

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

API 47 - 017 - 06576 County Doddridge District Southwest  
Quad Oxford 7.5' Pad Name Oxford 13 Pad Field/Pool Name ----  
Farm name I.L. Morris Well Number OXFD 13 CHS  
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 4335537m Easting 521799m  
Landing Point of Curve Northing 4335524.50m Easting 521772.10m  
Bottom Hole Northing 4337226m Easting 521242m

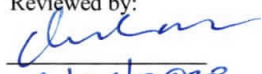
Elevation (ft) 1152' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary 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 10/12/2018 Date drilling commenced 1/25/2015 Date drilling ceased 7/31/2015  
Date completion activities began 3/18/2020 Date completion activities ceased 4/22/2020  
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug  
Freshwater depth(s) ft 38' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1427', 1494', 1827' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft 87' Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

Reviewed by:  
  
8/14/2020

API 47-017 - 06576 Farm name I.L. Morris Well number OXFD 13 CHS

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"	75'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	1082'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2843'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	12506'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7079'		4.7#, N-80		
Packer type and depth set		N/A					

Comment Details \_\_\_\_\_

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	Class A	514 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	361 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	n/a sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	169 sx (Lead) 2489 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)		~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 12516' MD, 6785' TVD (BHL), 6787' (Deepest Point Drilled) Loggers TD (ft) 12516' MD  
 Deepest formation penetrated Marcellus Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 6300'

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

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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 N/A



API 47- 017 - 06576 Farm name I.L. Morris Well number OXFD 13 CHS

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6865' (TOP)</u> TVD	<u>7149' (TOP)</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2800 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 107 mcfpd Oil 1 bpd NGL --- bpd Water 1 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>		<u>BOTTOM</u>		<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H<sub>2</sub>S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	

**\*PLEASE SEE ATTACHED EXHIBIT 3**


Please insert additional pages as applicable.

Drilling Contractor Frontier Drilling LLC  
Address 562 Spring Run Road City Pennsboro State WV Zip 26415

Logging Company Allied Horizontal Wireline Services  
Address 381 Colonial Manor Road City North Huntington State PA Zip 15642

Cementing Company C&J Energy Services  
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

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Stimulating Company Baker Hughes  
Address 837 Philippi Pike City Clarksburg State WV Zip 26301

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Please insert additional pages as applicable.

Completed by Megan Griffith Telephone 303-357-7223  
Signature [Signature] Title Permitting Agent Date 7/21/20

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

API 47-017-06576 Farm Name I.L. Morris Well Number OXFD 13 CHS

**EXHIBIT 1**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	2/26/2020	12319	12220	60	Marcellus
2	2/27/2020	12184.53333	12019.2	60	Marcellus
3	2/28/2020	11983.73333	11818.4	60	Marcellus
4	2/28/2020	11782.93333	11617.6	60	Marcellus
5	2/29/2020	11582.13333	11416.8	60	Marcellus
6	3/1/2020	11381.33333	11216	60	Marcellus
7	3/1/2020	11180.53333	11015.2	60	Marcellus
8	3/2/2020	10979.73333	10814.4	60	Marcellus
9	3/2/2020	10778.93333	10613.6	60	Marcellus
10	3/3/2020	10578.13333	10412.8	60	Marcellus
11	3/3/2020	10377.33333	10212	60	Marcellus
12	3/4/2020	10176.53333	10011.2	60	Marcellus
13	3/4/2020	9975.733333	9810.4	60	Marcellus
14	3/4/2020	9774.933333	9609.6	60	Marcellus
15	3/5/2020	9574.133333	9408.8	60	Marcellus
16	3/5/2020	9373.333333	9208	60	Marcellus
17	3/6/2020	9172.533333	9007.2	60	Marcellus
18	3/6/2020	8971.733333	8806.4	60	Marcellus
19	3/6/2020	8770.933333	8605.6	60	Marcellus
20	3/7/2020	8570.133333	8404.8	60	Marcellus
21	3/7/2020	8369.333333	8204	60	Marcellus
22	3/8/2020	8168.533333	8003.2	60	Marcellus
23	3/8/2020	7967.733333	7802.4	60	Marcellus
24	3/9/2020	7766.933333	7601.6	60	Marcellus
25	3/9/2020	7566.133333	7400.8	60	Marcellus
26	3/9/2020	7365.333333	7200	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	2/26/2020	74.37	8414	6304	4182	401860	7298.333	N/A
2	2/27/2020	81.45	8530	5085	5337	405960	7397.762	N/A
3	2/28/2020	77.27	7967	6680	5404	405360	7598.048	N/A
4	2/28/2020	81.16	8220	5944	4992	399320	7440.167	N/A
5	2/29/2020	82.84	8280	6180	4225	401100	7113.5	N/A
6	3/1/2020	78.53	7999	6211	4448	403920	7336.952	N/A
7	3/1/2020	84.18	8251	6085	4310	401120	7713.405	N/A
8	3/2/2020	85.11	8288	6807	4861	401840	7306.143	N/A
9	3/2/2020	83.19	8394	6103	4201	401940	7174.476	N/A
10	3/3/2020	83.4	8258	6856	4639	402040	7559.81	N/A
11	3/3/2020	85.55	8316	6151	4062	399960	7114.929	N/A
12	3/4/2020	85.64	8269	7049	4550	404940	7203.357	N/A
13	3/4/2020	85.9	8239	5948	4328	400520	7113.024	N/A
14	3/4/2020	85.9	7920	5983	4461	400640	7092.619	N/A
15	3/5/2020	84.58	8347	6018	4419	399720	7048.667	N/A
16	3/5/2020	85.9	8214	6441	4204	400280	7028.143	N/A
17	3/6/2020	85.9	8245	6674	5058	402160	7172.262	N/A
18	3/6/2020	85.2	8172	6098	4922	395240	7163.31	N/A
19	3/6/2020	85.9	8099	6663	4581	403700	6980.048	N/A
20	3/7/2020	83.95	8209	5907	5005	403060	8028.214	N/A
21	3/7/2020	85.84	8060	5919	4580	400660	7014.976	N/A
22	3/8/2020	69.41	8263	6596	3959	407620	8694.69	N/A
23	3/8/2020	82.75	7747	6116	5239	399980	10769.14	N/A
24	3/9/2020	85.9	7360	6840	4140	405820	7094.976	N/A
25	3/9/2020	85.04	7510	6051	3744	408260	7189.667	N/A
26	3/9/2020	85.88	7554	6704	4524	397180	6965.143	N/A
	<b>AVG.</b>	<b>83.1</b>	<b>8,120</b>	<b>6,285</b>	<b>4,553</b>	<b>10,454,200</b>	<b>193,612</b>	<b>TOTAL</b>

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**EXHIBIT 3**

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	120	175	120	175
Sandstone	175	230	175	230
Silty sandstone tr coal	230	595	230	595
Shaly siltstone tr coal	595	610	595	610
Shaly siltstone	610	705	610	705
Silty Sandstone	705	850	705	850
Silty sandstone	850	920	850	920
Silty Sandstone	920	1,190	920	1,190
Siltstone	1,190	1,310	1,190	1,310
Siltstone tr coal	1,310	1,480	1,310	1,480
Sandstone tr coal	1,480	1,800	1,480	1,800
Shaly siltstone tr coal	1,800	1,855	1,800	1,855
Silty sandstone tr coal	1,855	1,990	1,855	1,990
Big Lime	1,990	2,722	1,961	2,722
Fifty Foot Sandstone	2,722	2,785	2,693	2,785
Gordon	2,785	3,131	2,756	3,131
Fifth Sandstone	3,131	3,207	3,102	3,207
Bayard	3,207	3,740	3,178	3,741
Speechley	3,740	3,905	3,712	3,906
Balltown	3,905	4,512	3,877	4,512
Bradford	4,512	5,003	4,483	5,003
Benson	5,003	5,253	4,974	5,253
Alexander	5,253	6,666	5,224	6,720
Sycamore	6,489	6,637	6,518	6,691
Middlesex	6,637	6,772	6,691	6,899
Burkett	6,772	6,813	6,899	6,984
Tully	6,813	6,865	6,984	7,149
Marcellus	6,865	NA	7,149	NA

\*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. 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:	2/26/2020
Job End Date:	3/9/2020
State:	West Virginia
County:	Doddridge
API Number:	47-017-06576-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Oxford 13 CHS
Latitude:	39.16869600
Longitude:	-80.74782900
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,919
Total Base Water Volume (gal):	8,275,886
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
Fresh Water	Halliburton	Base Fluid					
		Water	Water	7732-18-5	100.00000	86.66484	Density = 8.34
Ingredients	Listed Above	Listed Above					
		Water	Water	7732-18-5	100.00000	0.17256	





	Crystalline silica, quartz	14808-60-7	100.00000	13.12665	
	Hydrochloric acid	7647-01-0	30.00000	0.03906	
	Acrylamide acrylate polymer	Proprietary	30.00000	0.01315	
	Inorganic salt	Proprietary	30.00000	0.01315	
	Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01315	
	Guar gum	9000-30-0	100.00000	0.01268	
	Methanol	67-56-1	100.00000	0.00428	
	Phosphoric Acid Salt	Proprietary	30.00000	0.00395	
	Glutaraldehyde	111-30-8	30.00000	0.00258	
	Sodium chloride	7647-14-5	5.00000	0.00066	
	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00043	
	Ammonium persulfate	7727-54-0	100.00000	0.00025	
	Ethanol	64-17-5	1.00000	0.00009	
	Oxylated phenolic resin	Proprietary	30.00000	0.00007	
	Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00007	
	Modified thiourea polymer	Proprietary	30.00000	0.00007	
	Formaldehyde	50-00-0	0.10000	0.00001	
	Hexadecene	629-73-2	5.00000	0.00001	
	Ethoxylated alcohols	Proprietary	5.00000	0.00001	
	Propargyl alcohol	107-19-7	5.00000	0.00001	
	Phosphoric acid	7664-38-2	0.10000	0.00001	
	C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	

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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)

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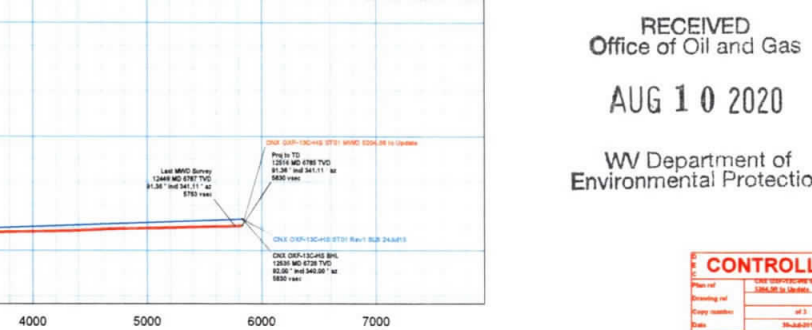
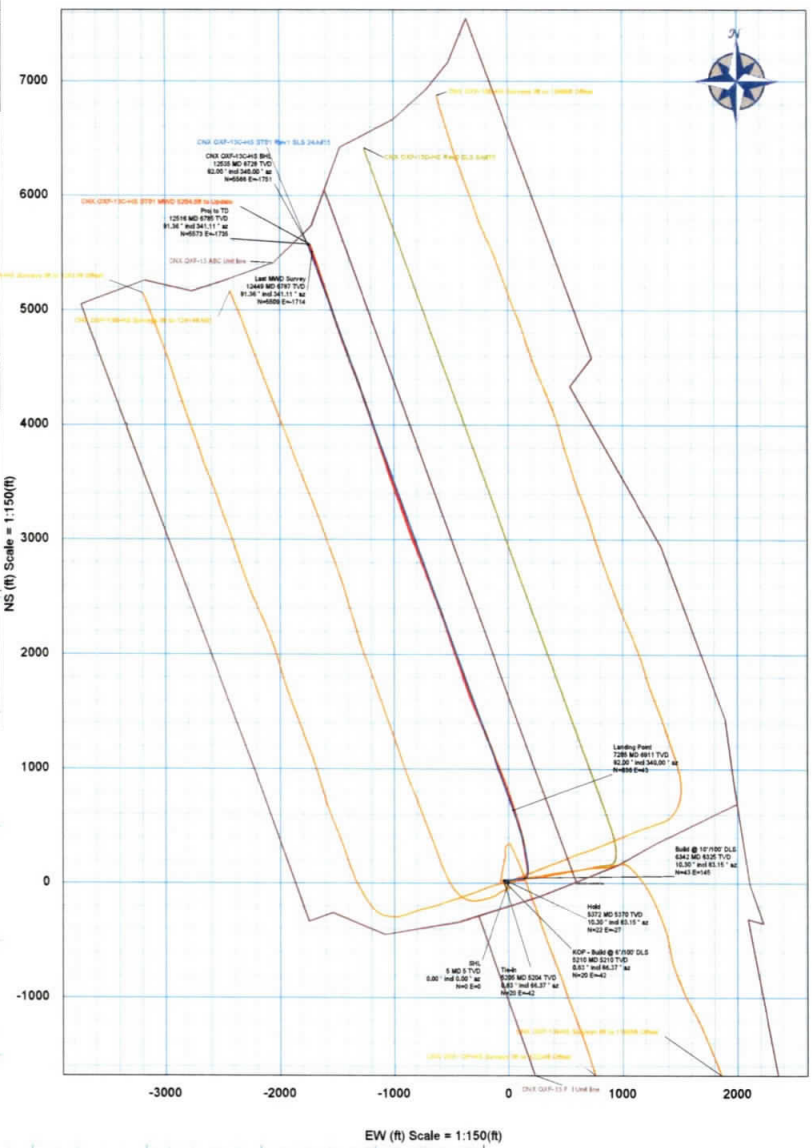
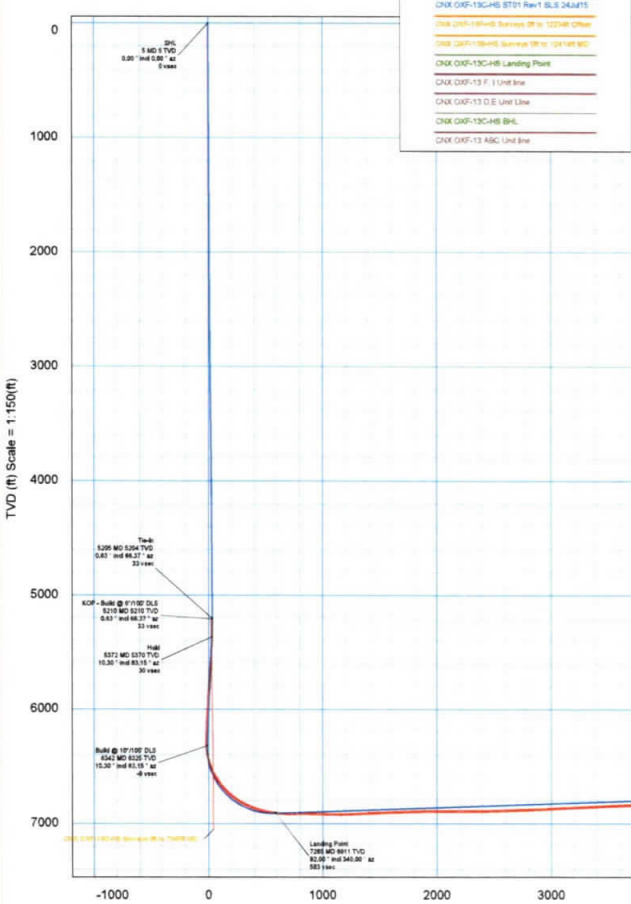
**Borehole:** ST01      **Well:** OXF-13C-HS      **Field:** WV Doddridge Co (NAD 27)      **Structure:** Patterson 805

**Gravity & Magnetic Parameters**  
 Model: HDGM 2015    Dip: 66.626°    Date: 21-Jul-2016    Surface Location: NAD27 West Virginia State Plane, Northern Zone, US Feet  
 MagDec: -7.8°    FS: 52231.856mT    Gravity FS: 999.301mgm (8.80665 Based)    Lat: N 39 10 7.30    Northing: 246009.169mUS    Grid Conv: -0.7966°    Slot: OXF-13C-HS    TVD Ref: KB(1161.08m above MSL)  
 Miscellaneos: Plan: CNX OXF-13C-HS ST01 MWD \$204.8r to Update    Easting: 1646213.559mUS    Scale Fact: 0.99997239

Surface Location		Grid Coord		W in 44 82.19		Vier Azimuth		348	
Northing	Easting	Latitude	Longitude	W in 44	82.19	Vier Azimuth	348	Local Count	
246009.169	1646213.559	N 39 10 7.30	W 80 44 51.34	246012.11	1646223.38	1191.08	-4.91	2.85	18.82
246009.169	1646213.559	N 39 10 7.33	W 80 44 51.34	246012.11	1646223.38	1191.08	-4.91	2.85	18.82
246009.169	1646213.559	N 39 10 7.27	W 80 44 52.04	246008.58	1646193.82	1191.08	4.10	-2.78	-18.84
246009.169	1646213.559	N 39 10 14.30	W 80 44 52.38	246778.20	1646208.80	6805.00	724.31	768.04	-4.78
246009.169	1646213.559	N 39 11 2.87	W 80 45 15.41	251578.38	1646452.69	6805.00	828.81	868.39	-179.12

PART	Seq	Survey Tool	Vendor/Tool	Rate Size	Casing Size	MD From	MD To	Survey Frequency	BOU Size	EDU Size	Comments/Contingency
1	1	SLB_NSG-MSHOT-Cover Only		17.0	13.375	8	4.5	Ad Stm	0.73	0.73	
1	2	SLB_NSG-MSHOT-Cover Only		17.0	13.375	4.5	28	Ad Stm	0.73	0.73	
1	3	SLB_NSG-MSHOT		17.0	13.375	28	1064.5	Ad Stm	2.58	1.27	
1	4	SLB_NSG-MSHOT		12.25	8.625	1064.5	2095.5	Ad Stm	8.57	2.85	
1	5	SLB_NSG-MSHOT		8.75	5.5	2095.5	3264.5	Ad Stm	12.42	2.58	
1	6	SLB_MWD-4TD		8.5	5.5	3264.5	12449	Ad Stm	184.84	11.45	
1	7	SLB_SLND-TREND		8.5	5.5	12449	12516	Ad Stm	185.53	14.55	

Critical Point	MD	BHL	AZIM	TVD	WBC	WVW	WVW	DLS
Track	5264.00	0.43	84.57	5264.11	33.32	18.89	-40.49	
Last MWD Survey	12449.00	91.36	341.11	6798.71	5783.21	898.33	-1713.72	6.30
Profile TD	12516.00	91.36	341.11	6798.72	5805.17	892.23	-1735.65	6.30



Vertical Section (ft) Azim = 340° Scale = 1:150(ft) Origin = 0N-S, 0E-W

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**CONTROLLED**

Revision: 1  
 Drawing ref: 1294.00 to Update  
 Project number: 443  
 Date: 06/24/2015  
 Drawn by: E. Blanton  
 City number: 44

LATITUDE 39°12'30"

11,148'

1,148' TO BOTTOM HOLE  
LATITUDE 39°12'30"

LONGITUDE 80°45'00"

14,405'

8,858' TO BOTTOM HOLE

LONGITUDE 80°42'30"

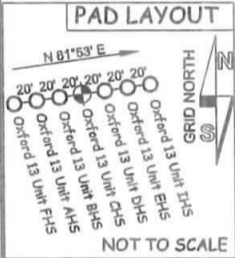
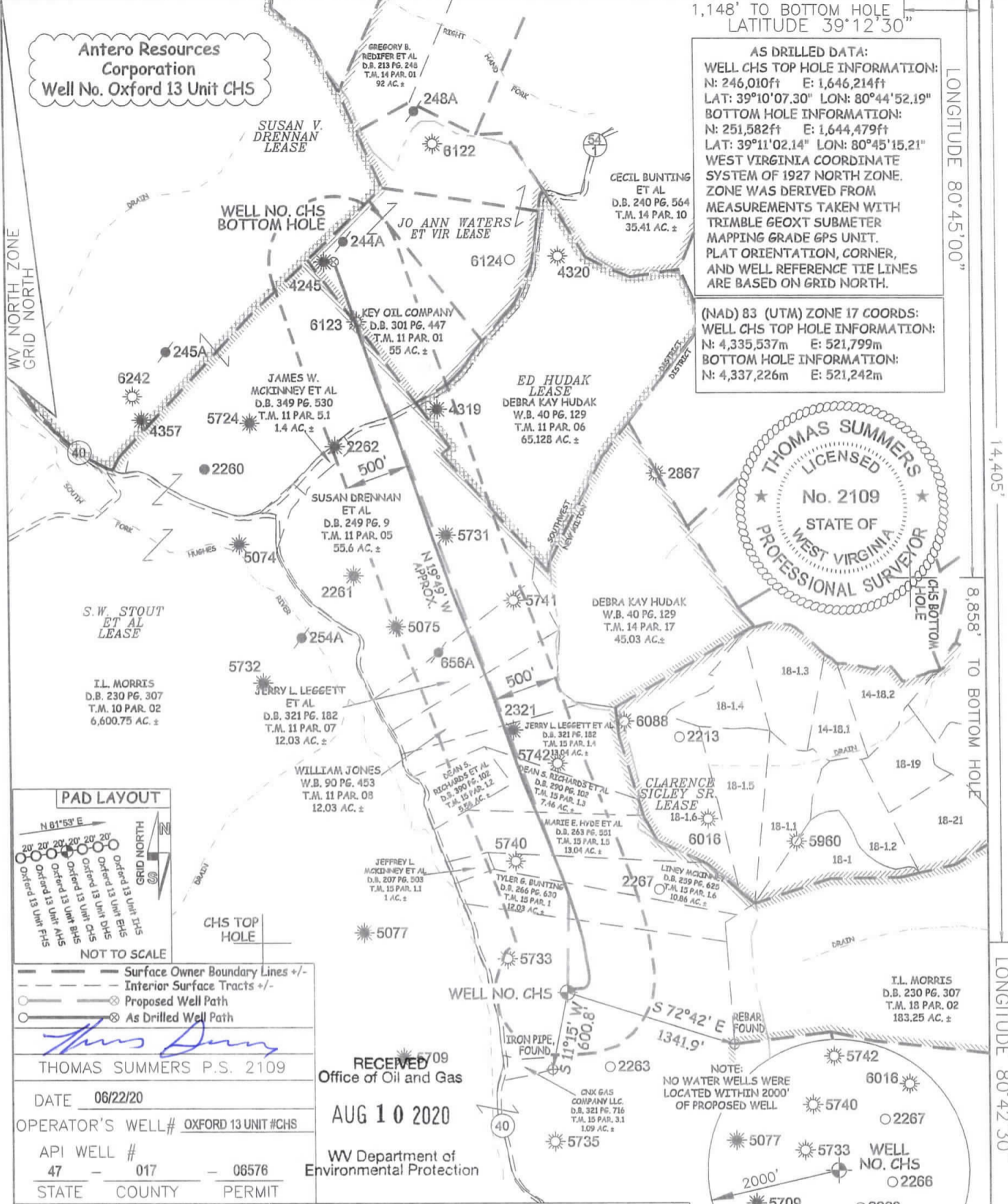
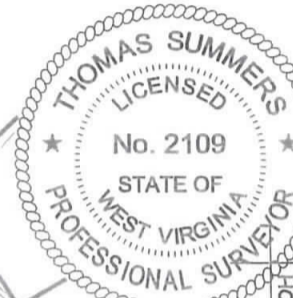
COUNTY NAME

PERMIT

Antero Resources Corporation  
Well No. Oxford 13 Unit CHS

AS DRILLED DATA:  
WELL CHS TOP HOLE INFORMATION:  
N: 246,010ft E: 1,646,214ft  
LAT: 39°10'07.30" LON: 80°44'52.19"  
BOTTOM HOLE INFORMATION:  
N: 251,582ft E: 1,644,479ft  
LAT: 39°11'02.14" LON: 80°45'15.21"  
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.

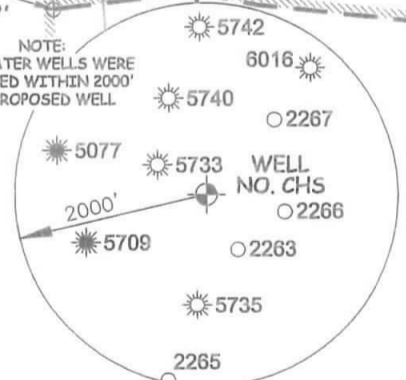
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL CHS TOP HOLE INFORMATION:  
N: 4,335,537m E: 521,799m  
BOTTOM HOLE INFORMATION:  
N: 4,337,226m E: 521,242m



Surface Owner Boundary Lines +/-  
Interior Surface Tracts +/-  
Proposed Well Path  
As Drilled Well Path

THOMAS SUMMERS P.S. 2109  
DATE 06/22/20  
OPERATOR'S WELL# OXFORD 13 UNIT #CHS  
API WELL # 47 - 017 - 06576  
STATE COUNTY PERMIT

RECEIVED  
Office of Oil and Gas  
AUG 10 2020  
WV Department of Environmental Protection



- NOTE: NO WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL
- 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 ANTERO RESOURCES CORPORATION.
- 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.



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

JOB # 20-005WA  
DRAWING # OXFORD13CHSAD  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 1,152' - AS BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK

QUADRANGLE TH - NEW MILTON 7.5' BH - OXFORD 7.5' DISTRICT SOUTHWEST COUNTY DODDRIDGE  
SURFACE OWNER I. L. MORRIS ACREAGE 6,600.75 ACRES  
OIL & GAS ROYALTY OWNER S. W. STOUT ET AL; JO ANN WATERS ET VIR LEASE ACREAGE 1,427 ACRES±; 180 ACRES±

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_  
PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL  
(SPECIFY) AS DRILLED PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,785' TVD 12,516' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313