

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

API 47 - 095 - 02699 County Tyler District Ellsworth
Quad Porter Falls Pad Name Pyles Pad Field/Pool Name -----
Farm name Richard D Pyles Well Number Prosper 1H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop St 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 4372720m Easting 514002m
Landing Point of Curve Northing 4372147.60m Easting 514501.94m
Bottom Hole Northing 4368728m Easting 515697m

Elevation (ft) 1081' 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 06/05/2020 Date drilling commenced 8/10/2020 Date drilling ceased 10/14/2020
Date completion activities began 11/14/2020 Date completion activities ceased 2/17/2021
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 61 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2200 Void(s) encountered (Y/N) depths N
Coal depth(s) ft None Identified Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

Reviewed by: [Signature]
03/17/2023

API 47-095 - 02699 Farm name Richard D Pyles Well number Prosper 1H

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"	80'	New	94# H-40	N/A	Y
Surface	17-1/2"	13-3/8"	346'	New	54.5# J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2607'	New	36# J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"	5-1/2"	20923'	New	20# P-110	N/A	Y
Tubing		2-3/8"	6880'		4.7# P-110		
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	285 sx	15.6	1.18	60	0	8 Hrs
Surface	Class A	430 sx	15.6	1.20	93	0	8 Hrs
Coal							
Intermediate 1	Class A	883 sx	15.6	1.19	187	0	8 Hrs
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 3314 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.26 (Tail)	744	~500' into Intermediate Casing	8 Hrs
Tubing							

Drillers TD (ft) 20968' MD, 6712' TVD (BHL), 6716' (Deepest Point Drilled) Loggers TD (ft) 20968' MD

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

Plug back procedure N/A

Kick off depth (ft) 5960'

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 ever 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 on 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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03/17/2023

API 47-095 - 02699 Farm name Richard D Pyles Well number Prosper 1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
*PLEASE SEE ATTACHED 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 ATTACHED EXHIBIT 2								

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Please insert additional pages as applicable.

03/17/2023
Smiley
01/16/23

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	11/14/2020	20846.4	20799.7	60	Marcellus
2	11/15/2020	20760.66789	20593.5074	60	Marcellus
3	11/15/2020	20557.67525	20390.5147	60	Marcellus
4	11/15/2020	20354.6826	20187.5221	60	Marcellus
5	11/16/2020	20151.68995	19984.5294	60	Marcellus
6	11/16/2020	19948.6973	19781.5368	60	Marcellus
7	11/16/2020	19745.70466	19578.5441	60	Marcellus
8	11/17/2020	19542.71201	19375.5515	60	Marcellus
9	11/17/2020	19339.71936	19172.5588	60	Marcellus
10	11/17/2020	19136.72672	18969.5662	60	Marcellus
11	11/17/2020	18933.73407	18766.5735	60	Marcellus
12	11/18/2020	18730.74142	18563.5809	60	Marcellus
13	11/18/2020	18527.74877	18360.5882	60	Marcellus
14	11/18/2020	18324.75613	18157.5956	60	Marcellus
15	11/18/2020	18121.76348	17954.6029	60	Marcellus
16	11/19/2020	17918.77083	17751.6103	60	Marcellus
17	11/19/2020	17715.77819	17548.6176	60	Marcellus
18	11/19/2020	17512.78554	17345.625	60	Marcellus
19	11/19/2020	17309.79289	17142.6324	60	Marcellus
20	11/19/2020	17106.80025	16939.6397	60	Marcellus
21	11/20/2020	16903.8076	16736.6471	60	Marcellus
22	11/20/2020	16700.81495	16533.6544	60	Marcellus
23	11/20/2020	16497.8223	16330.6618	60	Marcellus
24	11/20/2020	16294.82966	16127.6691	60	Marcellus
25	11/20/2020	16091.83701	15924.6765	60	Marcellus
26	11/21/2020	15888.84436	15721.6838	60	Marcellus
27	11/21/2020	15685.85172	15518.6912	60	Marcellus
28	11/21/2020	15482.85907	15315.6985	60	Marcellus
29	11/22/2020	15279.86642	15112.7059	60	Marcellus
30	11/22/2020	15076.87377	14909.7132	60	Marcellus
31	11/23/2020	14873.88113	14706.7206	60	Marcellus
32	11/23/2020	14670.88848	14503.7279	60	Marcellus
33	11/24/2020	14467.89583	14300.7353	60	Marcellus
34	11/24/2020	14264.90319	14097.7426	60	Marcellus
35	11/25/2020	14061.91054	13894.75	60	Marcellus
36	11/25/2020	13858.91789	13691.7574	60	Marcellus
37	11/25/2020	13655.92525	13488.7647	60	Marcellus
38	11/25/2020	13452.9326	13285.7721	60	Marcellus
39	11/26/2020	13249.93995	13082.7794	60	Marcellus
40	11/26/2020	13046.9473	12879.7868	60	Marcellus
41	11/28/2020	12843.95466	12676.7941	60	Marcellus
42	11/28/2020	12640.96201	12473.8015	60	Marcellus
43	11/28/2020	12437.96936	12270.8088	60	Marcellus
44	11/29/2020	12234.97672	12067.8162	60	Marcellus
45	11/29/2020	12031.98407	11864.8235	60	Marcellus
46	11/30/2020	11828.99142	11661.8309	60	Marcellus
47	11/30/2020	11625.99877	11458.8382	60	Marcellus
48	12/1/2020	11423.00613	11255.8456	60	Marcellus
49	12/1/2020	11220.01348	11052.8529	60	Marcellus
50	12/2/2020	11017.02083	10849.8603	60	Marcellus
51	12/2/2020	10814.02819	10646.8676	60	Marcellus
52	12/3/2020	10611.03554	10443.875	60	Marcellus
53	12/3/2020	10408.04289	10240.8824	60	Marcellus
54	12/4/2020	10205.05025	10037.8897	60	Marcellus
55	12/4/2020	10002.0576	9834.89706	60	Marcellus
56	12/5/2020	9799.064951	9631.90441	60	Marcellus
57	12/5/2020	9596.072304	9428.91176	60	Marcellus
58	12/5/2020	9393.079657	9225.91912	60	Marcellus
59	12/5/2020	9190.08701	9022.92647	60	Marcellus
60	12/5/2020	8987.094363	8819.93382	60	Marcellus
61	12/6/2020	8784.101716	8616.94118	60	Marcellus
62	12/6/2020	8581.109069	8413.94853	60	Marcellus
63	12/6/2020	8378.116422	8210.95588	60	Marcellus
64	12/6/2020	8175.123775	8007.96324	60	Marcellus
65	12/6/2020	7972.131127	7804.97059	60	Marcellus
66	12/6/2020	7769.13848	7601.97794	60	Marcellus
67	12/7/2020	7566.145833	7398.98529	60	Marcellus
68	12/7/2020	7363.153186	7195.99265	60	Marcellus
69	12/7/2020	7160.160539	6993	60	Marcellus

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EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	(SIP) (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	11/14/2020	66.87	8277.28	8387.4	3779.16	183760	218843	N/A
2	11/15/2020	80.45	8554	6017	4664	374680	311381	N/A
3	11/15/2020	82.92	8461	6417	4790	414850	315176	N/A
4	11/15/2020	78.29	8335	5197	4554	416590	311745	N/A
5	11/16/2020	82.12	8451	4936	4435	418680	315211	N/A
6	11/16/2020	80.44	8366	5123	4448	417000	319053	N/A
7	11/16/2020	82.71	8805	6081	4251	418970	298431	N/A
8	11/17/2020	80.92	8538	6183	4120	421250	296569	N/A
9	11/17/2020	82.3	8437	5933	4606	421680	325585	N/A
10	11/17/2020	81.87	8425	5848	4303	418500	300581	N/A
11	11/17/2020	62.92	8538	6119	4317	418280	327870	N/A
12	11/18/2020	71.36	8444	5823	4213	416810	298224	N/A
13	11/18/2020	81.71	8507	5679	4244.47	419190	296475	N/A
14	11/18/2020	65.37	8286	6310	4407	416680	385355	N/A
15	11/18/2020	82.26	8282	6025	4157	418100	297353	N/A
16	11/19/2020	76.34	7978	4688	4423	421080	301522	N/A
17	11/19/2020	82.59	8443	6023	4222	414060	297235	N/A
18	11/19/2020	80.17	8428	6000	4396	416120	294312	N/A
19	11/19/2020	83.42	8474	6925	4220	418665	293404	N/A
20	11/19/2020	84.26	8393	6787	4016	415010	288777	N/A
21	11/20/2020	81.13	8137	7644	4504	413470	287694	N/A
22	11/20/2020	86.21	8378	6980	4499	415390	287270	N/A
23	11/20/2020	91.66	8558	7637	4404	416470	291121	N/A
24	11/20/2020	92.98	8623	7391	4360	416410	290388	N/A
25	11/20/2020	92.91	8763	7095	4173	414980	291001	N/A
26	11/21/2020	90.92	8750	8360	3785	415390	291466	N/A
27	11/21/2020	94.44	8602	7078	4116	417600	292098	N/A
28	11/21/2020	93.1	8486	6093	4133	418850	291819	N/A
29	11/22/2020	90.91	8394	7733	4155	420520	293842	N/A
30	11/22/2020	91.03	8385	7013	3751	422020	295677	N/A
31	11/23/2020	91.04	8665	7299	4204	415020	287835	N/A
32	11/23/2020	92.12	8729	7122	3413	419050	292887	N/A
33	11/24/2020	61.2	8121		3605	415620	351786	N/A
34	11/24/2020	93.74	8436		3952	418240	295394	N/A
35	11/25/2020	95.85	8571		3931	411340	289829	N/A
36	11/25/2020	96.18	8644	6603	3174	414690	290740	N/A
37	11/25/2020	95.65	8527	6618	3814	420290	290895	N/A
38	11/25/2020	78.94	8353	8184	3732	419810	297923	N/A
39	11/26/2020	91.65	8048	6639	3893	415260	294589	N/A
40	11/26/2020	94.07	8401	6735.7	3178.97	417560	293181	N/A
41	11/28/2020	95.92	8702	8471	3500	412430	294419	N/A
42	11/28/2020	89.93	8765.17	7284.4	3237.33	415500	291285	N/A
43	11/28/2020	96.17	8441	7326	3353	412870	290934	N/A
44	11/29/2020	90.42	8364	6896	8364	410800	286656	N/A
45	11/29/2020	92.84	8534	6553	3599	421890	281663	N/A
46	11/30/2020	95.74	8348	7009	3420	414210	284290	N/A
47	11/30/2020	95.9	8181	6745	3884	420740	275135	N/A
48	12/1/2020	93.61	7998		3921	416860	284410	N/A
49	12/1/2020	92.29	7657		3911	411920	304180	N/A
50	12/2/2020	95.8	7967	6227	4031	419660	307714	N/A
51	12/2/2020	95.41	8108	6657	4129	416890	303915	N/A
52	12/3/2020	90.24	7546	6308	4011	414460	300740	N/A
53	12/3/2020	94.44	8109	7334	3832	414170	304145	N/A
54	12/4/2020	96.38	8342	6902	3941	412220	305888	N/A
55	12/4/2020	92.8	7684	6052	3782	411870	301478	N/A
56	12/5/2020	75.55	7904	8226	4207	413280	376001	N/A
57	12/5/2020	94.48	7601	6135	4734	414140	302507	N/A
58	12/5/2020	94.09	7863	6194	4628	414410	302554	N/A
59	12/5/2020	93.7	7679	6253	4415	413520	303764	N/A
60	12/5/2020	82.8	7672	6893	4048	413810	397415	N/A
61	12/6/2020	93.19	7293	6106	4296	414230	314512	N/A
62	12/6/2020	93.38	7496	5801	4600	418220	311056	N/A
63	12/6/2020	94.52	7579	6102	4655	410710	301243	N/A
64	12/6/2020	93.28	7376		4057	416560	302866	N/A
65	12/6/2020	91.4	7093	5892	3777	411980	303521	N/A
66	12/6/2020	93.15	7095	6624	4181	417260	305389	N/A
67	12/7/2020	92.42	7153	7605	4201	417550	302179	N/A
68	12/7/2020	93.02	7033	5733	3681	415220	297939	N/A
69	12/7/2020	94.32	7094	5678	3530	411100	305078	N/A
	AVG=	88	8,184	6,599	4,134	28,445,915	#####	TOTAL

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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
Shale	79	124	79	124
Shaley Siltstone	124	474	124	474
Silty Shale	474	574	474	574
Siltstone, Tr Shale	574	724	574	724
Silty Shale	724	824	724	824
Shaley Sandstone	824	1,024	824	1,024
Shale, Tr Siltstone	1,024	1,274	1,024	1,274
Shale, Tr Sandstone	1,274	1,524	1,274	1,524
Silty Shale	1,524	1,624	1,524	1,624
Sandstone, Tr Shale	1,624	1,724	1,624	1,724
Sandy Shale	1,724	1,774	1,724	1,774
Shaley Siltstone	1,774	1,824	1,774	1,824
Shale	1,824	1,967	1,824	1,970
Big Lime	1,993	2,688	1,996	2,691
Fifty Foot Sandstone	2,688	2,799	2,691	2,803
Gordon	2,799	3,108	2,803	3,112
Fifth Sandstone	3,108	3,175	3,112	3,179
Bayard	3,175	4,034	3,179	4,050
Speechley	4,034	4,174	4,050	4,194
Balltown	4,174	4,706	4,194	4,745
Bradford	4,706	4,999	4,745	5,049
Benson	4,999	5,375	5,049	5,440
Alexander	5,375	6,449	5,440	6,600
Sycamore	6,305	6,423	6,426	6,574
Middlesex	6,423	6,520	6,574	6,726
Burkett	6,520	6,547	6,726	6,779
Tully	6,547	6,602	6,779	6,945
Marcellus	6,602	NA	6,945	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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7,346' to Bottom Hole

1,119' to Top Hole

TOP HOLE LATITUDE 39 - 32 - 30
BTM HOLE LATITUDE 39 - 30 - 00

TOP LONGITUDE 80 - 50 - 00
BTM LONGITUDE 80 - 47 - 30

Antero Resources
Well No. Prosper 1H
As-Drilled
Antero Resources Corporation



Wellhead Layout

- Vulcan Unit 1H
47-095-02701
- Vulcan Unit 2H
47-095-02702
As-Drilled
- Prosper Unit 1H
47-095-02699
Prosper Unit 2H
47-095-02700
- Friend Unit 1H
47-095-02695
- Friend Unit 2H
47-095-02696
- Seagrave Unit 1H
47-095-02697
- Seagrave Unit 2H
47-095-02698

GRID NORTH

Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Prosper Unit 1H Top Hole coordinates are
N: 368,454.01' Latitude: 39°30'14.08"
E: 1,622,666.29' Longitude: 80°50'14.28"
Bottom Hole coordinates are
N: 355,261.45' Latitude: 39°28'04.48"
E: 1,628,007.43' Longitude: 80°49'03.68"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,372,720.048m N: 4,368,728.074m
E: 514,002.761m E: 515,697.032m
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, As-drilled data, and information was provided by Antero Resources Corporation. Allegany 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.

Prosper Unit 1H As-Drilled POE Coordinates
West Virginia Coordinate System of 1927, North Zone
N: 368,329.02'
E: 1,623,709.47'
Latitude: 39°30'13.00"
Longitude: 80°50'00.95"
UTM Zone 17, NAD 1983
N: 4,372,687.281m
E: 514,321.203m

	Bearing	Dist.
L1	S 35°08' E	1,247.9'
L2	S 76°19' W	2,066.1'
L3	N 75°02' W	1,525.6'
L4	N 47°03' E	1,176.9'

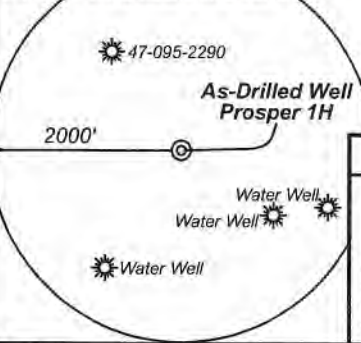


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller

Bradley D. Miller, P.S. 2167

Note: 3 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



Legend

- Proposed gas well
- Found corner, as noted
- Existing Well, as noted
- Digitized Well
- Existing Road
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

FILE NO: 189-54-E-19
DRAWING NO: Prosper Unit 1H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

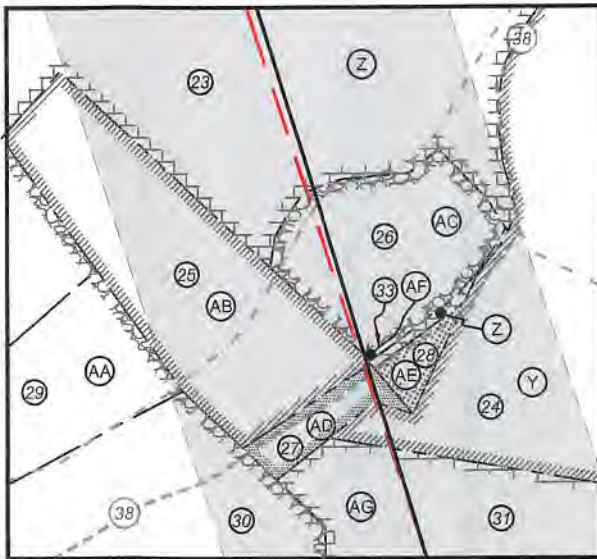
DATE: February 24 20 21
OPERATOR'S WELL NO. Prosper 1H
API WELL NO
47 - 095 - 02699
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1081' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Shirley
DISTRICT: Ellsworth Elizabeth Ann Weekley (2); Bounty Minerals LLC; Lucille Adams; Dale H. Parr; Anthony Bruce Parr, et ux; Nancy L. Mains; Larry Stevens; Wanda J. Parr; COUNTY: Tyler
SURFACE OWNER: Richard D. Pyles Ridgetop Capital II, LP; BRC Appalachian Minerals I, LLC; Carol J. Knapp; ACREAGE: 168.5
ROYALTY OWNER: Richard D. & Cathy J. Pyles (2); Dustin A. Hendershot; Alfred Lonzo Eddy LEASE NO: ACREAGE: 52.938; 8.004; 0.02;
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,712' TVD
20,968' MD

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

03/17/2023



ID	TM/Par	Owner	DB/PG	Acres
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2	16-24	Harry Eastham, et al	AR54/518	64.00
3	16-22	Joseph L. Jr. & Karen Sitko	296/13	81.70
4	16-44	Robert A. Pyles, et al	335/482	87.82
5	16-42.1	Richard D. Pyles	336/815	4.56
6	16-42.2	Bonnie J. Hair	569/105	2.44
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9	16-43	Alfred L. Eddy	344/22	37.10
10	16-40	Gary L. Weekley	WB 22/601	5.79
11	16-38	Antero Resources Corp.	662/782	15.00
12	22-4	Stephen H. & Barbara J. Dunthorn	216/40	69.00
13	22-6	Antero Resources Corp.	662/782	131.57
14	22-5	Antero Resources Corp.	662/782	84.67
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16	22-17	Dorothy Mae Stevens Irrevocable Trust	453/610	82.75
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18	22-38	Bruce & Sandra L. Parr	368/790	113.00
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20	22-23.2	Anthony B. Parr	440/62	17.00
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22	22-23	Anthony B. Parr	440/62	17.00
23	22-35	Marie Eddy	344/358	52.96
24	22-33	Donald & Wilma Weekley	262/587	65.75
25	28-43	Wanda J. Parr	327/435	8.02
26	28-45	Wanda J. Parr	349/18	4.55
27	28-42	Robert H. Anderson	238/76	0.99
28	28-34	Shirl N. Baker, Jr.	WB 38/1	0.50
29	28-32	B.W. Weekley	107/562	33.31
30	28-33	B.W. Weekley	107/562	25.30
31	28-35	Shirl N. Baker, Jr.	WB 38/1	32.00
32	28-36	Jim & Sandra Young	368/797	46.50
33	28-44	Shirl N. Baker, et al	WB 38/1	0.02

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V	Open
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Y	Dale H. Parr
Z	Larry Stevens
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AB	Wanda J. Parr
AC	Elizabeth Ann Weekley
AD	Lucille Adams
AE	Lucille Adams
AF	Elizabeth A. Weekley
AG	Bounty Minerals LLC
AH	Jim & Sandra Young

FILE NO: 189-54-E-19
 DRAWING NO: Prosper Unit 1H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV



DATE: February 24 20 21
 OPERATOR'S WELL NO. Prosper 1H
 API WELL NO
 47 - 095 - 02699
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1081' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Shirley
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Richard D. Pyles ACREAGE: 168.5
 ROYALTY OWNER: Richard D. & Cathy J. Pyles (2); Dustin A. Hendershot; Alfred Lonzo Eddy LEASE NO: _____ ACREAGE: 52.938; 8.004; 0.02;

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 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

03/17/2023

Antero Resources
Well No. Prosper 1H
As-Drilled
Antero Resources Corporation



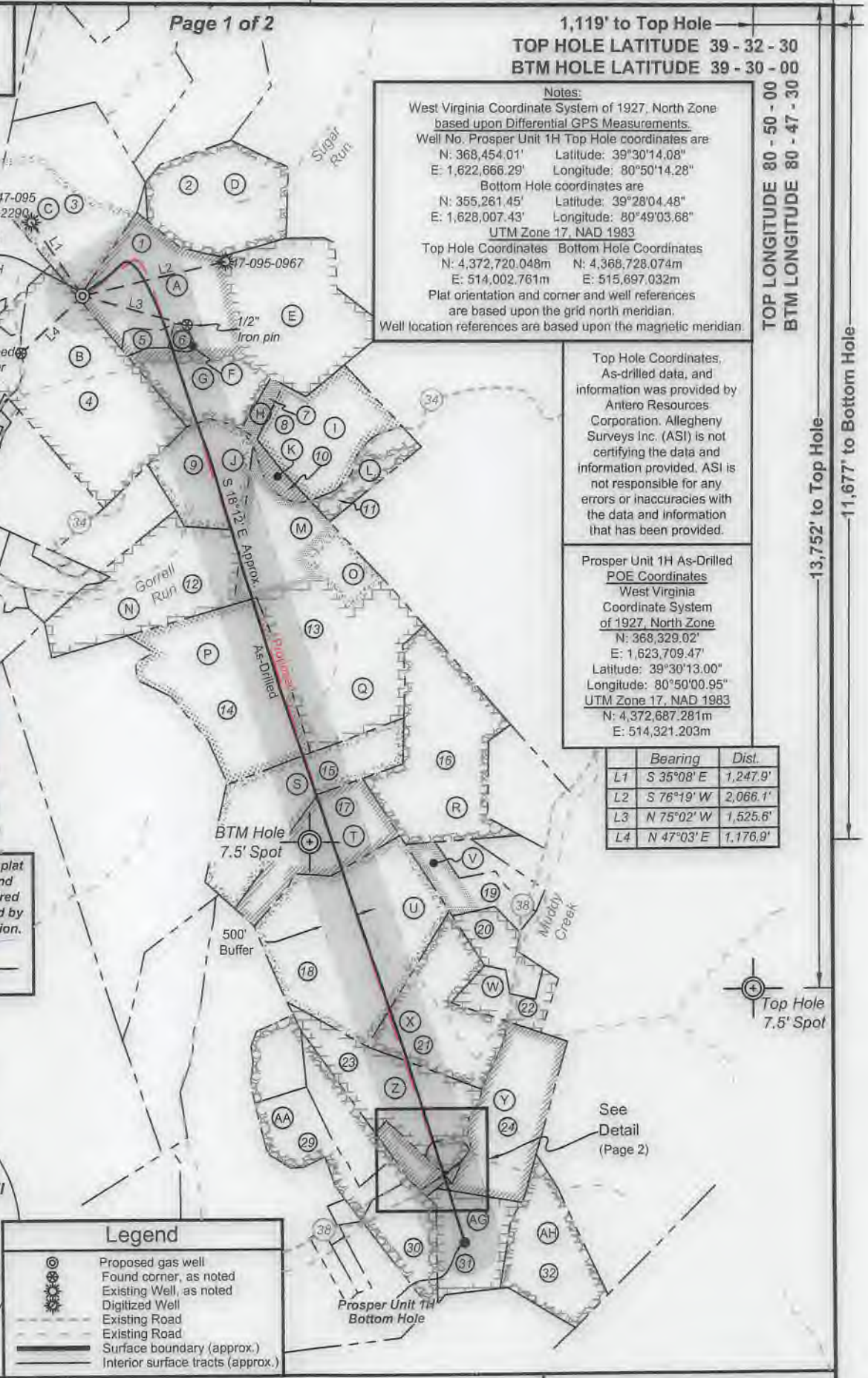
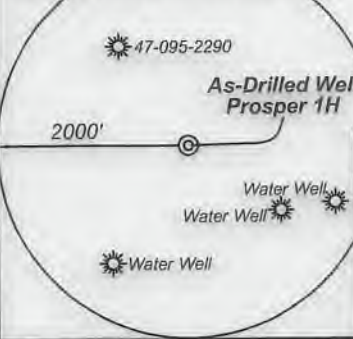
- Wellhead Layout**
- Vulcan Unit 1H
47-095-02701
 - Vulcan Unit 2H
47-095-02702
As-Drilled
 - Prosper Unit 1H
47-095-02699
Prosper Unit 2H
47-095-02700
 - Friend Unit 1H
47-095-02695
 - Friend Unit 2H
47-095-02696
 - Seagrave Unit 1H
47-095-02697
 - Seagrave Unit 2H
47-095-02698



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 prescribed by the Department of Environmental Protection.

Bradley D. Miller
Bradley D. Miller, P.S. 2167

Note: 3 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



Legend

- Proposed gas well
- Found corner, as noted
- Existing Well, as noted
- Digitized Well
- - - Existing Road
- - - Existing Road
- - - Surface boundary (approx.)
- - - Interior surface tracts (approx.)

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Prosper Unit 1H Top Hole coordinates are
 N: 368,454.01' Latitude: 39°30'14.08"
 E: 1,622,666.29' Longitude: 80°50'14.28"
 Bottom Hole coordinates are
 N: 355,261.45' Latitude: 39°28'04.48"
 E: 1,628,007.43' Longitude: 80°49'03.68"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,372,720.048m N: 4,368,728.074m
 E: 514,002.761m E: 515,697.032m
 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, 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.

Prosper Unit 1H As-Drilled POE Coordinates
 West Virginia Coordinate System of 1927, North Zone
 N: 368,329.02'
 E: 1,623,709.47'
 Latitude: 39°30'13.00"
 Longitude: 80°50'00.95"
 UTM Zone 17, NAD 1983
 N: 4,372,687.281m
 E: 514,321.203m

Bearing	Dist.
L1 S 35°08' E	1,247.9'
L2 S 76°19' W	2,066.1'
L3 N 75°02' W	1,525.6'
L4 N 47°03' E	1,176.9'

FILE NO: 189-54-E-19
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 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

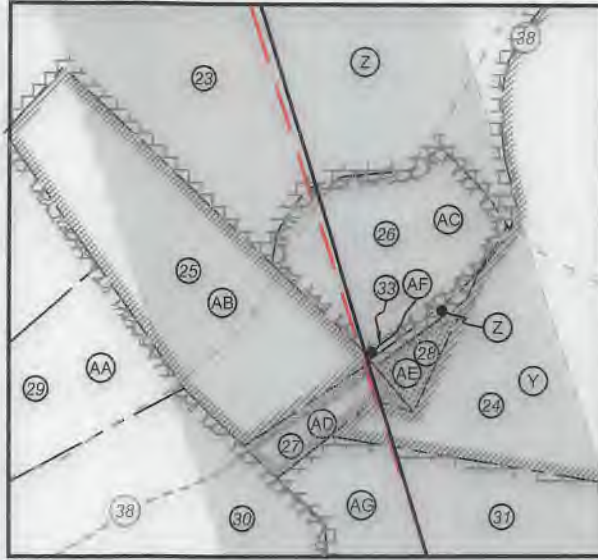
DATE: February 24 2021
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 API WELL NO
 47 - 095 - 02699
 STATE COUNTY PERMIT

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STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

DATE: February 24 2021
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ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
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03/17/2023

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/14/2020
Job End Date:	12/7/2020
State:	West Virginia
County:	Tyler
API Number:	47-095-02699-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Prosper 1H
Latitude:	39.50391000
Longitude:	-80.83730000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,697
Total Base Water Volume (gal):	21,941,294
Total Base Non Water Volume:	0

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 W.V. Department of
 Environmental Protection



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
Produced Water Blend	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	86.62441	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.06146	

SA

WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
Sand-Premium White-40/70	Halliburton	Proppant					
				Listed Below			
FLUID Enviro-Syn HCR-7000-WL	Fluid Energy Group	Acid Replacement					
				Listed Below			
Excelerate LX-15	Halliburton	Friction Reducer					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			

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MC B-8614	Halliburton	Biocide					
				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	13.21233	
			Complex Amine Compound	Proprietary	60.00000	0.03477	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01738	
			Proprietary	Proprietary	20.00000	0.01441	
			Proprietary	Proprietary	10.00000	0.00720	
			Guar gum	9000-30-0	100.00000	0.00643	
			Hydrochloric acid	7647-01-0	30.00000	0.00560	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00290	
			Surfactant	Proprietary	5.00000	0.00290	
			Glutaraldehyde	111-30-8	30.00000	0.00241	
			Ethoxylated alcohols	Proprietary	5.00000	0.00058	
			Organic chloride compound	Proprietary	1.00000	0.00058	
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00058	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00040	
			Ammonium persulfate	7727-54-0	100.00000	0.00014	
			Methanol	67-56-1	100.00000	0.00012	
			Ethanol	64-17-5	1.00000	0.00008	
			Oxylated phenolic resin	Proprietary	30.00000	0.00004	
			Modified thiourea polymer	Proprietary	30.00000	0.00001	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00001	

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			Phosphoric acid	7664-38-2	0.10000	0.00001	
			Organic salt #1	Proprietary	0.01000	0.00001	
			Sodium glycolate	2836-32-0	0.01000	0.00001	
			Sodium hydroxide	1310-73-2	0.01000	0.00001	
			Formaldehyde	50-00-0	0.01000	0.00001	
			Organic salt #2	Proprietary	0.01000	0.00001	
			Acrylamide	79-06-1	0.01000	0.00001	
			Nitrated acetate salt	Proprietary	0.01000	0.00001	
			Hexadecene	629-73-2	5.00000	0.00000	
			Propargyl alcohol	107-19-7	5.00000	0.00000	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	

* 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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Department of

SM