

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

API 47 - 033 - 05903 County Harrison District Simpson
Quad Brownton Pad Name Pritt South Field/Pool Name _____
Farm name Ira and Laura Pritt Well Number 211
Operator (as registered with the OOG) Arsenal Resources
Address 6031 Wallace Rd Ext, Ste 3000 City Wexford State PA Zip 15090

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4344250.7 Easting 570189.8
Landing Point of Curve Northing 4344332.0 Easting 569774.8
Bottom Hole Northing 4346265.6 Easting 569078.7

Elevation (ft) 1352.00' 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)
Synthetic Oil Based

Date permit issued 11/15/2017 Date drilling commenced 1/04/2019 Date drilling ceased 4/08/2019
Date completion activities began 4/17/2019 Date completion activities ceased 7/5/19
Verbal plugging (Y/N) N Date permission granted NA Granted by NA

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

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Freshwater depth(s) ft 176', 225', 240', 310', 380' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1400' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 483', 590', 651', 710', 775', 842', 861' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed

Reviewed by: JEL

11/12/2021

SDW
1/14/2020

API 47-033 - 05903

Farm name Ira and Laura Pritt

Well number 211

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	28"	24"	80'	New	41.0	118'	Y
Surface	17 1/2"	13 3/8"	442' GL	New	54.5	NA	Y
Coal	NA	NA	NA	NA	NA	NA	N
Intermediate 1	12 1/4"	9 5/8"	1,533' GL	New	40.0	NA	Y
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	8 1/2"	5 1/2"	15,399' GL	New	20.0	NA	N
Tubing	NA	NA	NA	NA	NA	NA	NA
Packer type and depth set		NA					

Comment Details Cement to surface on Conductor, Surface, and Intermediate. Top of production cement at 1000'(GL)ft.

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	A	450	15.60	1.20	540	Surface	8+
Surface	A	484	15.60	1.19	576	Surface	8+
Coal	NA	NA	NA	NA	NA	NA	NA
Intermediate 1	A	513	15.60	1.19	610	Surface	8+
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	A	882/1,646	13.80/15.00	1.57/1.30	1,358/2,153	1,000' (GL)	8+
Tubing	NA	NA	NA	NA	NA	NA	NA

Drillers TD (ft) 15,406'(GL)

Loggers TD (ft) NA

Deepest formation penetrated Marcellus

Plug back to (ft) NA

Plug back procedure NA

Kick off depth (ft) 6,441'(GL)

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 24"- No centralizers, 13 3/8"- one bow spring centralizer on every other joint, 9 5/8"- one semi rigid centralizer on every joint from TD of casing to end of curve. Then every other joint to KOP. Every third joint from KOP to 1,400'; there will be no centralizers from 1,400' to surface

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS 35 Stages and 1,400 perforations

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS NA

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

11/12/2021

Perforation Record					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations (s)
35	5/17/2019 6:24	8,402.00	8,564.00	40	Marcellus Shale
34	5/17/2019 0:13	8,602.00	8,764.00	40	Marcellus Shale
33	5/16/2019 18:10	8,802.00	8,964.00	40	Marcellus Shale
32	5/16/2019 9:17	9,002.00	9,164.00	40	Marcellus Shale
31	5/15/2019 21:53	9,202.00	9,364.00	40	Marcellus Shale
30	5/15/2019 12:52	9,402.00	9,564.00	40	Marcellus Shale
29	5/15/2019 0:25	9,602.00	9,764.00	40	Marcellus Shale
28	5/14/2019 12:51	9,802.00	9,964.00	40	Marcellus Shale
27	5/14/2019 2:07	10,002.00	10,164.00	40	Marcellus Shale
26	5/13/2019 13:43	10,202.00	10,364.00	40	Marcellus Shale
25	5/12/2019 20:00	10,402.00	10,564.00	40	Marcellus Shale
24	5/11/2019 23:30	10,602.00	10,764.00	40	Marcellus Shale
23	5/11/2019 12:30	10,802.00	10,964.00	40	Marcellus Shale
22	5/10/2019 23:45	11,002.00	11,164.00	40	Marcellus Shale
21	5/10/2019 12:00	11,202.00	11,364.00	40	Marcellus Shale
20	5/9/2019 23:00	11,402.00	11,564.00	40	Marcellus Shale
19	5/9/2019 14:30	11,602.00	11,764.00	40	Marcellus Shale
18	5/9/2019 3:45	11,802.00	11,964.00	40	Marcellus Shale
17	5/8/2019 15:45	12,002.00	12,164.00	40	Marcellus Shale
16	5/8/2019 5:15	12,202.00	12,364.00	40	Marcellus Shale
15	5/7/2019 17:00	12,402.00	12,564.00	40	Marcellus Shale
14	5/7/2019 6:00	12,602.00	12,764.00	40	Marcellus Shale
13	5/6/2019 12:30	12,802.00	12,962.00	40	Marcellus Shale
12	5/6/2019 1:15	13,002.00	13,164.00	40	Marcellus Shale
11	5/5/2019 14:30	13,202.00	13,364.00	40	Marcellus Shale
10	5/5/2019 2:45	13,402.00	13,564.00	40	Marcellus Shale
9	5/4/2019 15:30	13,602.00	13,764.00	40	Marcellus Shale
8	5/4/2019 6:00	13,802.00	13,964.00	40	Marcellus Shale
7	5/3/2019 17:00	14,002.00	14,164.00	40	Marcellus Shale
6	5/3/2019 6:00	14,202.00	14,364.00	40	Marcellus Shale
5	5/2/2019 17:00	14,402.00	14,564.00	40	Marcellus Shale
4	5/2/2019 1:30	14,602.00	14,764.00	40	Marcellus Shale
3	5/1/2019 13:30	14,802.00	14,964.00	40	Marcellus Shale
2	5/1/2019 4:00	15,002.00	15,164.00	40	Marcellus Shale
1	4/26/2019 4:00	15,202.00	15,361.00	40	Marcellus Shale

REGULATORY
Office of Oil and Gas

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WV Dept. of Environmental Protection

11/12/2021

STIMULATION INFORMATION PER STAGE								
Stage No.	Stimulation Date	Avg Pump Rate (BPM)	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (psi)	Amount of Proppant(lb)	Amount of Water (bbls)	Amount of Nitrogen/ Other (units)
1	4/30/2019	71.60	8,180.00		4,855.00	449,440.00	9,937.00	NA
2	5/1/2019	73.10	8,111.00	7,427.00	6,065.00	499,580.00	9,506.00	NA
3	5/1/2019	77.40	8,209.00	6,058.00	5,350.00	500,740.00	9,089.00	NA
4	5/2/2019	80.60	8,140.00	6,379.00	4,682.00	501,200.00	9,370.00	NA
5	5/3/2019	77.60	8,226.00	5,365.00	5,805.00	381,960.00	9,935.00	NA
6	5/3/2019	80.20	7,930.00	6,415.00	5,932.00	479,880.00	9,350.00	NA
7	5/4/2019	70.90	8,267.00	7,080.00	4,806.00	383,468.00	9,308.00	NA
8	5/4/2019	79.60	7,861.00	6,676.00	6,005.00	502,140.00	9,227.00	NA
9	5/5/2019	79.60	8,000.00	7,221.00	5,664.00	500,655.00	9,708.00	NA
10	5/5/2019	78.40	8,093.00	6,401.00	5,887.00	411,340.00	10,119.00	NA
11	5/5/2019	79.50	8,034.00	7,300.00	5,677.00	500,960.00	9,604.00	NA
12	5/6/2019	75.90	8,099.00	6,935.00	5,837.00	505,980.00	9,662.00	NA
13	5/7/2019	75.20	8,247.00	7,062.00	5,882.00	404,700.00	9,867.00	NA
14	5/7/2019	77.30	7,945.00	7,055.00	5,878.00	499,060.00	9,123.00	NA
15	5/8/2019	79.30	8,077.00	7,590.00	5,648.00	481,060.00	9,992.00	NA
16	5/8/2019	79.60	8,068.00	6,760.00	5,886.00	496,860.00	9,085.00	NA
17	5/9/2019	73.00	8,153.00	6,280.00	5,996.00	332,390.00	9,852.00	NA
18	5/9/2019	70.90	8,014.00	6,622.00	5,484.00	321,180.00	8,658.00	NA
19	5/9/2019	80.10	7,893.00	7,106.00	5,993.00	392,760.00	9,756.00	NA
20	5/10/2019	80.70	7,873.00	7,019.00	4,936.00	480,580.00	9,750.00	NA
21	5/10/2019	81.70	7,856.00	7,088.00	5,144.00	505,250.00	9,934.00	NA
22	5/11/2019	78.70	8,090.00	7,331.00	5,902.00	404,180.00	10,033.00	NA
23	5/11/2019	80.00	8,061.00	6,932.00	6,037.00	464,880.00	9,931.00	NA
24	5/12/2019	77.90	8,111.00	7,116.00	5,979.00	401,160.00	9,882.00	NA
25	5/12/2019	73.20	8,165.00	7,122.00	6,172.00	356,780.00	9,918.00	NA
26	5/13/2019	71.30	8,444.00	7,202.00	6,017.00	325,240.00	9,853.00	NA
27	5/14/2019	74.40	8,314.00	7,502.00	5,784.00	320,080.00	9,928.00	NA
28	5/14/2019	79.80	8,076.00	7,304.00	6,009.00	452,980.00	10,054.00	NA
29	5/15/2019	81.10	7,938.00	6,704.00	6,067.00	503,760.00	8,745.00	NA
30	5/15/2019	80.40	7,868.00	7,046.00	6,115.00	497,340.00	9,477.00	NA
31	5/15/2019	82.90	8,115.00	8,347.00	6,034.00	494,800.00	8,718.00	NA
32	5/16/2019	80.60	7,787.00	7,661.00	6,710.00	500,420.00	8,768.00	NA
33	5/16/2019	79.30	7,900.00	7,396.00	7,084.00	480,000.00	9,283.00	NA
34	5/17/2019	75.80	8,137.00	7,111.00	6,222.00	461,350.00	9,833.00	NA
35	5/17/2019	79.90	8,007.00	7,869.00	5,394.00	501,080.00	9,160.00	NA

Approved
Office of Oil and Gas

POT - 4 2019

West Virginia Department of
Environmental Protection

11/12/2021

API 47- 033 - 05903 Farm name Ira and Laura Pritt Well number 211

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
Marcellus Shale	7,751'	TVD	15,430' 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 _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

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

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
Sand/Silt	0	483	0	484	Freshwater @ 176', 225', 240', 310', 380'
Sand/Silt/Coal	483	651	484	654	Bakerstown Coal @ 483' TVD, Brush Creek Coal @ 590'TVD
Sand/Silt/Coal	651	775	654	780	Upper Freeport @ 651' TVD, Lower Freeport @ 710' TVD
Sand/Silt/Coal	775	1542	780	1570	Upper Kittanning @ 775' TVD, Middle Kittanning @ 842' TVD, Lower Kittanning @ 861' TVD, Saltwater @ 1,400'
Big Lime	1542	1712	1570	1746	Limestone
Balltown	3136	3182	3280	3332	Sandstone
Elk Siltstone	4885	4933	5200	5248	Siltstone
Burkett	7429	7448	7713	7751	Shale
Tully	7448	7497	7751	7838	Limestone
Mahantango	7497	7665	7838	8234	Shale
Marcellus	7665	7733	8234	8524	Shale
Purcell	7733	7737	8524	8552	Limestone
Lower Marcellus	7737	7759	8552	15430	Shale - Gas shows through lateral
Onondaga	7759*				*Onondaga not penetrated - top estimated based on 4700103013 thickness

Please insert additional pages as applicable.

Drilling Contractor Helmerich & Payne
Address 1437 South Boulder Ave. City Tulsa State OK Zip 74119

Logging Company NA
Address _____ City _____ State _____ Zip _____

Cementing Company Schlumberger Technology Corp
Address PO Box 732149 City Dallas State TX Zip 75373-2149

Stimulating Company BJ Services
Address 88 Heckmans Gap Rd. City Mill Hall State PA Zip 17751

Please insert additional pages as applicable.

Completed by Arsenal Resources Telephone 724-940-1204
Signature [Signature] Title Permitting Manager Date 10-2-19

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

11/12/2021

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/1/2019
Job End Date:	5/17/2019
State:	West Virginia
County:	Harrison
API Number:	47-033-05903-00-00
Operator Name:	Arsenal Resources
Well Name and Number:	Pritt South 211
Latitude:	39.24473400
Longitude:	-80.18661300
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,583
Total Base Water Volume (gal):	14,339,514
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	87.86733	
Sand, White	BJ Services	Proppant		Listed Below			



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Other Chemical (s)	BJ Services	See Trade Name (s) List							
			Water	7732-18-5	95.00000	0.50605			
HCl, 5.1 - 7.5%	BJ Services	Acidizing							
				Listed Below					
ThinFrac FRW-03C	BJ Services	Friction Reducer							
				Listed Below					
FracCare SI-01	BJ Services	Scale Inhibitor							
				Listed Below					
BIOC11139A	BJ Services	Biocide							
				Listed Below					
ResCare IC 300L	BJ Services	Iron Control							
				Listed Below					
CI-14	BJ 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	11.53417			
			Hydrochloric Acid	7647-01-0	7.50000	0.03624			
			Petroleum Distillates	64742-47-8	25.00000	0.02220			
			Quaternized Acrylate Polymer	35429-19-7	25.00000	0.02220			

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			Benzyl-(C12-C16 Alkyl)- Dimethyl-Ammonium Chloride	68424-85-1	30.00000	0.00235	
			Sodium chloride	7647-14-5	2.50000	0.00222	
			Surfactant blend	68439-45-2	2.50000	0.00222	
			Citric Acid	77-92-9	60.00000	0.00197	
			Glutaraldehyde	111-30-8	10.00000	0.00078	
			Methanol	67-56-1	100.00000	0.00076	
			Organo phosphorus salt	Trade Secret	5.00000	0.00068	
			Ethanol	64-17-5	5.00000	0.00039	
			Polyoxyalkylenes	68951-67-7	30.00000	0.00023	
			Fatty Acids	61790-12-3	10.00000	0.00008	
			Modified Thiourea Polymer	68527-49-1	7.00000	0.00005	
			Olefin	64743-02-8	5.00000	0.00004	
			Propargyl Alcohol	107-19-7	5.00000	0.00004	
			Formaldehyde	50-00-0	1.00000	0.00001	

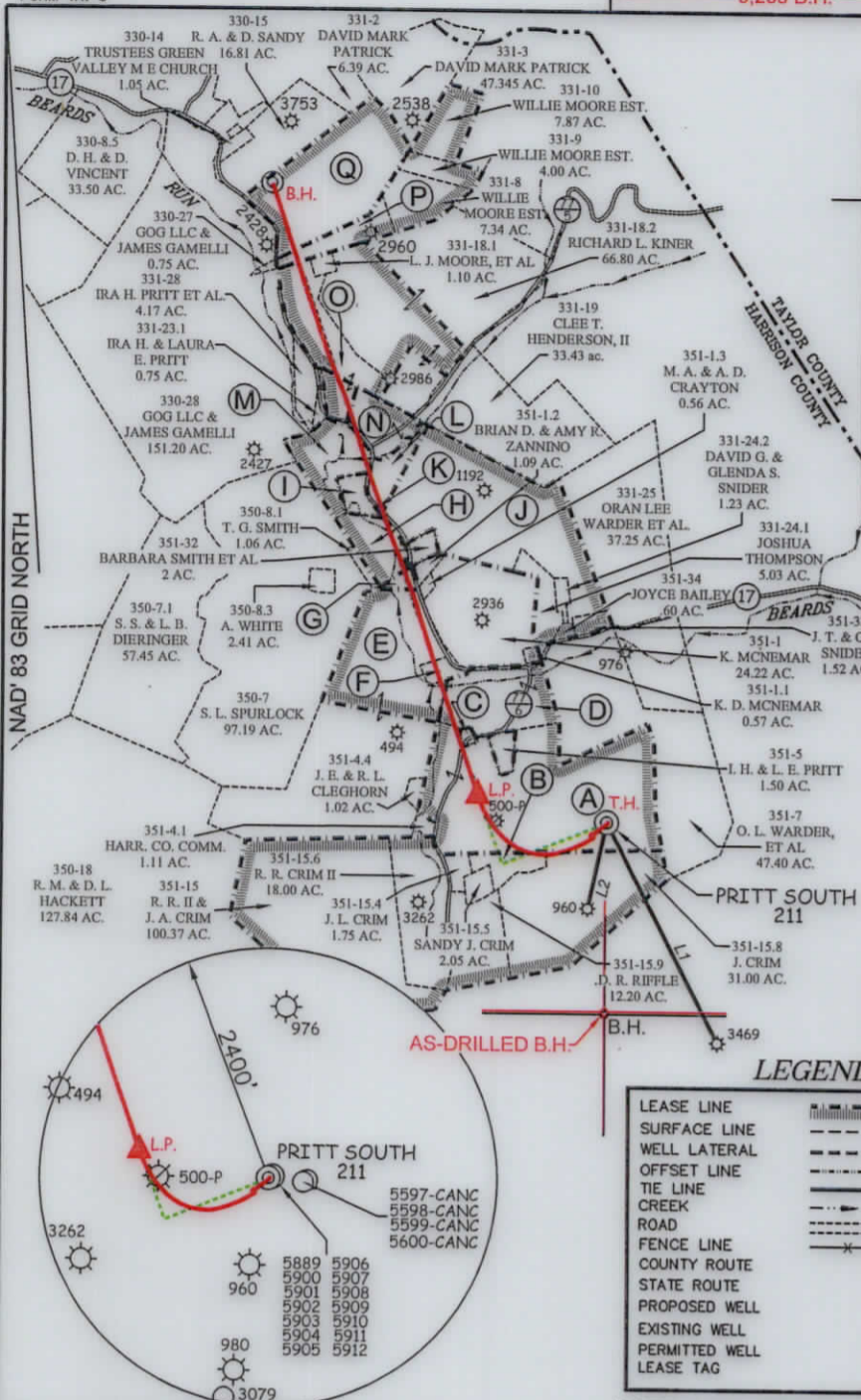
* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** 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)



**ARSENAL RESOURCES
PRITT SOUTH 211**

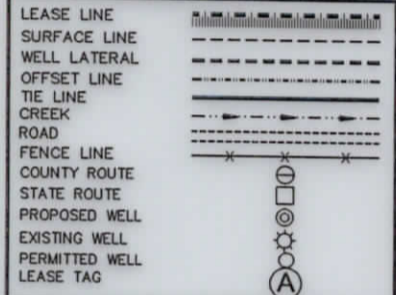
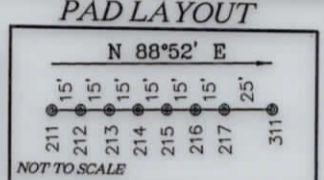
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 271,995.6 E. 1,774,043.0
 NAD'83 GEO. LAT-(N) 39.244734 LONG-(W) 80.186613
 NAD'83 UTM (M) N. 4,344,250.7 E. 570,189.8
LANDING POINT
 NAD'83 S.P.C.(FT) N. 272,156.8 E. 1,772,741.5
 NAD'83 GEO. LAT-(N) 39.245149 LONG-(W) 80.191213
 NAD'83 UTM (M) N. 4,344,293.2 E. 569,792.4
BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 278,629.6 E. 1,770,513.1
 NAD'83 GEO. LAT-(N) 39.262872 LONG-(W) 80.199259
 NAD'83 UTM (M) N. 4,346,254.0 E. 569,080.7

T.H. LONGITUDE 80°10'00"
B.H. LONGITUDE 80°10'00"

TAG	SURFACE OWNER	TAX MAP / PCL	ACREAGE
A	IRA H. & LAURA E. PRITT	351-4	69.09±
B	JULIA L. CRIM	351-15.3	4.19±
C	IRA H. & LAURA E. PRITT	351-3	0.72±
D	IRA H. & LAURA E. PRITT	351-2	18.749±
E	CAROLYN S. CLEGHORN	351-4.2	85.80±
F	ROBERT J. CLEGHORN & DONNA J. STEGEMANN	351-4.5	1.78±
G	SCOTT CHENOWETH	351-4.3	1.29±
H	WILLIAM C. III & MICHELLE D. SPURLOCK	331-23.3	7.77±
I	WILLIAM C. III & MICHELLE D. SPURLOCK	331-23.5	2.79±
J	JOHN T. & CYNTHIA R. SNIDER	331-24	48.14±
K	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	ORAL LAKE ROAD	N/A
L	EDWARD L. & ERICA L. ABRAHAM	331-23.4	4.61±
M	SARAH L. SPURLOCK	331-23.6	10.88±
N	GARY A. & PATTY L. WELLS	331-23	7.02±
O	OWEN B. MARK	331-18	16.62±
P	WILLIE & GOLDIE MOORE ESTATE	331-13	4.69±
Q	D. M. PATRICK	331-7	31.13±

PRITT SOUTH 211 WELL TIES

LINE	BEARING	DISTANCE
L1	S 26°58' E	2575.59'
L2	S 12°00' W	928.32'
L3	S 68°04' W	1179.73'
L4	N 19°00' W	636.5'



AS DRILLED COORDINATES FOR WELL NO. 211

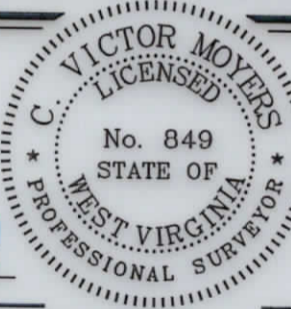
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT) N. 271,995.6 E. 1,774,043.0
 NAD'83 GEO.(DD) LAT-(N) 39.244734 LONG-(W) 80.186613
 NAD'83 GEO.(DMS) LAT-(N) 39°14'41.0" LONG-(W) 80°11'11.8"
 NAD'83 UTM (M) N. 4,344,250.7 E. 570,189.8
LANDING POINT
 NAD'83 S.P.C.(FT) N. 272,285.0 E. 1,772,685.9
 NAD'83 GEO.(DD) LAT-(N) 39.245500 LONG-(W) 80.191413
 NAD'83 GEO.(DMS) LAT-(N) 39°14'43.8" LONG-(W) 80°11'29.1"
 NAD'83 UTM (M) N. 4,344,332.0 E. 569,774.8
BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 278,667.8 E. 1,770,507.0
 NAD'83 GEO.(DD) LAT-(N) 39.262977 LONG-(W) 80.199282
 NAD'83 GEO.(DMS) LAT-(N) 39°15'46.7" LONG-(W) 80°11'57.4"
 NAD'83 UTM (M) N. 4,346,265.6 E. 569,078.7

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
2. WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'
3. AS-DRILLED DATA PROVIDED BY ARSENAL RESOURCES.

SLS
Land & Energy Development
Solutions from the ground up.
P.O. Box 150 • 12 Vanhorn Drive • Glenview, WV 26351 • (304) 462-5634
www.slsww.com



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE AUGUST 2, 20 19
 REVISED _____
 OPERATORS WELL NO. PRITT SOUTH 211
 API WELL NO. 47-033-05903
 STATE COUNTY PERMIT

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.
 P.S. C. Victor Moyers
 849

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8383AD211.dwg
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

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

LOCATION:
 ELEVATION EXISTING: 1,352.00' / PROPOSED: 1,354.80' WATERSHED BEARDS RUN & PIGTAIL RUN
 DISTRICT SIMPSON COUNTY HARRISON QUADRANGLE BROWNTON 7.5'
 SURFACE OWNER IRA & LAURA PRITT ACREAGE 69.096±
 ROYALTY OWNER IRA & LAURA PRITT ET AL ACREAGE 92.06± **11/12/2021**
PROPOSED WORK:
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH 15,058.9' TMD / 7,676' TVD

WELL OPERATOR ARSENAL RESOURCES **DESIGNATED AGENT** WILLIAM VEIGEL
ADDRESS 6031 WALLACE RD. EXT. SUITE 300 **ADDRESS** 65 PROFESSIONAL PLACE
 WEXFORD, PA 15090 BRIDGEPORT, WV 26330

COUNTY NAME
 PERMIT

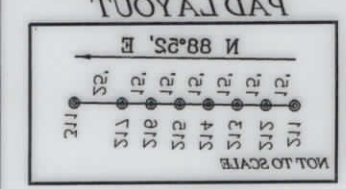
B.H. LATITUDE 39°17'30"
T.H. LATITUDE 39°15'00"

PRITT SOUTH 211

(S.P.C. NORTH ZONE) (UTM) (ZONE 17 NORTH)

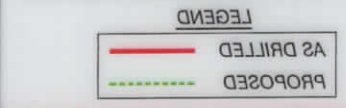
LAND 83 S.P.C. (FT)	N 271,989.8	E 1,774,043.0
LAND 83 GEO. (D)	LAT-(N) 39°24'47.3"	LONG-(W) 80°18'08.1"
LAND 83 UTM (M)	N 4,344,250.7	E 570,189.8
LANDING POINT		
LAND 83 S.P.C. (FT)	N 272,158.8	E 1,775,741.5
LAND 83 GEO. (D)	LAT-(N) 39°24'47.3"	LONG-(W) 80°18'08.1"
LAND 83 UTM (M)	N 4,344,250.7	E 570,189.8
BOTTOM HOLE		
LAND 83 S.P.C. (FT)	N 278,659.8	E 1,770,513.1
LAND 83 GEO. (D)	LAT-(N) 39°25'28.7"	LONG-(W) 80°18'08.1"
LAND 83 UTM (M)	N 4,346,254.0	E 569,080.7

TAG	SURFACE OWNER	TAX MAP P.C.L.	ACREAGE
A	IRA H. & LAURA E. PRITT	321-4	69.09±
B	JULIA L. CRIM	321-12.3	4.10±
C	IRA H. & LAURA E. PRITT	321-3	0.75±
D	IRA H. & LAURA E. PRITT	321-2	18.79±
E	CAROLYN S. CLEGHORN	321-4.2	82.80±
F	ROBERT J. CLEGHORN & DONNA J. STEBEMANN	321-4.2	1.78±
G	SCOTT CHENOWETH	321-4.2	1.20±
H	WILLIAM C. III & MICHELLE D. SPURLOCK	321-23.3	7.75±
I	WILLIAM C. III & MICHELLE D. SPURLOCK	321-23.2	2.29±
J	JOHN T. & CYNTHIA R. SPURLOCK	321-24	48.14±
K	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	ORAL LAKE ROAD	N/A
L	EDWARD J. & ERICA L. ABRAHAM	321-23.4	4.01±
M	SARAH L. SPURLOCK	321-23.6	10.88±
N	GARY A. & PATTY L. WELLS	321-23	7.05±
O	OWEN B. MARK	321-18	16.65±
P	WILLIE & GOLDIE MOORE ESTATE	321-13	4.69±
Q	D. M. PATRICK	321-2	31.13±



WELL TIES

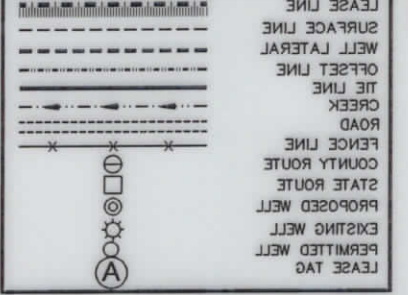
LINE	BEARING	DISTANCE
L1	S 28°28' E	252.88
L2	S 12°00' W	928.35
L3	S 88°04' W	1129.73
L4	N 18°00' W	698.5



AS DRILLED COORDINATES FOR WELL NO. 211

(S.P.C. NORTH ZONE) (UTM) (ZONE 17 NORTH)

LAND 83 S.P.C. (FT)	N 271,989.8	E 1,774,043.0
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NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR WELLS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOP MARK SCALE IS 1"=2000'.
- AS-DRILLED DATA PROVIDED BY ARSENAL RESOURCES.

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL NO. **47** - **033** - **05903**

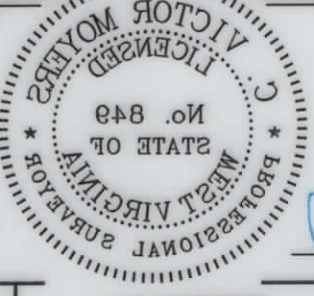
STATE **47** COUNTY **033**

OPERATORS WELL NO. **PRITT SOUTH 211**

DATE **AUGUST 2** 20 **19**

REVISIONS

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.



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P.S. 849

Victor Moyers

DESIGNATED AGENT **WILLIAM VEIGEL**

ADDRESS **66 PROFESSIONAL PLACE BRIDGEPORT, WV 26330**

PHYSICAL CHANGE IN WELL (SPECIFY) **MARCELLUS**

FORMATION **PERFORM NEW FORMATION** **PLUG AND ABANDON** **REDRILL** **FRACURE OR STIMULATE** **PLUG OFF OLD**

PROPOSED WORK: **DRILL** **CONVERT** **DRILL DEEPER** **PLUG AND ABANDON** **OTHER**

SURFACE OWNER **IRA & LAURA PRITT ET AL**

DISTRICT **SIMPSON**

COUNTY **HARRISON**

QUADRANGLE **BROWNTON T.S.**

ELEVATION **EXISTING: 1,382.00' | PROPOSED: 1,384.80'**

LOCATION: **WELL TYPE: OIL** **GAS** **INJECTION** **DISPOSAL** **"GAS" PRODUCTION** **STORAGE** **DEEP** **SHALLOW**

CONTROL DETERMINED BY **DGPS (SURVEY GRADE TIE TO CORS NETWORK)**

HORIZONTAL & VERTICAL SCALE **1" = 2000'**

FILE NO. **8383AD21.qwg**

MINIMUM DEGREE OF ACCURACY **1/2500**

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL OPERATOR **ARSENAL RESOURCES**

ADDRESS **6031 WALLACE RD. EXT. SUITE 300 WEXFORD, PA 15090**