

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

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Office of Oil and Gas  
OCT - 4 2019  
WV Department of  
Environmental Protection

API 47-033-05905 County Harrison District Simpson  
Quad Brownton Pad Name Pritt South Field/Pool Name \_\_\_\_\_  
Farm name Ira and Laura Pritt Well Number 212  
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 4344250.9 Easting 570194.4  
Landing Point of Curve Northing 4344446.3 Easting 570032.2  
Bottom Hole Northing 4346449.6 Easting 569307.6

Elevation (ft) 1352.60' 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 1/06/2019 Date drilling ceased 3/30/2019  
Date completion activities began 4/15/2019 Date completion activities ceased 7/5/2019  
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

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**

*SDW*  
*1/14/2020*

Reviewed by:

*[Signature]*

API 47- 033 - 05905

Farm name Ira and Laura Pritt

Well number 212

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"	1,539' 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"	15,354' GL	New	20.0	NA	Y
Tubing	NA	NA	NA	NA	NA	NA	NA
Packer type and depth set		NA					

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Comment Details Cement to surface on Conductor, Surface, and Intermediate. Top of production cement at 403'(GL)ft.

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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	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	865/1,656	13.80/15.00	1.57/1.30	1,358/2,153	403' (GL)	8+
Tubing	NA	NA	NA	NA	NA	NA	NA

Drillers TD (ft) 15,358'(GL)

Loggers TD (ft) NA

Deepest formation penetrated Marcellus

Plug back to (ft) NA

Plug back procedure NA

Kick off depth (ft) 6,853'(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 36 Stages, 1,440 perforations.

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

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



Perforation Record					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations (s)
36	5/17/2019	8,136.00	8,298.00	40	Marcellus Shale
35	5/16/2019	8,336.00	8,498.00	40	Marcellus Shale
34	5/16/2019	8,536.00	8,698.00	40	Marcellus Shale
33	5/16/2019	8,736.00	8,898.00	40	Marcellus Shale
32	5/15/2019	8,936.00	9,098.00	40	Marcellus Shale
31	5/15/2019	9,136.00	9,298.00	40	Marcellus Shale
30	5/14/2019	9,336.00	9,498.00	40	Marcellus Shale
29	5/14/2019	9,536.00	9,698.00	40	Marcellus Shale
28	5/14/2019	9,736.00	9,898.00	40	Marcellus Shale
27	5/13/2019	9,936.00	10,098.00	40	Marcellus Shale
26	5/12/2019	10,136.00	10,298.00	40	Marcellus Shale
25	5/12/2019	10,336.00	10,498.00	40	Marcellus Shale
24	5/11/2019	10,536.00	10,698.00	40	Marcellus Shale
23	5/11/2019	10,736.00	10,898.00	40	Marcellus Shale
22	5/10/2019	10,936.00	11,098.00	40	Marcellus Shale
21	5/10/2019	11,136.00	11,298.00	40	Marcellus Shale
20	5/9/2019	11,336.00	11,498.00	40	Marcellus Shale
19	5/9/2019	11,536.00	11,698.00	40	Marcellus Shale
18	5/9/2019	11,736.00	11,898.00	40	Marcellus Shale
17	5/8/2019	11,936.00	12,098.00	40	Marcellus Shale
16	5/7/2019	12,136.00	12,298.00	40	Marcellus Shale
15	5/7/2019	12,336.00	12,498.00	40	Marcellus Shale
14	5/6/2019	12,536.00	12,698.00	40	Marcellus Shale
13	5/6/2019	12,736.00	12,898.00	40	Marcellus Shale
12	5/5/2019	12,936.00	13,098.00	40	Marcellus Shale
11	5/5/2019	13,136.00	13,298.00	40	Marcellus Shale
10	5/5/2019	13,336.00	13,498.00	40	Marcellus Shale
9	5/4/2019	13,536.00	13,698.00	40	Marcellus Shale
8	5/4/2019	13,736.00	13,898.00	40	Marcellus Shale
7	5/3/2019	13,936.00	14,098.00	40	Marcellus Shale
6	5/3/2019	14,136.00	14,298.00	40	Marcellus Shale
5	5/2/2019	14,336.00	14,498.00	40	Marcellus Shale
4	5/1/2019	14,536.00	14,698.00	40	Marcellus Shale
3	5/1/2019	14,736.00	14,898.00	40	Marcellus Shale
2	4/30/2019	14,936.00	15,098.00	40	Marcellus Shale
1	4/26/2019	15,136.00	15,295.00	40	Marcellus Shale

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STIMULATION INFORMATION PER STAGE								
Stage No.	Stimulations 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	72.40	8,334			201,860	9,764	NA
2	5/1/2019	76.80	8,317	6,326	4,985	362,740	9,987	NA
3	5/1/2019	76.90	8,427	6,956	5,042	499,940	9,565	NA
4	5/2/2019	66.00	8,188	6,324	5,669	356,900	9,938	NA
5	5/2/2019	76.10	8,100	6,352	5,728	361,420	8,974	NA
6	5/3/2019	75.30	8,055	6,716	6,165	382,300	9,998	NA
7	5/3/2019	75.90	8,135	7,691	6,254	500,920	9,943	NA
8	5/4/2019	74.80	7,974	7,437	6,176	501,880	9,386	NA
9	5/4/2019	78.00	8,037	6,782	5,650	500,900	9,392	NA
10	5/5/2019	79.60	7,823	7,040	5,723	502,820	9,340	NA
11	5/5/2019	79.40	7,862	7,104	4,765	504,640	9,080	NA
12	5/6/2019	79.80	7,850	6,751	6,081	502,740	9,034	NA
13	5/6/2019	79.30	8,001	7,083	5,626	498,060	9,321	NA
14	5/7/2019	80.30	7,976	6,529	6,209	501,660	9,065	NA
15	5/7/2019	75.80	8,215	7,760	4,709	410,540	9,182	NA
16	5/8/2019	74.30	8,077	7,383	6,475	321,920	9,967	NA
17	5/8/2019	78.50	8,217	7,627	5,422	298,700	9,265	NA
18	5/9/2019	75.60	8,142	7,710	5,675	289,812	9,117	NA
19	5/9/2019	74.20	8,349	7,340	5,953	378,740	9,981	NA
20	5/10/2019	81.10	8,013	7,543	5,902	446,160	9,902	NA
21	5/10/2019	80.90	8,013	7,942	5,127	506,350	9,887	NA
22	5/10/2019	79.80	7,763	7,468	5,017	495,700	9,854	NA
23	5/11/2019	81.20	7,793	7,086	5,931	471,580	9,313	NA
24	5/12/2019	80.30	7,600	8,407	5,135	502,960	9,394	NA
25	5/12/2019	79.80	7,921	7,528	6,243	505,480	9,689	NA
26	5/13/2019	80.20	7,952	7,371	5,697	456,560	9,984	NA
27	5/13/2019	79.10	7,799	7,026	5,930	471,240	9,922	NA
28	5/14/2019	80.00	7,744	8,201	6,278	500,520	8,734	NA
29	5/14/2019	80.90	7,666	7,883	6,046	502,400	9,374	NA
30	5/15/2019	77.80	7,815	7,042	5,576	389,360	9,985	NA
31	5/15/2019	80.30	7,334	7,315	5,917	500,840	8,899	NA
32	5/16/2019	80.50	7,393	7,418	5,763	500,120	9,333	NA
33	5/16/2019	73.10	7,330	7,400	4,244	501,420	9,146	NA
34	5/16/2019	80.10	7,268	6,798	4,771	490,300	9,016	NA
35	5/17/2019	79.90	7,215	7,657	4,673	504,280	9,088	NA
36	5/17/2019	79.80	7,246	7,382	4,737	502,200	9,045	NA

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API 47- 033 - 05905 Farm name Ira and Laura Pritt Well number 212

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
Marcellus Shale	7,761'	TVD	15,385' MD
_____	_____	_____	_____
_____	_____	_____	_____

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

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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 <sub>2</sub> S, ETC)
Sand/Silt	0	483	0	483	Freshwater @ 176', 225', 240', 310', 380'
Sand/Silt/Coal	483	651	483	652	Bakerstown Coal @ 483' TVD, Brush Creek Coal @ 590'TVD
Sand/Silt/Coal	651	775	652	776	Upper Freeport @ 651' TVD, Lower Freeport @ 710' TVD
Sand/Silt/Coal	775	1542	776	1556	Upper Kittanning @ 775' TVD, Middle Kittanning @ 842' TVD, Lower Kittanning @ 861' TVD, Saltwater @ 1,400'
Big Lime	1542	1712	1556	1717	Limestone
Balltown	3136	3182	3152	3202	Sandstone
Elk Siltstone	4885	4933	4901	4949	Siltstone
Burkett	7433	7456	7494	7525	Shale
Tully	7456	7506	7525	7598	Limestone
Mahantango	7506	7669	7598	7940	Shale
Marcellus	7669	7733	7940	8211	Shale
Purcell	7733	7736	8211	8235	Limestone
Lower Marcellus	7736	7758	8235	15385	Shale - Gas shows through lateral
Onondaga	7758*				*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

WR-36  
Rev. 5/08

Date: 7/16/19  
Operators Well Number: Pritt South 212  
API Well No: 47-033 - 05905

**State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas**

Well Operator's Report of  
Initial Gas-Oil Ratio

Well Operator Arsenal Resources LLC  
Address 6031 Wallace Road Ext. Suite 300  
Wexford, PA 15090

Designated Agent William Veigel  
Address 65 Professional Place, Suite 200  
Bridgeport, WV 26330

Geological Target Formation: Marcellus Depth 7940 feet  
Perforation Interval 8136' - 15,295' feet

Guidelines for testing:

1. A minimum of gas vented or flared.
2. A 24 hour pre-flow into pipelines or tanks.
3. Uniform producing rate during the 24 hour test per test period.
4. Measurement standards as for Form WR-39, "Report of Annual Production" (see 35CSR4-15)
5. Separate Form WR-36 for each producing formation in a multiple completion.

**TEST DATA**

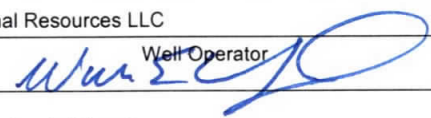
Start of Test Date <b>7/4/19</b>		Time <b>7:00 AM</b>		End of Test Date <b>7/5/19</b>		Time <b>7:00 AM</b>		Duration of Test <b>24 Hrs</b>	
Tubing Pressure <b>NA</b>		Casing Pressure <b>1100</b>		Separator Pressure <b>856</b>		Separator Temperature <b>93</b>			
Oil Production During Test <b>0</b>		Gas Production During Test <b>8496</b>		Water Production During Test <b>504</b>		-Salinity <b>53,926</b>			
Oil Gravity <b>NA</b>		API		Producing Method (flowing, pumping, gas lift etc.) <b>Flowing</b>					

**GAS PRODUCTION**

Measurement Method Flange Tap <input checked="" type="checkbox"/> Pipe Tap <input type="checkbox"/> L-10 <input type="checkbox"/>			Positive Choke <input type="checkbox"/>			Positive flow prover <input checked="" type="checkbox"/>		
Orifice diameter		Pipe Diameter (inside)		Nominal Choke Size inches <b>48/64"</b>				
Differential Pressure range		Max. Static pressure range		Prover and Orifice diameter - inches <b>5.761" run with 2" orifice</b>				
Differential <b>66.9" H2O</b>			Static					
Gas Gravity (Air = 1.0) Measured <b>.5706</b> Estimated		Flowing Temperature <b>93</b>		Gas Temperature <b>60</b>				
24 Hour Coefficient		24 Hour coefficient pressure PSIA						

**TEST RESULTS**

Daily Oil <b>0</b>		Daily Water <b>504 BBLs</b>		Daily Gas <b>8496 MCF</b>		Gas-Oil Ratio <b>NA</b>	
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Arsenal Resources LLC  
BY  Well Operator  
ITS: Designated Agent

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/30/2019
Job End Date:	5/17/2019
State:	West Virginia
County:	Harrison
API Number:	47-033-05905-00-00
Operator Name:	Arsenal Resources
Well Name and Number:	Pritt South 212
Latitude:	39.24473500
Longitude:	-80.18656000
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,624
Total Base Water Volume (gal):	14,644,392
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	87.79386	
Sand, White	BJ Services	Proppant		Listed Below			



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Other Chemical (s)	BU Services	See Trade Name (s) List							
			Water	7732-18-5	95.00000	0.51896			
HCl, 5.1 - 7.5%	BU Services	Acidizing		Listed Below					
				Listed Below					
ThinFrac FRW-03C	BU Services	Friction Reducer		Listed Below					
				Listed Below					
FracCare SI-01	BU Services	Scale Inhibitor		Listed Below					
				Listed Below					
BIOC11139A	BU Services	Biocide		Listed Below					
				Listed Below					
ResCare IC 300L	BU Services	Iron Control		Listed Below					
				Listed Below					
CI-14	BU Services	Corrosion Inhibitor		Listed Below					
				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	11.59432			
			Hydrochloric Acid	7647-01-0	7.50000	0.03732			
			Petroleum Distillates	64742-47-8	25.00000	0.02180			
			Quaternized Acrylate Polymer	35429-19-7	25.00000	0.02180			

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			Benzyl-(C12-C16 Alkyl)- Dimethyl-Ammonium Chloride	68424-85-1	30.00000	0.00241	
			Surfactant blend	68439-45-2	2.50000	0.00218	
			Sodium chloride	7647-14-5	2.50000	0.00218	
			Citric Acid	77-92-9	60.00000	0.00204	
			Glutaraldehyde	111-30-8	10.00000	0.00080	
			Methanol	67-56-1	100.00000	0.00078	
			Organo phosphorus salt	Trade Secret	5.00000	0.00068	
			Ethanol	64-17-5	5.00000	0.00040	
			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	
			Propargyl Alcohol	107-19-7	5.00000	0.00004	
			Olefin	64743-02-8	5.00000	0.00004	
			Formaldehyde	50-00-0	1.00000	0.00001	

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\* 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)

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

## ARSENAL RESOURCES PRITT SOUTH 212

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

NAD'83 S.P.C.(FT)	N. 271,995.9	E. 1,774,058.0
NAD'83 GEO.	LAT-(N) 39.244735	LONG-(W) 80.186560
NAD'83 UTM (M)	N. 4,344,250.9	E. 570,194.4

LANDING POINT

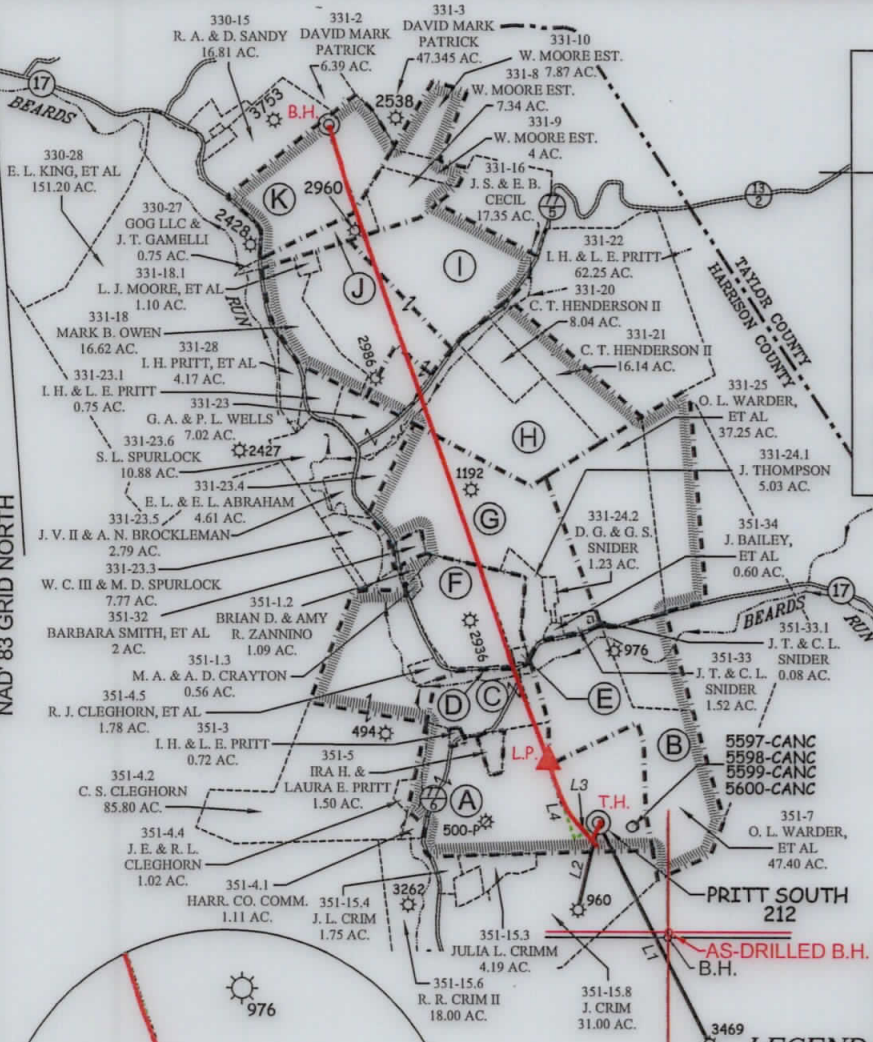
NAD'83 S.P.C.(FT)	N. 272,431.7	E. 1,773,598.9
NAD'83 GEO.	LAT-(N) 39.245922	LONG-(W) 80.188193
NAD'83 UTM (M)	N. 4,344,381.3	E. 570,052.3

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 279,212.6	E. 1,771,264.5
NAD'83 GEO.	LAT-(N) 39.264489	LONG-(W) 80.196621
NAD'83 UTM (M)	N. 4,346,435.4	E. 569,306.7

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

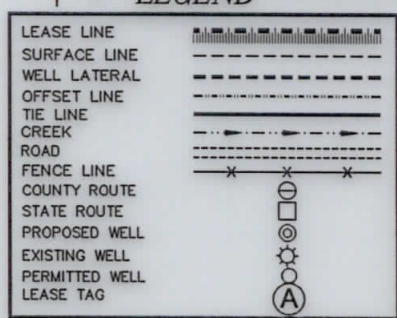
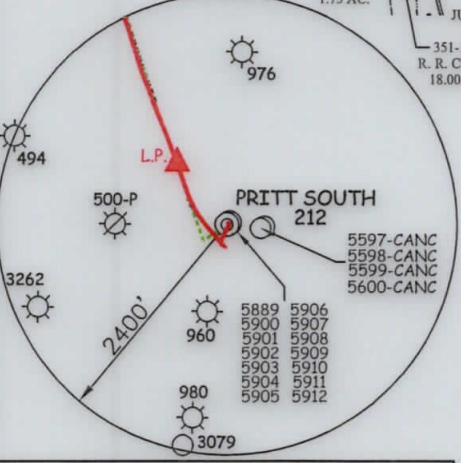
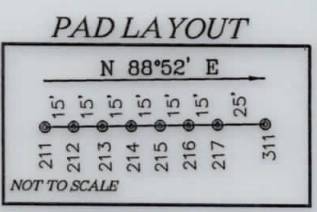
9,899' B.H.



TAG	SURFACE OWNER	TAX MAP / PCL	ACREAGE
A	IRA H. & LAURA E. PRITT	351-4	69.09±
B	O. L. WARDER ET AL.	351-7	47.40±
C	IRA H. & LAURA E. PRITT	351-2	18.79±
D	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	ORAL LAKE ROAD	N/A
E	KEVIN MCNEMAR	351-1.1	0.57±
F	KEVIN MCNEMAR	351-1	24.22±
G	JOHN TROY & CYNTHIA R. SNIDER	331-24	48.14±
H	CLEB T. HENDERSON, II	331-19	33.43±
I	RICHARD L. KINER	331-18.2	66.80±
J	WILLIE & GOLDIE MOORE ESTATE	331-13	4.69±
K	D. M. PATRICK	331-7	31.13±

**PRITT SOUTH 212 WELL TIES**

LINE	BEARING	DISTANCE
L1	S 26°40' E	2569.08'
L2	S 12°54' W	931.84'
L3	S 56°36' W	301.75'
L4	N 19°00' W	636.58'



**NOTES ON SURVEY**

- 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.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'
- AS-DRILLED DATA PROVIDED BY ARSENAL RESOURCES.

**AS DRILLED COORDINATES FOR WELL NO. 212**

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

NAD'83 S.P.C.(FT)	N. 271,995.9	E. 1,774,058.0
NAD'83 GEO.(DD)	LAT-(N) 39.244735	LONG-(W) 80.186560
NAD'83 GEO.(DMS)	LAT-(N) 39°14'41.0"	LONG-(W) 80°11'11.6"
NAD'83 UTM (M)	N. 4,344,250.9	E. 570,194.4

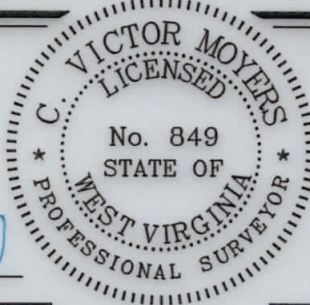
LANDING POINT

NAD'83 S.P.C.(FT)	N. 272,646.1	E. 1,773,536.6
NAD'83 GEO.(DD)	LAT-(N) 39.246509	LONG-(W) 80.188419
NAD'83 GEO.(DMS)	LAT-(N) 39°14'47.4"	LONG-(W) 80°11'18.3"
NAD'83 UTM (M)	N. 4,344,446.3	E. 570,032.2

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 279,259.2	E. 1,771,268.1
NAD'83 GEO.(DD)	LAT-(N) 39.264617	LONG-(W) 80.196610
NAD'83 GEO.(DMS)	LAT-(N) 39°15'52.6"	LONG-(W) 80°11'47.8"
NAD'83 UTM (M)	N. 4,346,449.6	E. 569,307.6

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



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. 849 *C. Victor Moyers*

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

DATE AUGUST 2, 20 19

REVISED \_\_\_\_\_

OPERATORS WELL NO. PRITT SOUTH 212

API WELL NO. 47 - 033 - 05905

STATE            COUNTY            PERMIT           

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8383AD212.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  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

**LOCATION:**  
ELEVATION EXISTING: 1,352.60' / 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±  
PROPOSED WORK: LEASE NO. 00006622  
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 15,274.2' TMD / 7,719' TVD

**WELL OPERATOR** ARSENAL RESOURCES **DESIGNATED AGENT** WILLIAM VEIGEL

**ADDRESS** 6031 WALLACE RD. EXT. SUITE 300 WEXFORD, PA 15090 **ADDRESS** 65 PROFESSIONAL PLACE BRIDGEPORT, WV 26330

COUNTY NAME  
PERMIT