

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

API 47 - 033 - 05907 County Harrison District Simpson
Quad Brownton Pad Name Pritt South Field/Pool Name _____
Farm name Ira and Laura Pritt Well Number 215
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 4344251.4 Easting 570208.1
Landing Point of Curve Northing 4344588.0 Easting 570560.4
Bottom Hole Northing 4346767.1 Easting 569773.5

Elevation (ft) 1351.80' 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 1/10/2019 Date drilling ceased 3/09/2019
Date completion activities began 4/15/2019 Date completion activities ceased 7/5/2019
Verbal plugging (Y/N) NA 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 _____
Is coal being mined in area (Y/N) N

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Reviewed

Reviewed by: REL

SDW
1/14/2020

API 47- 033 - 05907

Farm name Ira and Laura Pritt

Well number 215

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	116'	Y
Surface	17 1/2"	13 3/8"	450' GL	New	54.5	NA	Y
Coal	NA	NA	NA	NA	NA	NA	N
Intermediate 1	12 1/4"	9 5/8"	1,534' 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"	16,069' 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 1,051'(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	495	15.60	1.20	594	Surface	8+
Coal	NA	NA	NA	NA	NA	NA	NA
Intermediate 1	A	490	15.60	1.31	641.9	Surface	8+
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	A	996/1,716	13.80/15.00	1.57/1.30	1,563.72/2,230.8	1,051' (GL)	8+
Tubing	NA	NA	NA	NA	NA	NA	NA

Drillers TD (ft) 16,053'(GL)

Loggers TD (ft) NA

Deepest formation penetrated Marcellus

Plug back to (ft) NA

Plug back procedure NA

Kick off depth (ft) 7,146'(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 39 stages, 1560 perforations

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

API 47-033 - 05907 Farm name Ira and Laura Pritt Well number 215

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
		See Attached			

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations 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 (units)
			See Attached					

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Please insert additional pages as applicable.

Perforation Record					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations (s)
39	5/21/2019	8,226.00	8,388.00	40	Marcellus Shale
38	5/21/2019	8,426.00	8,588.00	40	Marcellus Shale
37	5/16/2019	8,626.00	8,788.00	40	Marcellus Shale
36	5/16/2019	8,826.00	8,988.00	40	Marcellus Shale
35	5/15/2019	9,026.00	9,188.00	40	Marcellus Shale
34	5/15/2019	9,226.00	9,388.00	40	Marcellus Shale
33	5/15/2019	9,426.00	9,588.00	40	Marcellus Shale
32	5/14/2019	9,626.00	9,788.00	40	Marcellus Shale
31	5/14/2019	9,826.00	9,988.00	40	Marcellus Shale
30	5/14/2019	10,026.00	10,188.00	40	Marcellus Shale
29	5/13/2019	10,226.00	10,388.00	40	Marcellus Shale
28	5/13/2019	10,426.00	10,588.00	40	Marcellus Shale
27	5/13/2019	10,626.00	10,788.00	40	Marcellus Shale
26	5/12/2019	10,826.00	10,988.00	40	Marcellus Shale
25	5/12/2019	11,026.00	11,188.00	40	Marcellus Shale
24	5/11/2019	11,226.00	11,388.00	40	Marcellus Shale
23	5/11/2019	11,426.00	11,588.00	40	Marcellus Shale
22	5/10/2019	11,626.00	11,788.00	40	Marcellus Shale
21	5/10/2019	11,826.00	11,988.00	40	Marcellus Shale
20	5/9/2019	12,026.00	12,188.00	40	Marcellus Shale
19	5/9/2019	12,226.00	12,388.00	40	Marcellus Shale
18	5/8/2019	12,426.00	12,588.00	40	Marcellus Shale
17	5/8/2019	12,626.00	12,788.00	40	Marcellus Shale
16	5/7/2019	12,826.00	12,988.00	40	Marcellus Shale
15	5/7/2019	13,026.00	13,188.00	40	Marcellus Shale
14	5/6/2019	13,226.00	13,388.00	40	Marcellus Shale
13	5/6/2019	13,426.00	13,588.00	40	Marcellus Shale
12	5/5/2019	13,626.00	13,788.00	40	Marcellus Shale
11	5/5/2019	13,826.00	13,988.00	40	Marcellus Shale
10	5/4/2019	14,026.00	14,188.00	40	Marcellus Shale
9	5/4/2019	14,226.00	14,388.00	40	Marcellus Shale
8	5/3/2019	14,426.00	14,588.00	40	Marcellus Shale
7	5/3/2019	14,626.00	14,788.00	40	Marcellus Shale
6	5/2/2019	14,826.00	14,988.00	40	Marcellus Shale
5	5/2/2019	15,026.00	15,188.00	40	Marcellus Shale
4	5/1/2019	15,226.00	15,388.00	40	Marcellus Shale
3	5/1/2019	15,426.00	15,588.00	40	Marcellus Shale
2	4/30/2019	15,626.00	15,788.00	40	Marcellus Shale
1	4/26/2019	15,826.00	15,984.00	40	Marcellus Shale

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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	73.50	8,201.00		5,941.00	284,680.00	10,030.00	NA
2	5/1/2019	75.50	8,594.00	7,369.00	5,920.00	452,040.00	9,781.00	NA
3	5/1/2019	74.30	8,355.00	6,062.00	4,472.00	499,000.00	9,787.00	NA
4	5/2/2019	75.20	8,119.00	7,024.00	5,857.00	409,760.00	9,619.00	NA
5	5/2/2019	77.40	8,233.00	7,039.00	5,901.00	500,660.00	9,213.00	NA
6	5/3/2019	79.00	8,084.00	6,447.00	6,001.00	501,360.00	9,556.00	NA
7	5/3/2019	78.40	8,201.00	6,694.00	5,349.00	500,500.00	9,310.00	NA
8	5/4/2019	72.70	8,053.00	7,557.00	5,428.00	403,280.00	9,949.00	NA
9	5/4/2019	78.20	8,006.00	6,813.00	5,637.00	460,960.00	9,389.00	NA
10	5/5/2019	78.20	8,026.00	6,822.00	5,943.00	502,700.00	9,371.00	NA
11	5/5/2019	74.90	7,941.00	7,251.00	5,429.00	429,680.00	10,005.00	NA
12	5/6/2019	79.70	7,646.00	6,690.00	4,841.00	504,500.00	9,157.00	NA
13	5/6/2019	75.80	8,044.00	6,904.00	5,740.00	400,420.00	9,682.00	NA
14	5/7/2019	78.90	8,085.00	7,404.00	6,285.00	499,720.00	9,305.00	NA
15	5/7/2019	77.80	8,064.00	7,078.00	6,231.00	425,460.00	9,765.00	NA
16	5/8/2019	78.00	8,062.00	6,807.00	5,736.00	449,700.00	9,060.00	NA
17	5/8/2019	67.20	8,150.00	6,849.00	5,845.00	482,680.00	9,885.00	NA
18	5/9/2019		7,988.00		5,545.00	346,869.00	9,463.00	NA
19	5/9/2019	75.40	7,923.00	6,055.00	5,113.00	340,780.00	9,770.00	NA
20	5/10/2019	80.00	7,987.00	6,377.00	5,890.00	451,000.00	9,976.00	NA
21	5/10/2019	80.30	7,859.00	7,019.00	6,364.00	499,300.00	9,457.00	NA
22	5/11/2019	79.90	7,922.00	8,172.00	4,858.00	496,940.00	9,948.00	NA
23	5/11/2019	80.00	7,716.00	7,300.00	6,248.00	502,220.00	9,605.00	NA
24	5/12/2019	80.00	7,971.00	7,606.00	5,734.00	499,120.00	9,746.00	NA
25	5/12/2019		7,979.00		4,351.00	462,000.00	9,876.00	NA
26	5/13/2019	79.10	7,603.00	7,159.00	5,549.00	364,300.00	9,180.00	NA
27	5/13/2019	67.10	7,944.00	6,615.00	4,333.00	338,420.00	9,810.00	NA
28	5/13/2019	80.20	7,603.00	6,627.00	5,035.00	481,420.00	9,931.00	NA
29	5/14/2019	80.00	7,424.00	6,475.00	4,634.00	402,100.00	7,612.00	NA
30	5/14/2019	79.60	7,570.00	6,450.00	5,498.00	500,360.00	9,170.00	NA
31	5/14/2019	83.20	7,176.00	5,510.00	4,832.00	496,460.00	8,416.00	NA
32	5/15/2019	78.80	8,011.00	6,623.00	4,526.00	504,140.00	9,993.00	NA
33	5/15/2019	78.80	7,551.00	6,903.00	4,096.00	501,420.00	9,063.00	NA
34	5/15/2019	79.50	7,372.00	6,951.00	5,296.00	500,620.00	9,131.00	NA
35	5/16/2019	81.20	7,216.00	7,288.00	4,448.00	500,740.00	9,213.00	NA
36	5/16/2019	78.70	7,461.00	7,579.00	4,309.00	499,520.00	8,907.00	NA
37	5/21/2019	81.00	7,580.00	7,892.00	5,548.00	457,460.00	9,970.00	NA
38	5/21/2019	81.00	7,332.00	7,960.00	4,868.00	502,020.00	9,317.00	NA

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39	5/22/2019	76.20	7,067.00	7,933.00	5,148.00	461,220.00	10,002.00	NA
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API 47- 033 - 05907 Farm name Ira and Laura Pritt Well number 215

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus Shale</u>	<u>7,745'</u>	<u>TVD</u>	<u>16,080'</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____

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	483	Freshwater @ 176', 225', 240', 310', 380'
Sand/Silt/Coal	483	651	483	651	Bakerstown Coal @ 483' TVD, Brush Creek Coal @ 590'TVD
Sand/Silt/Coal	651	775	651	775	Upper Freeport @ 651' TVD, Lower Freeport @ 710' TVD
Sand/Silt/Coal	775	1542	775	1547	Upper Kittanning @ 775' TVD, Middle Kittanning @ 842' TVD, Lower Kittanning @ 861' TVD, Saltwater @ 1,400'
Big Lime	1542	1712	1547	1718	Limestone
Balltown	3136	3182	3204	3252	Sandstone
Elk Siltstone	4885	4933	5036	5086	Siltstone
Burkett	7438	7462	7676	7706	Shale
Tully	7462	7509	7706	7768	Limestone
Mahantango	7509	7670	7768	8042	Shale
Marcellus	7670	7731	8042	8278	Shale
Purcell	7731	7734	8278	8296	Limestone
Lower Marcellus	7734	7756	8296	16080	Shale - Gas shows through lateral
Onondaga	7756*				*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 C & J Energy Services
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

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 724-946-1264
Signature [Signature] Title Permitting Manager Date _____

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Department of Environmental Protection
Office of Oil and Gas**

Well Operator's Report of
Initial Gas-Oil Ratio

Well Operator <u>Arsenal Resources LLC</u>	Designated Agent <u>William Veigel</u>
Address <u>6031 Wallace Road Ext. Suite 300</u>	Address <u>65 Professional Place, Suite 200</u>
<u>Wexford, PA 15090</u>	<u>Bridgeport, WV 26330</u>

Geological Target Formation: Marcellus Depth 8042 feet
Perforation Interval 8226' - 15984' 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 7/4/19	Time 7:00 AM	End of Test Date 7/5/19	Time 7:00 AM	Duration of Test 24 Hrs
Tubing Pressure NA	Casing Pressure 1196	Separator Pressure 852	Separator Temperature 94	
Oil Production During Test 0	Gas Production During Test 10669	Water Production During Test 614	55,111	
Oil Gravity NA	BBLs	MCF	BBLs	-Salinity
API	Flowing			
Producing Method (flowing, pumping, gas lift etc.)				

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 48/64"	
Differential Pressure range	Max. Static pressure range	Prover and Orifice diameter - inches 5.761" run with 2" orifice	
Differential 83.6" H2O		Static	
Gas Gravity (Air = 1.0) Measured .5709 Estimated	Flowing Temperature 94	Gas Temperature 60	
24 Hour Coefficient	24 Hour coefficient pressure PSIA		

TEST RESULTS

Daily Oil 0	Daily Water 614 BBLs	Daily Gas 10669 MCF	Gas-Oil Ratio NA
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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:	5/22/2019
State:	West Virginia
County:	Harrison
API Number:	47-033-05907-00-00
Operator Name:	Arsenal Resources
Well Name and Number:	Pritt South 215
Latitude:	39.26726500
Longitude:	-80.18640100
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,655
Total Base Water Volume (gal):	15,863,778
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	87.69521	
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	0.53502			
HCl, 5.1 - 7.5%	BJ Services	Acidizing							
				Listed Below					
ThinFrac FRW-03C	BJ Services	Friction Reducer							
				Listed Below					
FraCare 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	11.67660			
			Hydrochloric Acid	7647-01-0	7.50000	0.03872			
			Petroleum Distillates	64742-47-8	25.00000	0.02123			
			Quaternized Acrylate Polymer	35429-19-7	25.00000	0.02123			

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			Benzyl-(C12-C16 Alkyl)- Dimethyl-Ammonium Chloride	68424-85-1	30.00000	0.00243	
			Citric Acid	77-92-9	60.00000	0.00213	
			Sodium chloride	7647-14-5	2.50000	0.00212	
			Surfactant blend	68439-45-2	2.50000	0.00212	
			Methanol	67-56-1	100.00000	0.00082	
			Glutaraldehyde	111-30-8	10.00000	0.00081	
			Organo phosphorus salt	Trade Secret	5.00000	0.00067	
			Ethanol	64-17-5	5.00000	0.00041	
			Polyoxyalkylenes	68951-67-7	30.00000	0.00025	
			Fatty Acids	61790-12-3	10.00000	0.00008	
			Modified Thiourea Polymer	68527-49-1	7.00000	0.00006	
			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	

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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)

PRITT SOUTH 215 WELL TIES

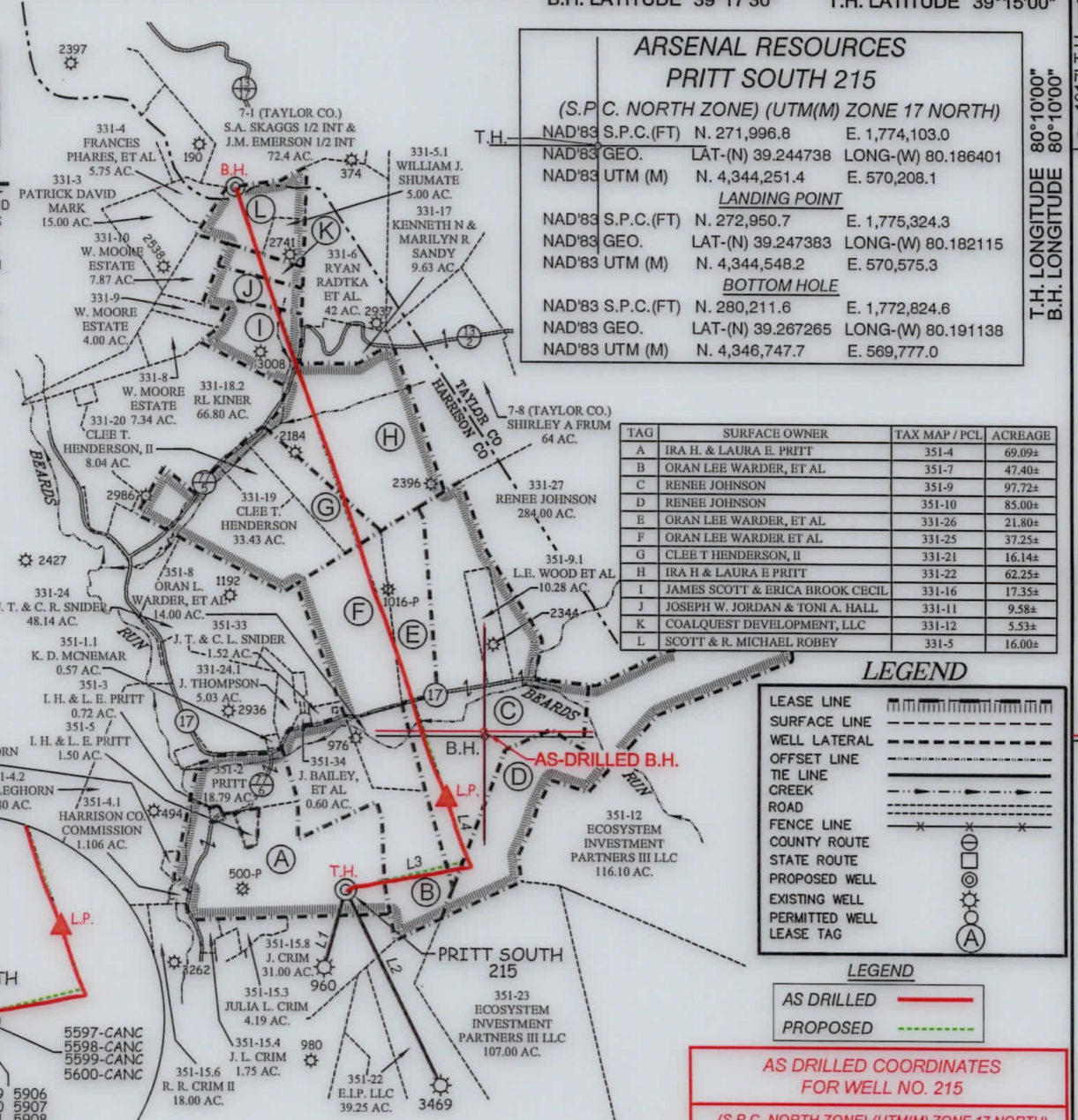
LINE	BEARING	DISTANCE
L1	S 15°33' W	943.76'
L2	S 25°45' E	2550.00'
L3	N 76°10' E	1471.29'
L4	N 19°00' W	636.88'

NOTES ON SURVEY

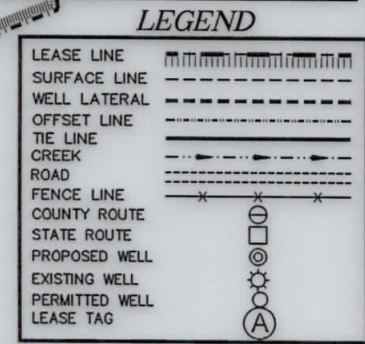
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'
- AS-DRILLED DATA PROVIDED BY ARSENAL RESOURCES.

ARSENAL RESOURCES
PRITT SOUTH 215
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 271,996.8	E. 1,774,103.0
NAD'83 GEO.	LAT-(N) 39.244738	LONG-(W) 80.186401
NAD'83 UTM (M)	N. 4,344,251.4	E. 570,208.1
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 272,950.7	E. 1,775,324.3
NAD'83 GEO.	LAT-(N) 39.247383	LONG-(W) 80.182115
NAD'83 UTM (M)	N. 4,344,548.2	E. 570,575.3
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 280,211.6	E. 1,772,824.6
NAD'83 GEO.	LAT-(N) 39.267265	LONG-(W) 80.191138
NAD'83 UTM (M)	N. 4,346,747.7	E. 569,777.0



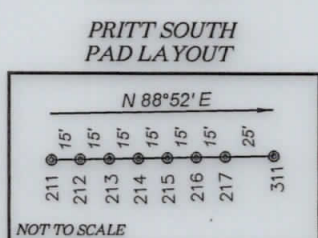
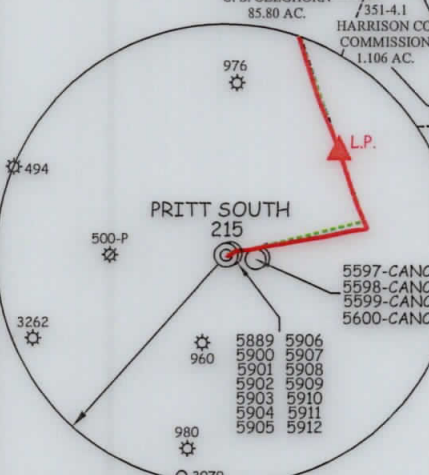
TAG	SURFACE OWNER	TAX MAP / PCL	ACREAGE
A	IRA H. & LAURA E. PRITT	351-4	69.09±
B	ORAN LEE WARDER, ET AL	351-7	47.40±
C	RENEE JOHNSON	351-9	97.72±
D	RENEE JOHNSON	351-10	85.00±
E	ORAN LEE WARDER, ET AL	331-26	21.80±
F	ORAN LEE WARDER ET AL	331-25	37.25±
G	CLEE T HENDERSON, II	331-21	16.14±
H	IRA H & LAURA E PRITT	331-22	62.25±
I	JAMES SCOTT & ERICA BROOK CECIL	331-16	17.35±
J	JOSEPH W. JORDAN & TONI A. HALL	331-11	9.58±
K	COALQUEST DEVELOPMENT, LLC	331-12	5.53±
L	SCOTT & R. MICHAEL ROBEY	331-5	16.00±



NAD'83 GRID NORTH

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

8888' B.H.



LEGEND

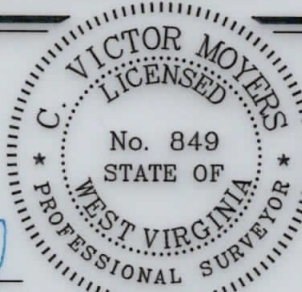
- AS DRILLED
- PROPOSED

AS DRILLED COORDINATES FOR WELL NO. 215

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

NAD'83 S.P.C.(FT)	N. 271,996.8	E. 1,774,103.0
NAD'83 GEO.(DD)	LAT-(N) 39.244738	LONG-(W) 80.186401
NAD'83 GEO.(DMS)	LAT-(N) 39°14'41.1"	LONG-(W) 80°11'11.0"
NAD'83 UTM (M)	N. 4,344,251.4	E. 570,208.1
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 273,082.3	E. 1,775,277.4
NAD'83 GEO.(DD)	LAT-(N) 39.247743	LONG-(W) 80.182284
NAD'83 GEO.(DMS)	LAT-(N) 39°14'51.9"	LONG-(W) 80°10'56.2"
NAD'83 UTM (M)	N. 4,344,588.0	E. 570,560.4
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 280,275.5	E. 1,772,814.2
NAD'83 GEO.(DD)	LAT-(N) 39.267440	LONG-(W) 80.191177
NAD'83 GEO.(DMS)	LAT-(N) 39°16'02.8"	LONG-(W) 80°11'28.2"
NAD'83 UTM (M)	N. 4,346,767.1	E. 569,773.5

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 215

API WELL NO. 47 - 033 - 05907

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8383AD215.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: 1,351.80' / 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 16,085.9' TMD / 7,760' 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