

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

API 47 - 017 - 06141 County Doddridge District Central
Quad West Union 7.5' Pad Name Jonathan Davis Pad Field/Pool Name ---
Farm name Davis, Jonathan L. Well Number Piggot Unit 2H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4350021m Easting 514771m
Landing Point of Curve Northing 4350226.58m Easting 514789.63m
Bottom Hole Northing 4352207m Easting 514104m

Elevation (ft) 1146' 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)
Air- Foam & 4% KCL
Mud- Polymer

Date permit issued 11/19/2012 Date drilling commenced 2/15/2013 Date drilling ceased 2/5/2014
Date completion activities began 3/27/2014 Date completion activities ceased 6/27/2014
Verbal plugging (Y/N) N/A 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 179', 270' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 757' Void(s) encountered (Y/N) depths No
Coal depth(s) ft None Identified Office of Oil and Gas (Y/N) depths No
Is coal being mined in area (Y/N) No

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Reviewed by:
AK 5/26/15
W.S. 06/05/2015

API 47-017 - 06141

Farm name Davis, Jonathan L.

Well number Piggot Unit 2H

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"	44'	New	94# H-40	N/A	Yes
Surface	17- 1/2"	13- 3/8"	658'	New	36# J-55	N/A	Yes
Coal							
Intermediate 1	12-1/4"	9-5/8"	2515'	New	36# J-55	N/A	Yes
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5-1/2"	13965'	New	20# P-110	N/A	Yes
Tubing		2-3/8"	6905'		5.95# N-80	N/A	N/A
Packer type and depth set		N/A					

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	212 sx	15.6	1.18	42	0'	8 Hrs.
Surface	Class A	166 sx	15.6	1.18	457	0'	8 Hrs.
Coal							
Intermediate 1	Class A	901 sx	15.6	1.18	788	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	896 sx (Lead) 1189 sx (Tail)	13.5 Lead 15.2 Tail	1.44 Lead 1.8 Tail	2738	~500 into intermediate casing	8 Hrs.
Tubing							

Drillers TD (ft) 13965' MD, 6664' TVD (BHL), 6689' (Deepest Point Drilled)

Loggers TD (ft) 13916' MD

Deepest formation penetrated Marcellus

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6105'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Valentine Unit 1H API# 47-017-06083). Please reference the wireline logs submitted with Form WR-35 for the Valentine Unit 1H). A Cement Bond Log has been included with this submittal.

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 _____

Conductor- 0

Surface- 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface

Intermediate- 1 above float joint, 1 above float collar, 1 every 4th joint to surface

Production- 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

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 _____

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API 47- 017 - 06141 Farm name Davis, Jonathan L. Well number Piggot Unit 2H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
* PLEASE SEE EXHIBIT 1					

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)
* PLEASE SEE EXHIBIT 2								

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PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD
Marcellus	6638' (TOP)	7011' (TOP)

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
 SHUT-IN PRESSURE Surface 3600 psi Bottom Hole --- psi DURATION OF TEST --- hrs
 OPEN FLOW Gas 9629 mcfpd Oil --- bpd NGL --- bpd Water --- 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	
	0		0		
* PLEASE SEE EXHIBIT 3					

Please insert additional pages as applicable.

Drilling Contractor Precision Drilling Company, LP
 Address 2640 Reach Rd. City Williamsport State PA Zip 17701
 Logging Company Rush Wellsite Services
 Address 600 Alpha Drive City Canonsburg State PA Zip 15317
 Cementing Company Allied Oil & Gas Services, LLC
 Address 1036 East Main St. City Bridgeport State WV Zip 26330
 Stimulating Company GoFrac
 Address 62787 Philips Rd. City Cambridge State OH Zip 43725

Please insert additional pages as applicable.

Completed by Kara Quackenbush Telephone 303-357-7233
 Signature Kara Quackenbush Title Permit Representative Date 1/22/2014

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

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API 47-017-06141 Farm Name Davis, Jonathan L. Well Number Piggot Unit 2H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	27-Mar-14	13,751	13,876	60	Marcellus
2	21-May-14	13,602	13,728	60	Marcellus
3	21-May-14	13,454	13,580	60	Marcellus
4	21-May-14	13,306	13,431	60	Marcellus
5	22-May-14	13,158	13,283	60	Marcellus
6	22-May-14	13,009	13,135	60	Marcellus
7	22-May-14	12,861	12,986	60	Marcellus
8	22-May-14	12,682	12,811	60	Marcellus
9	22-May-14	12,530	12,659	60	Marcellus
10	23-May-14	12,378	12,507	60	Marcellus
11	23-May-14	12,225	12,354	60	Marcellus
12	23-May-14	12,073	12,202	60	Marcellus
13	24-May-14	11,921	12,050	60	Marcellus
14	24-May-14	11,769	11,898	60	Marcellus
15	24-May-14	11,616	11,745	60	Marcellus
16	25-May-14	11,464	11,593	60	Marcellus
17	25-May-14	11,312	11,441	60	Marcellus
18	25-May-14	11,160	11,289	60	Marcellus
19	25-May-14	11,007	11,136	60	Marcellus
20	25-May-14	10,855	10,984	60	Marcellus
21	26-May-14	10,703	10,832	60	Marcellus
22	26-May-14	10,551	10,680	60	Marcellus
23	26-May-14	10,398	10,527	60	Marcellus
24	26-May-14	10,246	10,375	60	Marcellus
25	27-May-14	10,094	10,223	60	Marcellus
26	27-May-14	9,942	10,071	60	Marcellus
27	27-May-14	9,789	9,918	60	Marcellus
28	27-May-14	9,637	9,766	60	Marcellus
29	28-May-14	9,485	7,614	60	Marcellus
30	28-May-14	9,333	9,453	60	Marcellus
31	28-May-14	9,180	9,309	60	Marcellus
32	28-May-14	9,028	9,157	60	Marcellus
33	29-May-14	8,876	9,005	60	Marcellus
34	29-May-14	8,724	8,853	60	Marcellus
35	29-May-14	8,571	8,700	60	Marcellus
36	29-May-14	8,419	8,548	60	Marcellus
37	30-May-14	8,267	8,396	60	Marcellus
38	30-May-14	8,115	8,244	60	Marcellus
39	30-May-14	7,962	8,091	60	Marcellus
40	30-May-14	7,810	7,939	60	Marcellus
41	30-May-14	7,658	7,787	60	Marcellus
42	31-May-14	7,506	7,635	60	Marcellus
43	31-May-14	7,353	7,482	60	Marcellus
44	31-May-14	7,201	7,330	60	Marcellus
45	31-May-14	7,049	7,178	60	Marcellus

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EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	21-May-14	72.1	7,220	0	4,965	228,151	6,030	N/A
2	21-May-14	76.4	7,346	5,340	4,136	226,025	5,966	N/A
3	21-May-14	76.5	7,568	5,444	5,286	225,938	5,965	N/A
4	21-May-14	69.7	7,709	5,573	4,788	225,313	5,977	N/A
5	22-May-14	76.2	7,748	5,602	4,739	227,157	5,970	N/A
6	22-May-14	71.7	7,559	5,367	4,534	226,376	5,899	N/A
7	22-May-14	76.2	7,564	5,346	5,233	227,457	5,881	N/A
8	22-May-14	72.5	7,200	5,193	3,800	225,642	5,933	N/A
9	22-May-14	76.0	7,495	5,449	4,925	225,372	5,917	N/A
10	23-May-14	75.5	7,537	5,144	4,992	224,919	5,860	N/A
11	23-May-14	78.5	7,737	5,455	5,336	226,260	5,848	N/A
12	23-May-14	79.0	7,399	5,222	4,790	226,280	5,841	N/A
13	24-May-14	72.1	7,525	5,219	4,764	231,512	5,851	N/A
14	24-May-14	78.4	7,385	5,385	5,132	226,270	5,825	N/A
15	24-May-14	78.7	7,566	5,537	5,017	226,280	5,816	N/A
16	25-May-14	77.9	7,495	5,433	5,196	226,295	5,800	N/A
17	25-May-14	76.7	7,051	5,327	5,173	225,943	5,779	N/A
18	25-May-14	70.6	7,686	5,245	5,076	222,230	5,799	N/A
19	25-May-14	78.1	7,069	5,245	5,156	226,290	5,771	N/A
20	25-May-14	77.3	7,395	5,293	4,360	226,300	5,761	N/A
21	26-May-14	76.1	7,444	5,270	5,161	228,251	5,787	N/A
22	26-May-14	73.9	7,345	5,532	4,278	225,911	5,758	N/A
23	26-May-14	77.6	7,432	5,497	4,914	227,022	5,745	N/A
24	26-May-14	79.0	7,487	5,244	4,535	226,285	5,719	N/A
25	27-May-14	79.8	7,310	5,437	4,976	226,280	5,711	N/A
26	27-May-14	76.5	7,321	5,375	5,070	224,009	5,697	N/A
27	27-May-14	77.2	7,377	5,462	4,375	227,823	5,678	N/A
28	27-May-14	76.2	7,749	5,476	4,447	226,295	5,676	N/A
29	28-May-14	77.2	7,409	5,391	5,202	226,768	5,695	N/A
30	28-May-14	76.5	7,238	5,195	4,925	231,464	5,663	N/A
31	28-May-14	77.1	7,120	5,347	4,363	231,921	5,652	N/A
32	28-May-14	79.9	7,471	5,354	4,570	226,265	5,647	N/A
33	29-May-14	76.1	7,278	5,329	5,230	230,454	5,614	N/A
34	29-May-14	77.1	6,985	5,282	4,189	159,819	5,630	N/A
35	29-May-14	77.7	6,940	5,272	5,193	226,280	5,739	N/A
36	29-May-14	79.0	7,032	5,505	5,268	226,275	5,597	N/A
37	30-May-14	77.2	6,934	5,112	5,075	225,359	5,579	N/A
38	30-May-14	76.6	7,156	4,813	4,586	227,203	5,589	N/A
39	30-May-14	75.6	7,238	5,453	4,962	226,300	5,570	N/A
40	30-May-14	78.3	6,800	5,568	5,435	228,388	5,558	N/A
41	30-May-14	79.6	6,941	5,570	5,233	226,195	5,534	N/A
42	31-May-14	78.1	6,732	5,274	5,049	226,260	5,530	N/A
43	31-May-14	77.9	6,966	5,195	3,808	225,175	5,568	N/A
44	31-May-14	77.9	6,978	5,203	3,596	223,940	5,563	N/A
45	31-May-14	74.1	7,400	5,978	5,844	236,631	5,649	N/A
AVG=		77	7,319	5,243	4,837	10,142,583	258,660	TOTAL

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API 47-017-06141 Farm Name Davis, Jonathan L. Well Number Piggot Unit 2H

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Fresh Water	179'	N/A	179'	N/A
Fresh Water	270'	N/A	270'	N/A
Sandy shale	est. 32	532	est. 32	532
Shale	est. 532	1132	est. 532	1132
Trace coal	est. 1132	1210	est. 1132	1210
Shale	est. 1210	1742	est. 1210	1742
Trace coal	est. 1742	1772	est. 1742	1772
Shale	est. 1772	1802	est. 1772	1802
Trace coal	est. 1802	1832	est. 1802	1832
Shale-Sand	est. 1832	1892	est. 1832	1892
Trace coal	est. 1892	1922	est. 1892	1922
Sandstone	est. 1922	2046	est. 1922	2046
Big Lime	est. 2046	2135	est. 2046	2135
Big Injun	2135	2246	2135	2246
Weir	2246	2698	2246	2698
Fifty Foot Sandstone	2698	2791	2698	2791
Gordon	2791	3102	2791	3102
Fifth Sandstone	3102	3130	3102	3130
Bayard	3130	3450	3130	3450
Speechley	3450	4280	3450	4280
Baltown	4280	4610	4280	4610
Bradford	4610	5039	4610	5041
Benson	5039	5298	5041	5306
Alexander	5298	6284	5306	6386
Sycamore	6284	6454	6386	6621
Middlesex	6454	6573	6621	6831
Burkett	6573	6603	6831	6900
Tully	6603	6638	6900	7011
Marcellus	6638	NA	7011	NA

*Please note Antero determines shallow formation tops based on mud and/or wireline logs that are only run on one well on a multi-well pad (Please reference Wireline Logs submitted for the Valentine Unit 1H API# 47-017-06083). The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/21/2014
Job End Date:	5/30/2014
State:	West Virginia
County:	Doddridge
API Number:	47-017-06141-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Piggot Unit 2H
Longitude:	-80.82886900
Latitude:	39.29936700
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	6,689
Total Base Water Volume (gal):	10,863,594
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
Freshwater	Republic Energy	Frac Base	Water	7732-18-5	100.00000	89.52232	None
40/70 White Sand	US Silica	Proppant	Sand	14808-60-7	100.00000	6.01384	None
20/40 White Sand	US Silica	Proppant	Sand	14808-60-7	100.00000	3.44665	None
100 Mesh	US Silica	Proppant	Sand	14808-60-7	100.00000	0.61742	None
SOS 1545	Ultrablend	Guar Gel	Hydrocarbons	64741-85-1	70.00000	0.05976	None
Plexslick 953	Chemplex	Friction Reducer	Water	7732-18-5	35.00000	0.01984	None
			Polyacrylamide-co-acrylic acid	Proprietary	32.00000	0.01814	None
			Hydrotreated Petroleum Distillate	64742-47-8	30.00000	0.01700	None
			Alcohol Ethoxylate Surfactants	Proprietary	8.00000	0.00453	None
HCl Acid 10-15%	GoFrac	Acid	Hydrochloric Acid	7647-01-0	15.00000	0.03439	None
Plexaid 673	Chemplex	Scale Inhibitor	Water	7732-18-5	85.00000	0.01174	None

					67-56-1	25.00000	0.00345	None
				Methyl Alcohol	Proprietary	5.00000	0.00069	None
Plexicide 15G	Chemplex	Biocide	Sodium Salt of Phosphonodimethylated Diamine					
			Water	7732-18-5		90.00000	0.00582	None
			Glutaraldehyde	111-30-8		14.00000	0.00090	None
			Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1		3.00000	0.00019	None
			Ethanol	64-17-5		3.00000	0.00019	None
			Didecyl Dimethyl Ammonium Chloride	7173-51-5		3.00000	0.00019	None
Sodium Persulfate	Chemplex	Active Breaker	Sodium Persulfate	7775-27-1		100.00000	0.00141	None
Ferriplex 66	Chemplex	Iron Control	Acetic Acid	64-19-7		50.00000	0.00025	None
			Water	7732-18-5		35.00000	0.00018	None
			Citric Acid	77-92-9		30.00000	0.00015	None
Plexhib 256	Chemplex	Corrosion Inhibitor						
			Methyl Alcohol	67-56-1		70.00000	0.00026	None
			Alcohol Ethoxylate Surfactants	Proprietary		30.00000	0.00011	None
			Thiourea-formaldehyde copolymer	68527-49-1		30.00000	0.00011	None
			n-olefins	Proprietary		10.00000	0.00004	None
			Propargyl Alcohol	107-19-7		8.00000	0.00003	None
Greenflush	Chemplex	Cleaner						
			Alcohol Ethoxylate Surfactants	Proprietary		10.00000	0.00055	None
Plexbreak 145	Chemplex	Non-Emulsifier						
			Water	7732-18-5		66.00000	0.00027	None
			Ethylene Glycol Monobutyl Ether	111-76-2		15.00000	0.00006	None
			Methyl Alcohol	67-56-1		15.00000	0.00006	None
			Cocamide Diethanolamine Salt	68603-42-9		10.00000	0.00004	None
			Diethanolamine	111-42-2		5.00000	0.00002	None

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)

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LATITUDE 39°20'00"

10,528'

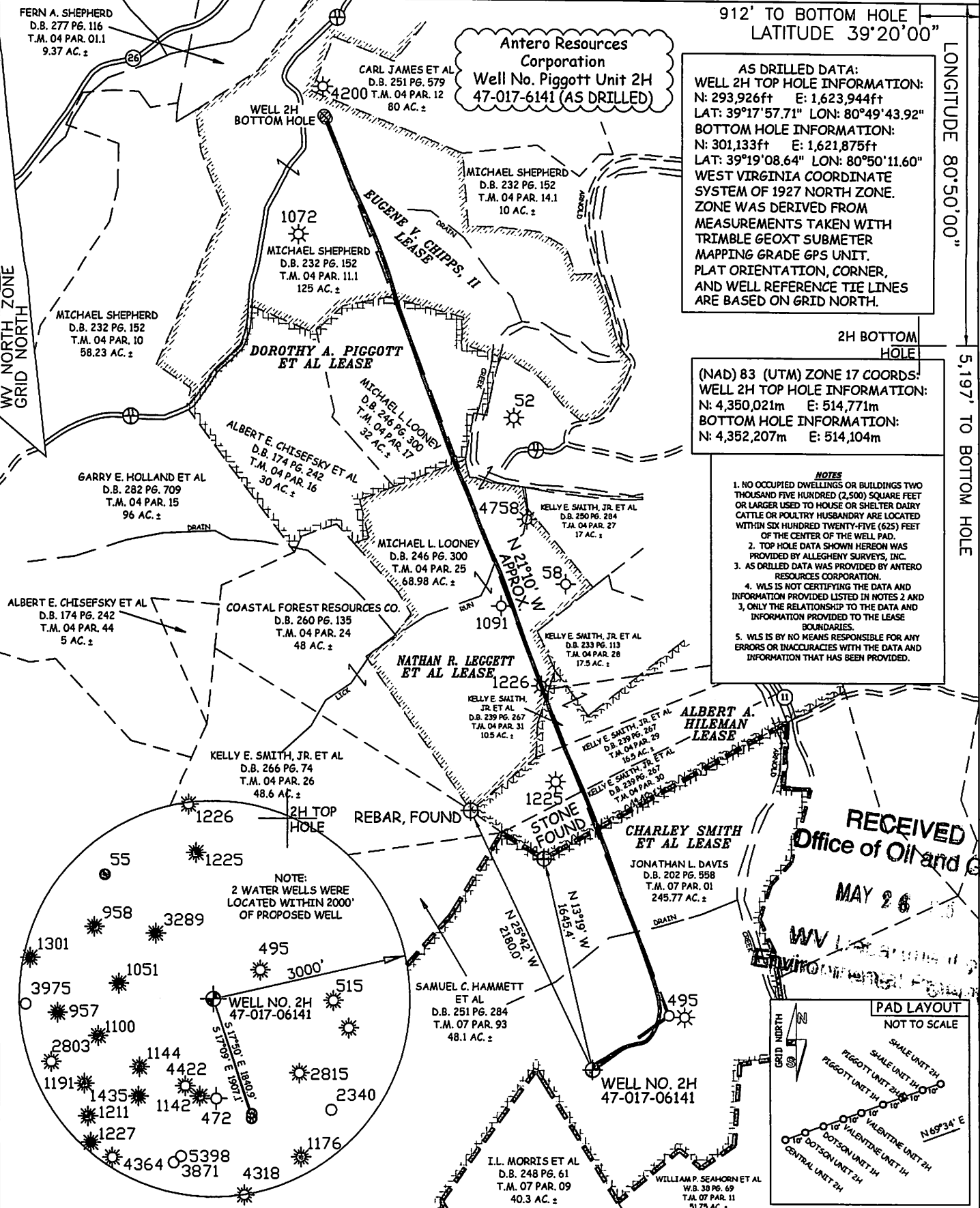
912' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°50'00"

5,197' TO BOTTOM HOLE

12,372'

LONGITUDE 80°47'30"

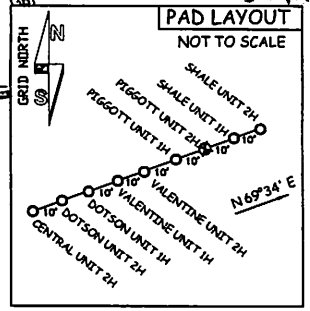


AS DRILLED DATA:
 WELL 2H TOP HOLE INFORMATION:
 N: 293,926ft E: 1,623,944ft
 LAT: 39°17'57.71" LON: 80°49'43.92"
 BOTTOM HOLE INFORMATION:
 N: 301,133ft E: 1,621,875ft
 LAT: 39°19'08.64" LON: 80°50'11.60"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
 ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 2H TOP HOLE INFORMATION:
 N: 4,350,021m E: 514,771m
 BOTTOM HOLE INFORMATION:
 N: 4,352,207m E: 514,104m

- NOTES
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
 2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

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 Office of Oil and Gas
 MAY 26 2015



JOB # 12-073WA
 DRAWING # PIGGOTT2HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Found monument, as noted
 ○ Proposed Well Path
 ⊗ As Drilled Well Path

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,183' ORIGINAL - 1,146' AS-DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDSON PERMIT 06-05/2015
 SURFACE OWNER JONATHAN L. DAVIS ACREAGE 245.77 ACRES +/-
 OIL & GAS ROYALTY OWNER CHARLEY SMITH ET AL; ALBERT A. HILEMAN; NATHAN R. LEGGETT ET AL; DOROTHY A. PIGGOTT ET AL; EUGENE V. CHIPPS, II LEASE ACREAGE 213 ACRES±; 50.5 ACRES±; 68.98 ACRES±; 62 ACRES±; 140 ACRES±
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) (X) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,664' TVD 13,965' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313