



Antero Resources
1615 Wynkoop Street
Denver, CO 80202
Office 303.357.7310
Fax 303.357.7315

April 30, 2020

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

To Whom It May Concern:

Please find enclosed the Well Operator's Report of Well Work, Form WR-35 (including As-Drilled Survey Plat, Directional Survey and FracFocus report), Discharge Monitoring Report Form WR-34 and corresponding logs for the following wells off of the **Oxford 97 Pad**:

- Oxford 97 AHS
- Oxford 97 BHS
- Oxford 97 CHS
- Oxford 97 DHS
- Oxford 97 EHS
- Oxford 97 FHS
- Oxford 97 GHS
- Oxford 97 HHS

If you have any questions, please feel free to contact me at (303)-357-7223.

Sincerely,

A handwritten signature in black ink, appearing to read "Megan Griffith", with a long horizontal flourish extending to the right.

Megan Griffith
Permitting Agent
Antero Resources Corporation

Enclosures

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

API 47 - 017 - 06584 County Doddridge District West Union
Quad Oxford 7.5' Pad Name Oxford 97 Pad Field/Pool Name -----
Farm name Haessly Land & Timber LLC Well Number Oxford 97 FHS
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 4342658m Easting 516947m
Landing Point of Curve Northing 4343081.49m Easting 517134.40m
Bottom Hole Northing 4346372m Easting 515590m

Elevation (ft) 1333' 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 3/15/2019 Date drilling commenced 3/26/2019 Date drilling ceased 6/10/2019
Date completion activities began 10/5/2019 Date completion activities ceased 11/19/2019
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 108', 505' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1378', 1544' Void(s) encountered (Y/N) depths No
Coal depth(s) ft None Identified Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

API 47- 017 - 06584 Farm name Haessly Land & Timber LLC Well number Oxford 97 FHS

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"	59'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	890'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2989'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	16120'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7068'		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 ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	214 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	631 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	890 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	675sx (Lead) 2448sx (Tail)	14.5 (Lead), 15.2 (Tail)	1.40 (Lead), 1.26 (Tail)		-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 20115' MD ,6969' TVD (BHL), 6970' (Deepest Point Drilled) Loggers TD (ft) 20115' 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

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 47-017-06584 Farm Name Haessly Land & Timber LLC Well Number Oxford 97 FHS

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	11/9/2019	9743	9578.4	60	Marcellus
2	11/9/2019	9543.08	9378.48	60	Marcellus
3	11/10/2019	9343.16	9178.56	60	Marcellus
4	11/10/2019	9143.24	8978.64	60	Marcellus
5	11/10/2019	8943.32	8778.72	60	Marcellus
6	11/12/2019	8743.4	8578.8	60	Marcellus
7	11/13/2019	8543.48	8378.88	60	Marcellus
8	11/13/2019	8343.56	8178.96	60	Marcellus
9	11/13/2019	8143.64	7979.04	60	Marcellus
10	11/14/2019	7943.72	7779.12	60	Marcellus
11	11/15/2019	7743.8	7579.2	60	Marcellus
12	11/15/2019	7543.88	7379.28	60	Marcellus
13	11/15/2019	7343.96	7179.36	60	Marcellus

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	11/9/2019	84.37475	7283.885	6512	3419	400700	7236.65	N/A
2	11/9/2019	86.01385	6966.311	7336	3366	400850	7029.41	N/A
3	11/10/2019	87.38266	7241.948	4920	2957	400100	7022.87	N/A
4	11/10/2019	85.59681	7005.792	5203	3353	401350	6992.07	N/A
5	11/10/2019	84.99092	7445.67	6310	3264	400450	6992.78	N/A
6	11/12/2019	79.22144	7325.876	8745	3536	400650	7037.48	N/A
7	11/13/2019	83.78748	7788.81	5986	3705	401050	6961.36	N/A
8	11/13/2019	87.17419	7097.848	5762	4018	401450	6937.3	N/A
9	11/13/2019	86.8792	7271.63	5289	4073	400900	6947.76	N/A
10	11/14/2019	84.37392	7113.451	6337	3928	400300	6970.13	N/A
11	11/15/2019	86.64112	7720.945	6304	3895	400400	6935.395	N/A
12	11/15/2019	84.79068	7212.933	6596	4408	400100	6888.84	N/A
13	11/15/2019	86.2237	7410.834	5986	3692	400800	6931.29	N/A
	AVG	85.2	7,299	6,253	3,663	5,209,100	90,883	TOTAL

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	60		160		60		160	
Sandstone	160		270		160		270	
Silty sandstone tr coal	270		320		270		320	
Shaly siltstone tr coal	320		530		320		530	
Shaly siltstone	530		640		530		640	
Silty Sandstone	640		790		640		790	
Silty sandstone	790		860		790		860	
Silty Sandstone	860		1,070		860		1,070	
Siltstone	1,070		1,260		1,070		1,260	
Siltstone tr coal	1,260		1,425		1,260		1,425	
Sandstone tr coal	1,425		1,750		1,425		1,750	
Shaly siltstone tr coal	1,750		1,790		1,750		1,790	
Silty sandstone tr coal	1,790		1,974		1,790		N/A	
Big Lime	1,974		2,678		1,974		2,678	
Fifty Foot Sandstone	2,678		2,734		2,678		2,734	
Gordon	2,734		3,013		2,734		3,013	
Fifth Sandstone	3,013		3,066		3,013		3,067	
Bayard	3,066		3,840		3,067		3,856	
Speechley	3,840		4,101		3,856		4,138	
Balltown	4,101		4,578		4,138		4,650	
Bradford	4,578		5,019		4,650		5,122	
Benson	5,019		5,284		5,122		5,406	
Alexander	5,284		6,575		5,406		6,816	
Sycamore	6,390		6,557		6,613		6,798	
Middlesex	6,557		6,686		6,816		6,991	
Burkett	6,686		6,715		7,009		7,049	
Tully	6,715		6,752		7,067		7,139	
Marcellus	6,752		NA		7,139		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.

Location: Doddridge Co., WV
 Field: Doddridge
 Facility: OXF-97_Pad

Slot: Slot F
 Well: OXF-97F-HS
 Wellbore: OXF-97E-HS PWB

For reference weights in OXF-97F-HS PWB Run-A-D
 True vertical depths are referenced to Precision 543 (RKB)
 Measured depths are referenced to Precision 543 (RKB)
 Precision 543 (RKB) to Mean Sea Level: 1351.41 feet
 Mean Sea Level to Mud line (At Slot: Slot F): -1333.41 feet
 Coordinates are in feet referenced to SPA

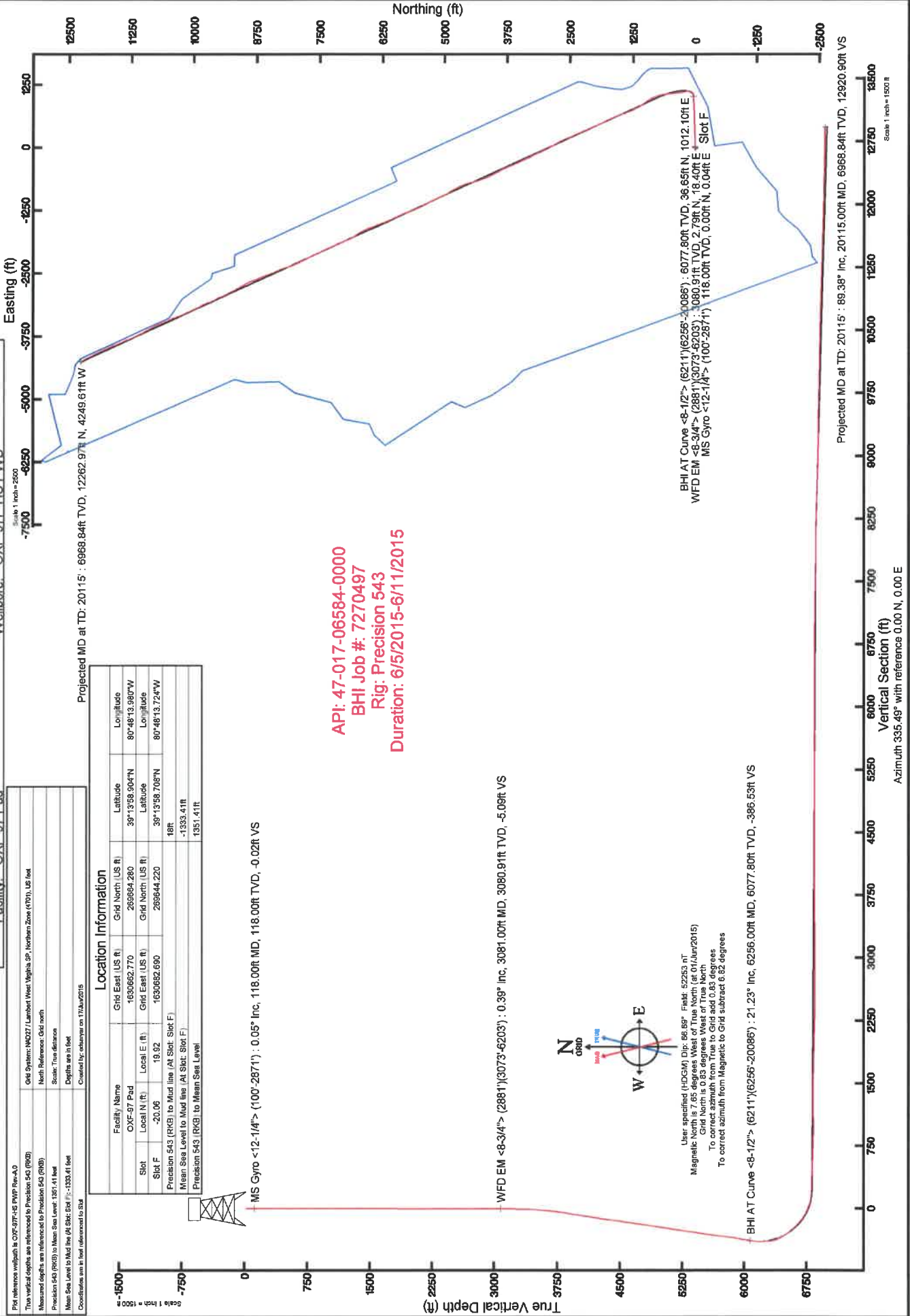
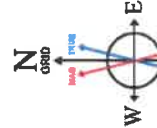
Location Information			
Facility Name	OXF-97 Pad	Grid East (US ft)	269664.280
Grid North (US ft)	1630682.770	Latitude	39°13'58.904"N
Local N (ft)	Local E (ft)	Grid North (US ft)	269664.220
Slot	Slot F	Latitude	39°13'58.708"N
Mean Sea Level to Mud line (At Slot: Slot F)	18ft	Grid East (US ft)	80°46'13.724"W
Precision 543 (RKB) to Mean Sea Level	-1333.41ft	Latitude	80°46'13.724"W

MS Gyro <12-1/4"> (100°-287'1") : 0.05° Inc, 118.00ft MD, 118.00ft TVD, -0.02ft VS

WFD EM <8-3/4"> (2881°)(3073'-6203') : 0.39° Inc, 3081.00ft MD, 3080.91ft TVD, -5.06ft VS

BHI AT Curve <8-1/2"> (6211°)(6256'-20085') : 2.23° Inc, 6256.00ft MD, 6077.80ft TVD, -386.53ft VS

User specified (HDCM) Dip: 86.89° Field: 52253 nt
 Magnetic North is 7.65 degrees West of True North (at 01/Jun/2015)
 Grid North is 0.83 degrees West of True North
 To correct azimuth from True to Grid add 0.83 degrees
 To correct azimuth from Magnetic to Grid subtract 6.82 degrees



API: 47-017-06584-0000
 BHI Job #: 7270497
 Rig: Precision 543
 Duration: 6/5/2015-6/11/2015

Projected MD at TD: 20115 : 6968.84ft TVD, 12262.97ft N, 4249.61ft W
 Projected MD at TD: 20115 : 89.38° Inc, 20115.00ft MD, 6968.84ft TVD, 12920.90ft VS
 Vertical Section (ft)
 Azimuth 335.49° with reference 0.00 N, 0.00 E
 Scale 1 inch = 1500 ft

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Company Name: Antero Resources Corporation
API No: 47-017-06584 County: Doddridge
District: West Union Well No: OXFD97 FHS
Farm Name: Haessly Land & Timber, LLC
Discharge Date/s From:(MMDDYY) 12/27/19 To: (MMDDYY) 01/26/20
Discharge Times. From: 0:00 To: 24:00
Total Volume to be Disposed from this facility (gallons): 1,304,420

Disposal Option(s) Utilized (write volumes in gallons):

- (1) Land Application: _____ (Include a topographical map of the Area.)
(2) UIC: 101,119 Permit No. 3400923821, 3400923823, 3400923824, 3416729731, 3410523652, 3410523619, 4708509721, 3416729543, 3416729464, 3416729445
(3) Offsite Disposal: _____ Site Location: _____
(4) Reuse: 1,203,301 Alternate Permit Number: _____
(5) Centralized Facility: _____ Permit No. _____
(6) Other method: _____ (Include an explanation)

Follow Instructions below to determine your treatment category:

Optional Pretreatment test: n/a Cl- mg/l n/a DO mg/l


1. Do you have permission to use expedited treatment from the Director or his representative?
(Y/N) n/a If yes, who? _____ and place a four (4) on line 7.
If not go to line 2
2. Was Frac Fluid or flowback put into the pit? (Y/N) n/a If yes, go to line 5. If not, go to line 3.
3. Do you have a chloride value pretreatment (see above)? (Y/N) n/a If yes, go to line 4
If not, go to line 5.
4. Is the Chloride level less than 5000 mg/l? (Y/N) n/a If yes, then enter a one (1) on line 7.
5. Do you have a pretreatment value for DO? (See above) (Y/N) n/a If yes, go to line 6
If not, enter a three (3) in line 7.
6. Is the DO level greater than 2.5 mg/l? (Y/N) n/a If yes, enter a two (2) on line 7. If not, enter a three (3) on line 7.
7. n/a is the category of your pit. Use the Appropriate section.
8. Comments on Pit condition: n/a No Pit on site.

Name of Principal Exec. Officer: Gretchen Kohler

Title of Officer: Senior Environmental and Regulatory Manager

Date Completed: 3/16/20

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.


Signature of a Principal Exec. Officer or Authorized agent.

Category 1
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	5	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl	5,000	_____	5,000	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

*** Al is only reported if the pH is above 9.0

Category 2
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	10	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____

** Include a description of your aeration technique. Aeration Code: _____

*** Al is only reported if the pH is above 9.0

Category 3
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	20	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____
 ** Include a description of your aeration technique. Aeration Code: _____
 *** Al is only reported if the pH is above 9.0.

Category 4
Sampling Results
API No: _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	1	_____	N/A	N/A	Days
Fe	Monitor	_____	Monitor	_____	mg/l
D.O.	Monitor	_____	Monitor	_____	mg/l
Settleable Sol.	Monitor	_____	Monitor	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Activated Carbon (0.175)		_____	N/A	N/A	lb/B1
Date Site Reclaimed	N/A	N/A			10 days from dis.
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____

LATITUDE 39°15'00"

3,441'

LATITUDE 39°17'30"

LONGITUDE 80°47'30"

6,202'

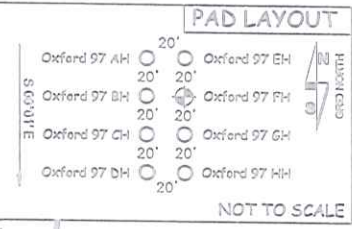
LONGITUDE 80°47'30"

9,179' TO BOTTOM HOLE

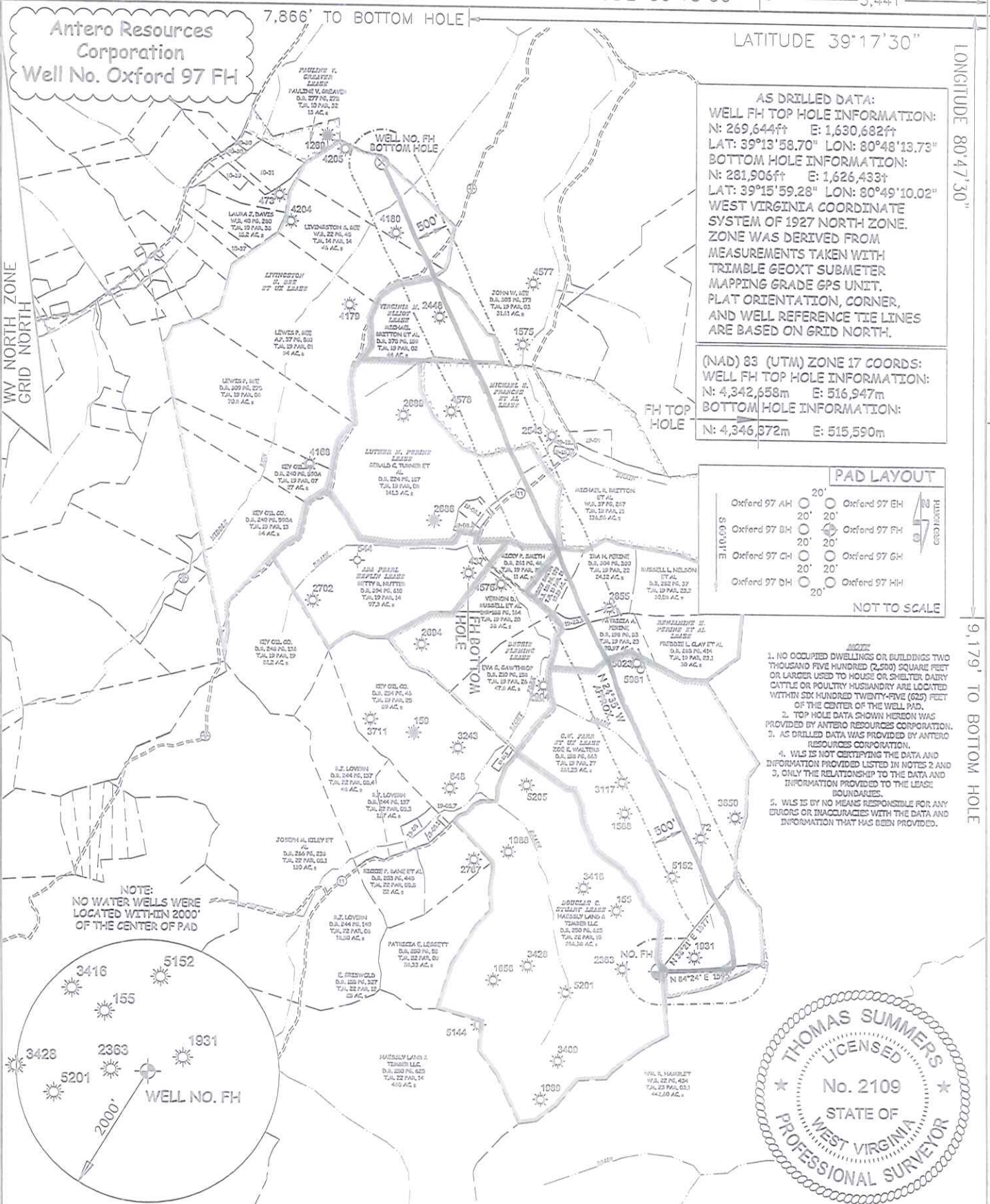
Antero Resources Corporation
Well No. Oxford 97 FH

AS DRILLED DATA:
 WELL FH TOP HOLE INFORMATION:
 N: 269,644ft E: 1,630,682ft
 LAT: 39°13'58.70" LON: 80°48'13.73"
 BOTTOM HOLE INFORMATION:
 N: 281,906ft E: 1,626,433ft
 LAT: 39°15'59.28" LON: 80°49'10.02"
 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 FH TOP HOLE INFORMATION:
 N: 4,342,658m E: 516,947m
 BOTTOM HOLE INFORMATION:
 N: 4,346,872m E: 515,590m



- 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 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.



NOTE:
NO WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD



JOB # 19-002WA
 DRAWING # OXFORD97FH
 SCALE 1" = 2000'
 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.



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 +/-
 ○ Proposed Well Path
 ⊙ As Drilled Well Path

THOMAS SUMMERS P.S. 2109
 DATE 04/07/20
 OPERATOR'S WELL# OXFORD 97 FH

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 1,333' AS BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE OXFORD 7.5' (THL) - WEST UNION 7.5' (BHL) DISTRICT WEST UNION COUNTY DODDRIDGE

API WELL # 47 - 017 - 06584
 STATE COUNTY PERMIT

SURFACE OWNER HAESSLY LAND & TIMBER LLC
 OIL & GAS ROYALTY OWNER DOUGLAS C. STUART; G. W. FARR ET UX;
 BENJAMINE H. PERINE ET AL; DESSIE FLEMMING; LUTHER M. PERINE;
 MICHAEL S. FRANCES ET AL; VIRGINIA M. ELLIOTT; LIVINGSTON S. BEE ET UX

ACREAGE 266.38 ACRES +/-
 LEASE ACREAGE 266 AC±; 262 AC±;
 122 AC±; 96.8 AC±; 146.5 AC±;
 173 AC±; 44 AC±; 356.5 AC±

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
 TARGET FORMATION MARCELLUS PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
 WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 6,989' TVD 20,115' MD
 ADDRESS 1615 WYNKOOP STREET DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM

ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

FORM WW-6 DENVER, CO 80202

COUNTY NAME PERMIT