

APPROVED

WR-35
Rev. 8/23/13

NAME: Julius

DATE: 11/8/17

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Office of Oil and Gas

SEP 25 2017

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

WV Department of
Environmental Protection

API 47-049-02424 County MARION District PAW PAW
Quad GRANT TOWN, WV Pad Name QUALITY RECLAMATION-MRN-PAD1 Field/Pool Name OSAGE FIELD DRY
Farm name JAMES AND DORTHY ICE, MARJORIE A. KOPP Well Number QUALITY RECLAMATION MRN 210H
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 4,380,741.794 Easting 572,050.099
Landing Point of Curve Northing 4,380,717.410 Easting 572,498.134
Bottom Hole Northing 4,377,884.021 Easting 573,625.893

Elevation (ft) 1224.5' 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 01/13/2017 Date drilling commenced 02/05/2017 Date drilling ceased 04/12/2017
Date completion activities began 05/22/2017 Date completion activities ceased 06/27/2017
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 354' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 608' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 547' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

01/05/2018

API 47-049 - 02424 Farm name JAMES AND DORTHY ICE, MARJORIE A. KOPP Well number QUALITY RECLAMATION MRN 210H

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	591	NEW	J-55/54.5#		Y; 30 BBLs RETURNED
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	3206	NEW	J-55/36#		Y; 70 BBLs RETURNED
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	18587	NEW	HCP-110/20#		Y
Tubing		2.375	8395	NEW	L-80/4.7#		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	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	548	15.60	1.20	657.6	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	1246	15.60	1.18	1470.28	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3160	15.60	1.19	3760.4	SURFACE	24
Tubing							

Drillers TD (ft) 18587' Loggers TD (ft) 18587'
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure _____

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Kick off depth (ft) 7160'

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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 _____

API 47- 049 - 02424 Farm name JAMES AND DORTHY ICE, MARJORIE A. KOPP Well number QUALITY RECLAMATION MRN 210H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>MARCELLUS</u>	<u>7868.81'</u> TVD	<u>8276.49'</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

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Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1742 psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas 1356 mcfpd Oil 0 bpd NGL _____ bpd Water 653 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	<u>0</u>		<u>0</u>		
	<u>SEE</u>	<u>ATTACHMENT</u>	<u>3</u>		

Please insert additional pages as applicable.

Drilling Contractor SWN DRILLING COMPANY
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Logging Company DIVERSIFIED
Address 3602 TX-158 City MIDLAND State TX Zip 79706

Cementing Company BAKER HUGHES
Address 9110 GROGANS MILL RD City THE WOODLANDS State TX Zip 77380

Stimulating Company US WELL SERVICES
Address 770 S POST OAK LN #405 City HOUSTON State TX Zip 77056

Please insert additional pages as applicable.

Completed by DENISE GRANTHAM Telephone 832-796-6139
Signature *Denise Grantham* Title REGULATORY TECHNICIAN Date 9/21/2017

Submission of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

01/05/2018

Well Name: QUALITY RECLAMATION MRN 210H 47049024240000

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.	354.00	354.00	
Top of Salt Water	608.00	608.00	N. A.	N. A.	
Pittsburgh Coal	547.00	547.00	553.00	553.00	
Big Injun (ss)	1866.40	1866.40	2008.10	2003.00	
Berea (siltstone)	2093.20	2093.20	2130.30	2124.23	
Rhinestreet (shale)	N.A.	N.A.	N.A.	N.A.	
Cashaqua (shale)	7345.00	7157.93	7597.94	7396.59	
Middlesex (shale)	7597.94	7396.59	7834.44	7603.27	
Burket (shale)	7834.44	7603.27	7879.46	7639.65	
Tully (ls)	7879.46	7639.65	7941.58	7687.43	
Mahantango (shale)	7941.58	7687.43	8276.49	7868.81	
Marcellus (shale)	8276.49	7868.81	N. A.	N. A.	GAS

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**QUALITY RECLAMATION MRN 210H
PERF SUMMARY**

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STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	5/22/2017	18,313	18,468	42
2	5/23/2017	18,053	18,211	42
3	5/23/2017	17,712	17,897	42
4	5/23/2017	17,441	17,659	42
5	5/23/2017	17,183	17,397	42
6	5/23/2017	16,940	17,130	42
7	5/24/2017	16,686	16,891	42
8	5/24/2017	16,420	16,577	42
9	5/24/2017	16,156	16,347	42
10	5/24/2017	15,898	16,067	42
11	5/25/2017	15,625	15,820	42
12	5/25/2017	15,402	15,579	42
13	5/25/2017	15,154	15,333	42
14	5/25/2017	14,871	15,074	42
15	5/26/2017	14,569	14,781	42
16	5/26/2017	14,313	14,487	42
17	5/26/2017	14,071	14,269	42
18	5/26/2017	13,843	14,032	42
19	5/27/2017	13,563	13,785	42
20	5/27/2017	13,303	13,513	42
21	5/27/2017	13,047	13,240	42
22	5/27/2017	12,821	12,993	42
23	5/28/2017	12,560	12,764	42
24	5/28/2017	12,282	12,511	42
25	5/28/2017	12,032	12,231	42
26	5/28/2017	11,782	11,952	42
27	5/29/2017	11,522	11,663	42
28	5/29/2017	11,221	11,442	42
29	5/29/2017	10,973	11,148	42
30	5/29/2017	10,689	10,917	42
31	5/30/2017	10,430	10,604	42
32	5/30/2017	10,182	10,389	42
33	5/30/2017	9,928	10,128	42
34	5/30/2017	9,653	9,836	42
35	5/31/2017	9,394	9,610	42
36	5/31/2017	9,153	9,324	42
37	5/31/2017	8,908	9,082	42
38	6/1/2017	8,623	8,804	42
39	6/1/2017	8,418	8,577	42

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QUALITY RECLAMATION MRN 210H
FRAC STAGE SUMMARY

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STAGE NUM	Stim Date	Amount of Proppant (lbs)	Amount of water bbls	Max Breakdown Pressure (PSI)	Ave Treatment Pressure (PSI)	ISIP (PSI)	Ave Pump Rate (BPM)	Amount of nitrogen/other
1	5/22/2017	502,700	9,161	8,651	8,471	5,776	86	
2	5/23/2017	503,780	7,868	8,951	8,591	6,663	93	
3	5/23/2017	502,695	7,795	8,769	8,592	6,230	100	
4	5/23/2017	503,440	7,771	8,976	8,725	6,126	100	
5	5/23/2017	499,800	7,927	8,683	8,434	6,180	95	
6	5/23/2017	499,400	7,710	8,372	8,255	6,266	97	
7	5/24/2017	496,920	7,761	8,597	8,410	6,198	100	
8	5/24/2017	495,960	7,745	8,887	8,753	6,008	98	
9	5/24/2017	499,800	7,837	8,887	8,566	6,170	98	
10	5/24/2017	499,600	7,521	8,719	8,442	6,123	97	
11	5/25/2017	495,620	8,290	8,826	8,607	6,505	99	
12	5/25/2017	502,120	7,704	8,998	8,597	6,294	96	
13	5/25/2017	498,220	7,642	8,883	8,489	6,534	98	
14	5/25/2017	500,100	7,414	8,630	8,453	6,359	95	
15	5/26/2017	496,340	7,689	8,526	8,369	5,698	100	
16	5/26/2017	498,380	7,482	8,676	8,514	6,208	100	
17	5/26/2017	497,250	8,678	8,819	8,518	6,094	100	
18	5/26/2017	502,540	7,270	8,751	8,488	6,427	100	
19	5/27/2017	501,090	7,494	8,687	8,572	6,259	99	
20	5/27/2017	499,840	7,452	8,672	8,510	6,273	99	
21	5/27/2017	504,600	7,256	8,916	8,615	6,620	99	
22	5/27/2017	502,260	7,830	8,898	8,623	6,391	97	
23	5/28/2017	502,280	7,365	8,912	8,752	6,773	98	
24	5/28/2017	502,600	7,250	8,851	8,738	6,291	97	
25	5/28/2017	489,360	7,204	8,909	8,539	6,062	99	
26	5/28/2017	502,300	7,930	8,698	8,613	6,816	96	
27	5/29/2017	495,900	7,106	8,744	8,474	6,271	97	
28	5/29/2017	497,960	7,072	8,529	8,394	6,201	100	
29	5/29/2017	501,720	7,195	8,605	8,278	6,137	99	
30	5/29/2017	501,310	7,007	8,662	8,158	6,173	101	
31	5/30/2017	501,420	6,997	8,551	8,033	6,190	100	
32	5/30/2017	502,240	6,987	8,733	8,049	6,416	99	
33	5/30/2017	500,380	7,204	8,590	8,088	6,473	99	
34	5/30/2017	498,760	7,107	8,594	8,142	6,309	100	
35	5/31/2017	504,120	6,850	8,633	8,300	6,326	100	
36	5/31/2017	494,500	6,831	8,748	8,377	6,309	99	
37	5/31/2017	493,000	8,137	8,701	8,371	6,609	99	
38	6/1/2017	496,860	6,751	8,944	8,039	6,187	100	
39	6/1/2017	415,900	6,235	8,354	7,893	5,643	100	

01/05/2018

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/22/2017
Job End Date:	6/1/2017
State:	West Virginia
County:	Marion
API Number:	47-049-02424-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Quality Reclamation MRN 210H
Latitude:	39.57335639
Longitude:	-80.16112634
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,919
Total Base Water Volume (gal):	12,161,575
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	82.87922	
Sand	J.S. Well Services, LLC	Proppant	Crystalline Silica, quartz	14808-60-7	100.00000	15.85478	
HCL Acid (12.6%-17.5%)	J.S. Well Services, LLC	Bulk Acid	Water	7732-18-5	87.40000	0.93418	
			Hydrogen Chloride	7647-01-0	17.50000	0.21720	
WFRA-2000	J.S. Well Services, LLC	Friction Reducer	Water	7732-18-5	60.00000	0.05459	
			2-Propenoic acid, polymer with 2 propenamide	9003-06-9	30.00000	0.02730	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.02238	
OPTI-FLEX	J.S. Well Services, LLC	Friction Reducer	Trade Secret	Proprietary	50.00000	0.00506	
			Distillates, petroleum, hydrotreated light	64742-47-8	50.00000	0.00410	

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AI-303	J.S. Well Services, LLC	Acid Corrosion Inhibitors						
		Ethylene glycol	107-21-1		40.00000		0.00031	
		Cinnamaldehyde	104-55-2		20.00000		0.00011	
		Formic acid	64-18-6		20.00000		0.00011	
		Butyl cellosolve	111-76-2		20.00000		0.00010	
		Polyether	50828-78-6		10.00000		0.00005	
		Acetophenone,thiourea,formaldehyde polymer	68527-49-1		5.00000		0.00003	
AP One	J.S. Well Services, LLC	Gel Breakers						
		Ammonium Persulfate	7727-54-0		100.00000		0.00049	

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

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

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)

Latitude: 39°35'00"

SURFACE HOLE 10,183'

Latitude: 39°35'00"

BOTTOM HOLE 5,101'

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: 4,380,741.729
EASTING: 572,050.144

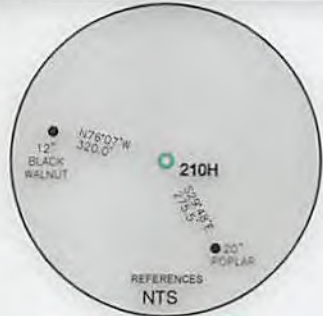
LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,741.120
EASTING: 572,493.793

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,377,883.742
EASTING: 573,625.451

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



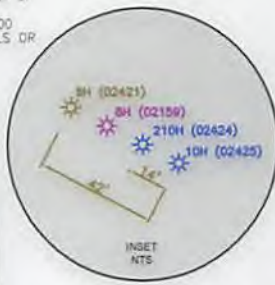
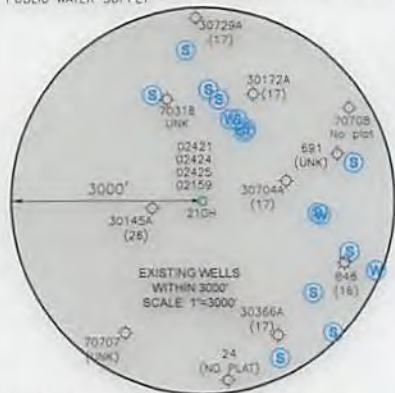
LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 27°27'13" E	1794.40'	SHL TO LANDMARK	CORNER FP FOUND
L2	S 62°27'42" E	853.31'	SHL TO LANDMARK	CORNER FP FOUND

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 86°53'05" E	1,472.11'	2206.38'	SHL TO LP

SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,380,741.794 EASTING: 572,050.099	
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,380,717.410 EASTING: 572,498.134	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,377,884.021 EASTING: 573,625.893	

WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 50 FT WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 50 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*



(+) 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)

COMPANY: **SWN** Production Company, LLC

QUALITY RECLAMATION MRN

OPERATOR'S WELL #: 210H

API WELL #: 47 049 02424

STATE COUNTY PERMIT

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

WATERSHED: ARNETT RUN OF MONONGAHELA RIVER ELEVATION: 1,224.5'

DISTRICT: PAW PAW COUNTY: MARION QUADRANGLE: GRANT TOWN WV

SURFACE OWNER: QUALITY RECLAMATION SERVICES, LLC ACREAGE: ±226.071

OIL & GAS ROYALTY OWNER: JAMES AND DORTHY ICE, MARJORIE A. KOPP ACREAGE: ±226.071

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: 7,919' TVD 18,567' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378



LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	09-08-2017
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	FILE NO:
LPL* LANDING POINT LOCATION	— LEASE BOUNDARY	DRAWN BY: N. MANO
⊙ EXISTING WATER WELL	— ASDRILLED PATH	SCALE: 1" = 2000'
⊙ EXISTING SPRING	— PROPOSED PATH	DRAWING NO:
		WELL LOCATION PLAT

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	QUALITY RECLAMATION SERVICES, LLC (S)	16-23-03	226.071
	JAMES W. ICE & DOROTHY ICE, MARJORIE A. KOPP (R)		
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	MICHEAL L. CLELLAND & LISA M. CLELLAND (S)	16-23-06	20.32
3	CHARLES T. BRAGG (S)	16-23-05	26.5855
4	JOSHUA A. CORWIN & COURTNEY A. CORWIN (S)	16-23-5.2	1.02
5	DOUGLAS P. ICE & DONNA E. ICE (S)	16-23-5.1	2.00
6	W.V. D.O.T. D.O.H.	(CR 25/5)	0.6617
7	CHARLES T. BRAGG (S)	16-27-27	17.60
8	CHARLES T. BRAGG (S)	16-27-28	20.00
9	CHARLES T. BRAGG (S)	16-27-29	15.79
10	CHARLES T. BRAGG (S)	16-27-22	4.07
11	LILY A. PARKER (S)	16-27-20	37.25
12	LILY ANN PARKER (S)	16-27-19	40.25
13	LILY ANN PARKER (S)	16-27-18	49.65
14	JAMES P. EDDY (S)	16-27-13	25.00
15	LILY ANN PARKER (S)	16-27-12	43.93
16	LILY ANN PARKER (S)	16-27-11	23.125
17	LILY ANN PARKER (S)	16-27-10	16.50
18	BRADLEY S. LINVILLE (S)	16-27-08.1	33.92

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	JOHN F. JR. & BARBARA S. HAWKINBERRY	16-23-08.1	8.85
B	THOMAS W. & STANIS F. MARTIN	16-25-17	0.83
C	THOMAS W. & STANIS F. MARTIN	16-25-20	45.00
D	CHARLES G. MURRAY	16-25-19	9.89
E	RODNEY R. & NELLIE J. MARTIN	16-27-26.1	2.33
F	RODNEY R. MARTIN	16-27-26	1.0
G	RUSSELL & PAULINE MCGLONE	16-23-4	2.0
H	RODNEY R. MARTIN	16-27-26.2	2.5
I	LILY A. PARKER	16-27-22.1	0.41
J	ALBERTA L. SHUMAN	16-27-22.2	0.23
K	NOUMEN CORP.	16-27-21	2.5
L	KATHY GOWER	16-27-17.1	2.15
M	KEVIN D. & SHIRLEY D. ROBBINS	16-27-17	9.47
N	JAMES P. EDDY	16-27-14	0.11
O	JAMES P. EDDY	16-27-13.1	0.26
P	MICHAEL L. DUKICH	16-27-09.3	1.09
Q	MICHAEL L. DUKICH	16-27-09.4	1.02
R	ROBERT W. & MARLENE M. MORRIS	16-27-9.1	1.02
S	JERFFREY L. & ANNE C. AMMONS	16-27-9.5	1.19
T	JOSEPH P. & CORA J. AMMONS	16-27-9.6	1.30
U	ALBERT L. OR RUTH A. REED	16-27-9	2.20
V	RANDY E. & ROBIN D. FISHER	16-27-9.2	0.76
W	RICHARD C. & SUSAN J. KEENER	16-27-8.2	1.29
X	ALBERT C. MORRIS & TAMMY J. MORRIS	16-27-8.4	0.883
Y	VIRGINIA M. & RUSSEL F. WEEKLEY	16-27-7.4	0.54
Z	MICHAEL D. WEEKLEY	16-27-7.2	0.900
AA	STEPHEN F. WEEKLEY	16-27-7.1	0.34
BB	RODERICK D. & VA. M. WEEKLEY	16-27-7	0.24
CC	HELEN WEEKLEY	16-27-7.3	0.15
DD	RANDY W. CUNNINGHAM & KAREN A. CUNNINGHAM	16-27-6.1	0.88
EE	GLEN L. & DEBRA L. CLUTTER	16-27-05	1.21
FF	SHEILA G. VISHNICK	16-27-01	2.00

01/05/2018

REVISIONS:	COMPANY:	 	
	OPERATOR'S	QUALITY RECLAMATION MRN	
	WELL #:	210H	
	DISTRICT:	COUNTY:	STATE:
	PAW PAW	MARION	WV
			DATE: 09-08-2017
			FILE NO:
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2