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WR-35
Rev. 8/23/13

Page ___ of ___

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

RECEIVED
Office of Oil and Gas
NOV 25 2014

WV Department of
Environmental Protection

API 47-033-05715 County Harrison District Union
Quad Big Isaac Pad Name Corder East Field/Pool Name _____
Farm name Corder, Gerald & Louella Well Number Truman 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 4341560.96 Easting 538531.41
Landing Point of Curve Northing 4341488.81 Easting 538134.63
Bottom Hole Northing 4342711.85 Easting 536611.07

Elevation (ft) 1405' 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 Not yet completed
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 1/31/2013 Date drilling commenced 3/29/2014 Date drilling ceased 7/16/2014
Date completion activities began WOC Date completion activities ceased N/A
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 100' Open mine(s) (Y/N) depths N
Salt water depth(s) ft None Identified Void(s) encountered (Y/N) depths N
Coal depth(s) ft 340', 420', 900', 1240', 1320', 1680', 1860' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

12/05/2014

API 47- 033 - 05715 Farm name Corder, Gerald & Louella Well number Truman 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"	40'	New	106.5#	N/A	Y
Surface	17- 1/2"	13- 3/8"	366'	New	48#	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2490'	New	36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5-1/2"	14,768'	New	20#	N/A	Y
Tubing							
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	196 sx	15.6	1.18	38	0	8 Hrs.
Surface	Class A	436 sx	15.6	1.18	254	0	8 Hrs.
Coal							
Intermediate 1	Class A	916 sx	15.6	1.18	780	0	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	2244 sx	14.5 Lead 15.2 Tail	1.3 Lead 1.87 Tail	2927	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 14,768' MD, 7494' TVD; 7523' TVD (Deepest Point Drilled) Loggers TD (ft) 14,720'

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6921'

Check all wireline logs run caliper density deviated/directional induction neutron resistivity gamma ray temperature

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Cleta Unit 1H API# 47-033-05659). Please reference the wireline logs submitted with Form WR-35 for the Cleta Unit 2H. A Cement Bond Log has been included with this submittal.

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 Waiting on Completion

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS Waiting on Completion

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED Waiting on Completion

API 47- 033 - 05715 Farm name Corder, Gerald & Louella Well number Truman Unit 2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus - WOC</u>	<u>7377'</u> TVD	<u>7728'</u> 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

<u>LITHOLOGY/ FORMATION</u>	<u>TOP DEPTH IN FT NAME TVD</u>	<u>BOTTOM DEPTH IN FT TVD</u>	<u>TOP DEPTH IN FT MD</u>	<u>BOTTOM DEPTH IN FT MD</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u>
	0		0		

*** PLEASE SEE EXHIBIT 1**

Please insert additional pages as applicable.

Drilling Contractor Patterson - UTI Drilling Company LLC
 Address 207 Carlton Drive City Eight Four State PA Zip 15330

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 Street City Bridgeport State WV Zip 26330

Stimulating Company N/A - WOC
 Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Ashlie Steele Telephone 303-357-7323
 Signature *Ashlie Steele* Title Permitting Supervisor Date 11/24/2014

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

12/05/2014

EXHIBIT 1

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)	ROCK TYPE	FLUID PRODUCED
Undifferentiated Pennsylvanian Sedimentary Sequence	0'	2279'	0'	2279'	Sandstone/Shale/Siltstone	
Big Lime	est. 2280'	2379'	est. 2280'	2379'	Limestone	
Big Injun	est. 2380'	2682'	est. 2380'	2682'	Sandstone/Shale/Siltstone	
Gantz Sand	est. 2683'	2824'	est. 2683'	2824'	Sandstone/Shale/Siltstone	
Fifty Foot Sandstone	est. 2825'	2895'	est. 2825'	2895'	Sandstone/Shale/Siltstone	
Gordon	est. 2896'	3069'	est. 2896'	3069'	Sandstone/Shale/Siltstone	
Fifth Sandstone	est. 3070'	3111'	est. 3070'	3111'	Sandstone/Shale/Siltstone	
Bayard	est. 3112'	3887'	est. 3112'	3887'	Sandstone/Shale/Siltstone	
Speechley	est. 3888'	4142'	est. 3888'	4142'	Sandstone/Shale/Siltstone	
Baltown	est. 4143'	4677'	est. 4143'	4677'	Sandstone/Shale/Siltstone	
Bradford	est. 4678'	5193'	est. 4678'	5193'	Sandstone/Shale/Siltstone	
Benson	est. 5194'	5370'	est. 5194'	5370'	Sandstone/Shale/Siltstone	
Alexander	est. 5371'	5521'	est. 5371'	5521'	Sandstone/Shale/Siltstone	
Elk	est. 5522'	7038'	est. 5522'	7188'	Sandstone/Shale/Siltstone	
Middlesex	7039'	7184'	7189'	7371'	Shale	
Burkett	7185'	7210'	7372'	7407'	Shale	Gas
Tully	7211'	7376'	7408'	7727'	Limestone	N/A
Marcellus	7377'	7523'	7728'		Shale	Gas

*Please note Antero determines formation tops based on wireline logs that are only run on one well on a multi-well pad (Please reference Cleota Unit 1H #47-033-05659). The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

9,793' to Bottom Hole

LATITUDE 39 - 15 - 00

LONGITUDE 80 - 32 - 30

10,014' to Top Hole

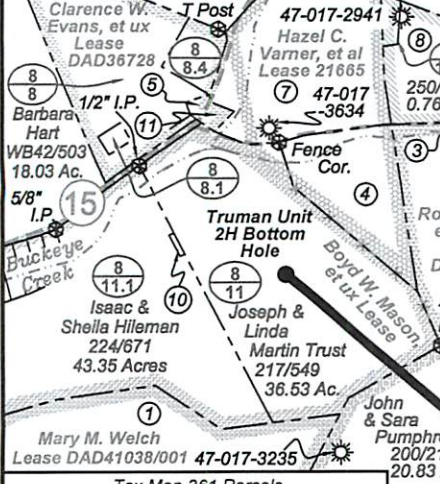
6,132' to Bottom Hole

Antero Resources Well No. Truman Unit 2H As-Drilled Plat

Antero Resources Corporation

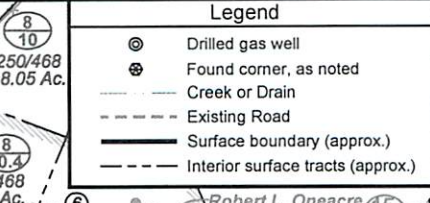
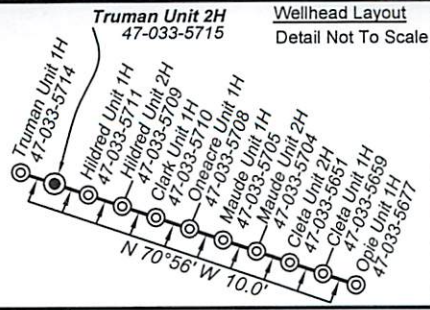
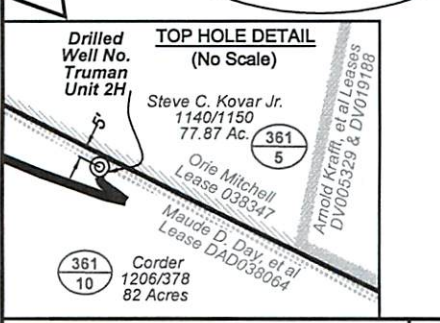
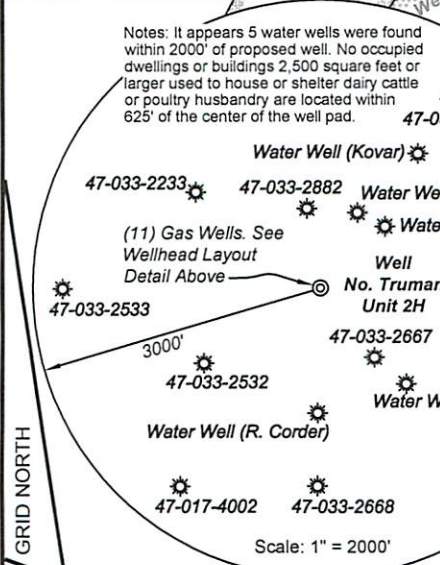
Tax Map 8 Parcels

Par	Owner	DB/Pg	Acres	
1	18.6	Vanessa Richter	249/635	35.06
2	20	Penny Freeman Jones	245/500	2.21
3	10.5	Butterfly Evolution Trust	250/468	0.41
4	10.2	Butterfly Evolution Trust	250/468	11.5
5	8.2	Zak S. Henry	287/209	0.34
6	10.1	Barbara Ann Templeton	206/575	12.67
7	9	Jonell L. Carver	265/418	21.7
8	10.6	Butterfly Evolution Trust	250/468	10.66
9	10.3	Butterfly Evolution Trust	250/468	27.8
10	11.1	Joseph & Linda Martin Trust	217/549	0.11
11	8.3	Stephanie D. Moore	277/244	0.49

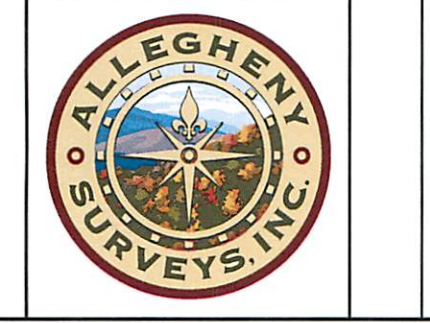
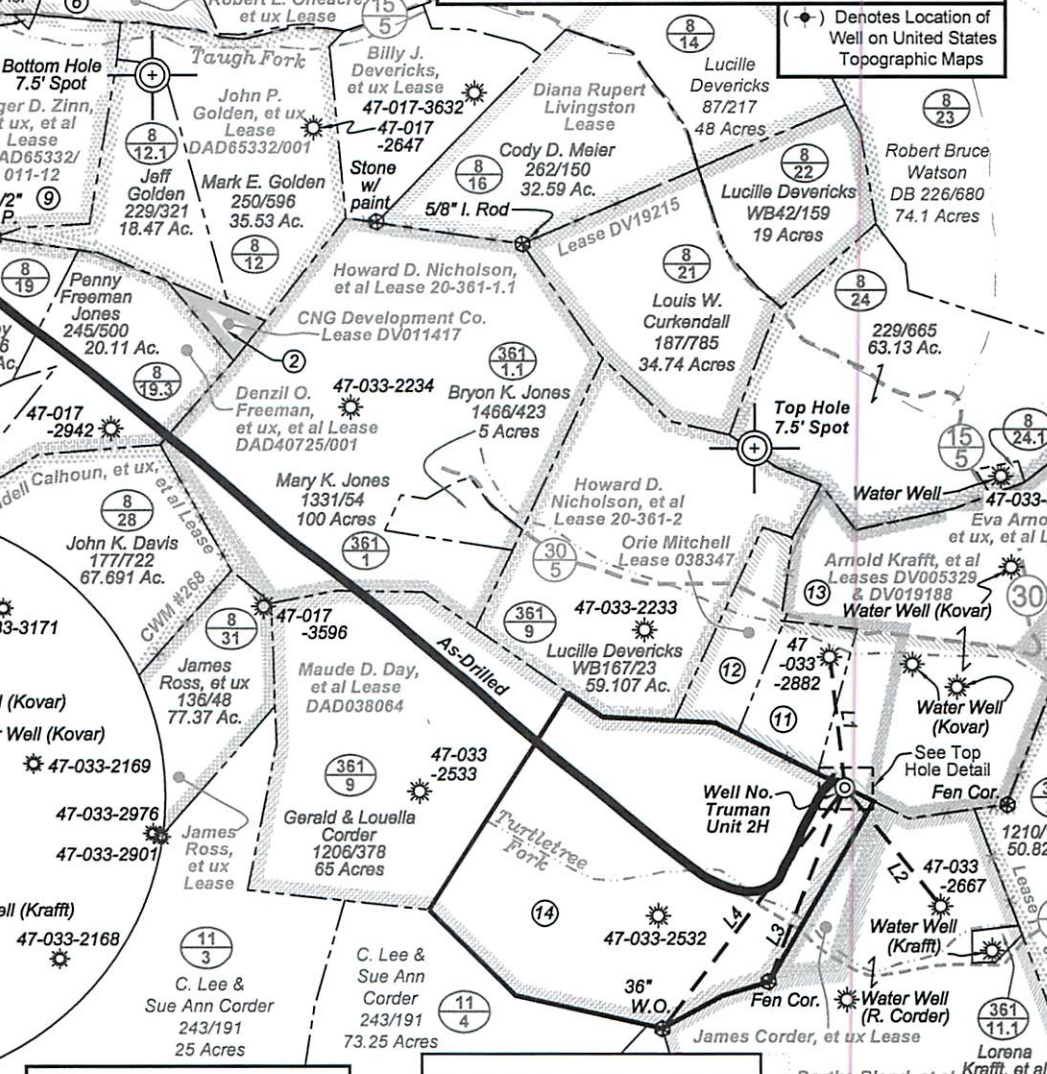


Tax Map 361 Parcels

Par	Owner	DB/Pg	Acres	
11	4	Lucille Devericks	WB167/23	9.84
12	3	Lucille Devericks	WB167/23	9.70
13	5	Steve C. Kovar Jr.	1140/1150	77.87
14	10	Gerald & Louella Corder	1206/378	82.0



Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Truman Unit 2H Top Hole coordinates are
N: 264,861.08 Latitude: 39°13'20.61"
E: 1,701,451.29 Longitude: 80°33'13.69"
Bottom Hole coordinates are
N: 268,742.88 Latitude: 39°13'58.25"
E: 1,695,212.66 Longitude: 80°34'33.55"
UTM Zone 17, NAD 1983
Top Hole Coordinates: Bottom Hole Coordinates:
N: 4,341,560.958m N: 4,342,711.847m
E: 538,531.414m E: 536,611.066m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.



Top Hole coordinates verified by survey grade GPS. As-drilled data and information was provided by Antero Resources Corporation. Allegheny Surveys, Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

Line	Bearing	Distance
L1	S 06°41' E	814.4
L2	N 38°59' W	952.3'
L3	N 21°29' E	1297.1'
L4	N 36°03' E	1878.1

FILE NO: 233-30-G-12
DRAWING NO: 233-12 Truman Drilled 2H
SCALE: 1" = 1200'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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

DATE: November 4, 2014
OPERATOR'S WELL NO. Truman Unit 2H
API WELL NO: 47-033-05715
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1405' WATERSHED: Turtletree Fork of Tenmile Creek QUADRANGLE: Big Isaac
DISTRICT: Union COUNTY: Harrison
SURFACE OWNER: Gerald & Louella Corder Howard D. Nicholson, et al 20-361-1.1 ACREAGE: 82
ROYALTY OWNER: Maude D. Day, et al; Denizil O. Freeman, et ux, et al LEASE NO: DAD038064 ACREAGE: 147; 165; 76; 89
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled TVD 7,494'
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale DEPTH: MD 14,768
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313