	6/8/2021	92.6	8,473	6,838	4,425	309,890	8,786	0

Latitude: 39°42'30"

SURFACE HOLE 9,617'

Latitude: 39°42'30"

BOTTOM HOLE 4,938'

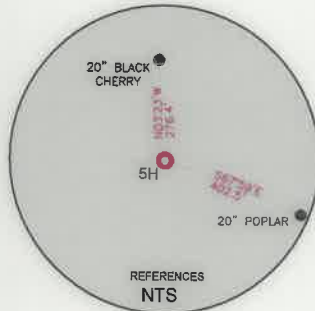
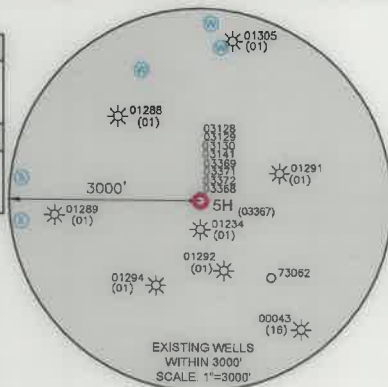
JACKSON SURVEYING INC.

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

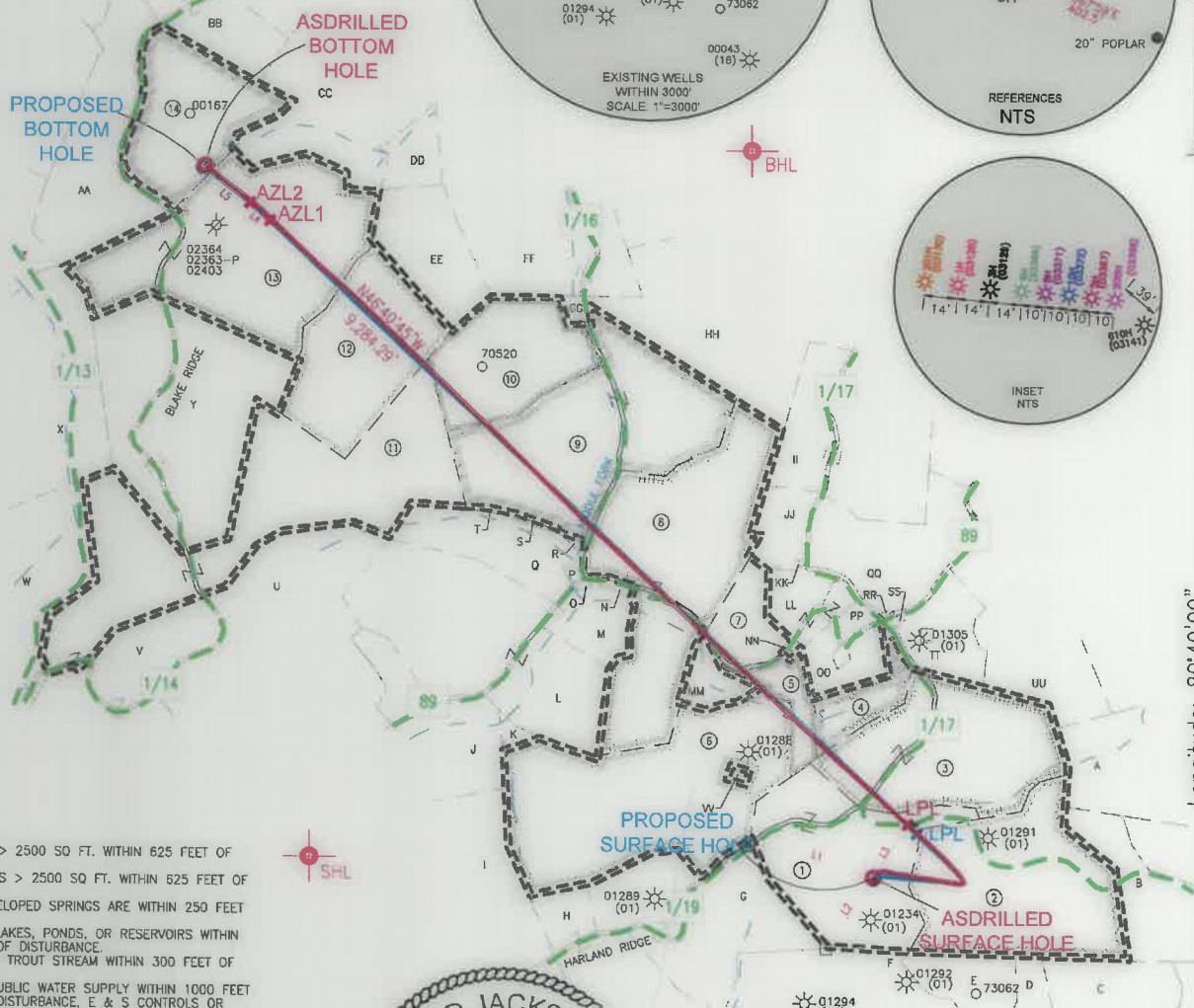
Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains survey data for lines L1, L2, L3, L4 and L5.

Table with columns: SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), AZIMUTH POINT LOCATION (AZL1), UTM (NAD83, ZONE 17, METERS):

Table with columns: AZIMUTH POINT LOCATION (AZL2), BOTTOM HOLE LOCATION (BHL), UTM (NAD83, ZONE 17, METERS):



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



WELL RESTRICTIONS

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

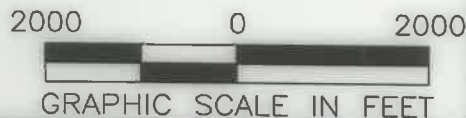
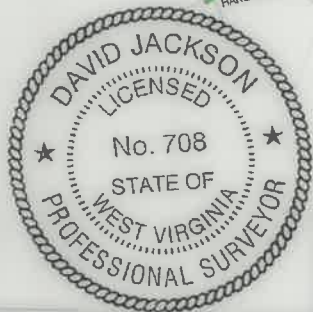
NOTES ON SURVEY

- 1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. 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

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

WILLIAM RITCHEA WTZ
OPERATOR'S WELL #: 5H
API WELL #: 47 103 03367
STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: FISH CREEK (HUC-10) ELEVATION: 1562.8'
DISTRICT: PROCTOR COUNTY: WETZEL QUADRANGLE: WILEYVILLE, WV
SURFACE OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA ACREAGE: ±62.00
OIL & GAS ROYALTY OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA ACREAGE: ±62.00
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: 10/01/2021 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

Table with columns: LEGEND, REVISIONS, DATE. Includes symbols for proposed surface hole, existing wellhead, landing point location, existing water well, existing spring, surveyed boundary, drilling unit, lease boundary, asdrilled path, proposed path, azimuth point location.

**JACKSON SURVEYING
INC.**

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

WELL BORE TRACTS

TRACT	SURFACE OWNER (S) /ROYALTY OWNER (R)	TAX PARCEL
1	William D. Ritchea & Shirley E. Ritchea (S/R)	12-15-21
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	DUELLEY BERNARD LEE ET AL & HALL SUSAN (S)	12-15-22
3	LEMASTERS H C HRS & MANKER CHARLES V REVOCABLE LIVING TRUST (S)	12-15-18
4	RITCHEA GARY A & ALICIA L (S)	12-15-15
5	URBANEK SCOTT J & CHRYSTAL A (S)	12-15-13
6	PITOSCIA WILLIAM R (S)	12-14-16
7	RITCHEA WILLIAM D; RITCHEA SHIRLEY E (S)	12-15-13.2
8	RITCHEA WILLIAM D & SHIRLEY E (S)	12-14-9
9	GODDARD WAYNE (S)	12-9-46
10	WOODSTUFF JOYCE K (S)	12-9-44
11	KEENEY NORMAN E JR & NANCY M (S)	12-9-45
12	BLAKE VERIL JEROME (S)	12-9-40
13	TEEL GAY & DEWEY (S)	12-9-41
14	LOWE MICHAELS (S)	12-9-31.1

ADJOINING OWNERS TABLE

TRACT	Surface owners	TAX PARCEL
A	LEMASTERS DOLLY G EST	12-15-19
B	HEETER HAROLD JR ETAL	12-15-23
C	BROWN SANDY K	12-15-28
D	BROWN SANDY K	12-15-27
E	DUELLEY BERNARD LEE ET AL & HALL SUSAN	12-15-26
F	DUELLEY BERNARD LEE ET AL & HALL SUSAN	12-15-25
G	PITOSCIA WILLIAM R	12-14-27
H	PITOSCIA ANTHONY A & DAVID T	12-14-26
I	RIDGETOP CAPITAL LP	12-14-25
J	LASURE MICHAEL E & VELVA C	12-14-14
K	LASURE MICHAEL E & VELVA C	12-14-15
L	LASURE MICHAEL E & VELVA C	12-14-6
M	HUGGINS WAYNE & SANDRA	12-14-9.1
N	LEMASTERS TONY R & ROBIN M	12-14-9.2
O	HUGGINS WAYNE & SANDRA	12-14-8
P	HUGGINS WAYNE & SANDRA M	12-14-7
Q	HUGGINS WAYNE & SANDRA M	12-9-46.1
R	GODDARD WAYNE	12-9-46.4
S	HUGGINS WAYNE & SANDRA M	12-9-46.2
T	GODDARD WAYNE	12-9-46.3
U	APPALACHIA MIDSTREAM SERVICES LLC	12-14-4.1
V	SWN PRODUCTION COMPANY LLC	12-14-13
W	PENDLEBURY ROBERT C & DENISE M	12-14-3
X	PENDLEBURY ROBERT C & DENISE M	12-9-38
Y	TAYLOR JAMES S	12-9-39
Z	HOHMAN ALBERT & MARY RLT; HOHMAN JOE	12-9-29.2
AA	GREATHOUSE JOHNNY K II & CHELSEA P	12-9-31
BB	STARKEY JOHN S; STARKEY JOHN W	12-9-19
CC	BLAKE VERIL JEROME	12-9-21
DD	BLAKE VERIL JEROME	12-9-32
EE	BLAKE VERIL JEROME	12-9-42
FF	GODDARD WAYNE L	12-9-33
GG	HAESSLY HARDWOOD LUMBER CO	12-10-23
HH	HUGGINS JOSEPH DEAN; HUGGINS BOBBIE SUE	12-10-31
II	HUGGINS JOSEPH DEAN; HUGGINS BOBBIE SUE	12-15-1
JJ	RITCHEA WILLIAM D; RITCHEA SHIRLEY	12-15-1.1
KK	RITCHEA WILLIAM D; RITCHEA SHIRLEY	12-15-2
LL	RITCHEA WILLIAM D; RITCHEA SHIRLEY	12-15-34
MM	URBANEK SCOTT & CHRYSTAL	12-15-13.1
NN	URBANEK SCOTT J & CHRYSTAL A	12-15-3
OO	URBANEK SCOTT J & CHRYSTAL A	12-15-14
PP	STILES MARILYN DIANE; STILES JESSIE GLENN	12-15-14.2
QQ	HAESSLY LAND AND TIMBER LLC	12-15-4
RR	RITHEA JAMES L	12-15-4.1
SS	RITCHEA GARY	12-15-15.1
TT	HAESSLY LAND AND TIMBER LLC	12-15-17
UU	HAESSLY LAND AND TIMBER LLC	12-15-5
VV	LEMASTERS CEMETERY	12-15-20

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,391,141.252
EASTING: 529,231.760

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,391,284.164
EASTING: 529,368.698

AZIMUTH POINT LOCATION (AZL1):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,393,243.096
EASTING: 527,285.380

AZIMUTH POINT LOCATION (AZL2):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,393,298.670
EASTING: 527,220.241

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,393,412.089
EASTING: 527,073.507

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN
Production Company™

10/01/2021

OPERATOR'S

WILLIAM RITCHEA WTZ

API#

DATE: 08-18-2021

WELL #:

5H

47-103-03367

DRAWN BY: N. MANO

DISTRICT:
PROCTOR

COUNTY:
WETZEL

STATE:
WV

SCALE: N/A

DRAWING NO:
WELL LOCATION PLAT 2