

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

API 47-095-02398 County Tyler District Meade
Quad Pennsboro 7.5' Pad Name Ritchie Petroleum Field/Pool Name -----
Farm name David M. Hartley Well Number Tamarind Unit 1H
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 4356662m Easting 502143m
Landing Point of Curve Northing 4356610.68m Easting 502350.95m
Bottom Hole Northing 4354560m Easting 503207m

Elevation (ft) 1176' 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

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WV Department of
Environmental Protection

Date permit issued 12/30/2016 Date drilling commenced 3/5/2017 Date drilling ceased 10/23/2017
Date completion activities began 3/9/2018 Date completion activities ceased 8/7/2018
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 162', 201', 577' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1293' 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:

05/11/2023

API 47- 095 - 02398 Farm name David M. Hartley Well number Tamarind Unit 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"	112'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	371'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2584'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	14021'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6813'		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	202 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	330 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	935 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	805 sx (Lead) 1065 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.45 (Lead), 1.94 (Tail)	3774	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 14236' MD, 6468' TVD (BHL), 6468' (Deepest Point Drilled) Loggers TD (ft) 14236' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5822'

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

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No
 WV Department of Environmental Protection

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

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PRODUCING FORMATION(S)	DEPTHS			
	6420' (TOP)	TVD	6685' (TOP)	MD
Marcellus				

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 4303 mcfpd Oil 50 bpd NGL --- bpd Water 484 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP		BOTTOM		DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	
	NAME TVD	TVD	MD	MD	
*PLEASE SEE ATTACHED EXHIBIT 3					

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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

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

Please insert additional pages as applicable.

Completed by Carly Marvel Telephone 303-357-7373
Signature Carly Marvel Title Permitting Agent Date 3/29/2023

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

05/11/2023

API 47-095-02398 Farm Name David M. Hartley Well Number Tamarind Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/29/2018	14037		60	Marcellus
2	3/30/2018	13834	14005	60	Marcellus
3	3/30/2018	13631	13802	60	Marcellus
4	3/31/2018	13429	13600	60	Marcellus
5	3/31/2018	13226	13397	60	Marcellus
6	3/31/2018	13023	13194	60	Marcellus
7	4/1/2018	12820	12991	60	Marcellus
8	4/1/2018	12618	12789	60	Marcellus
9	4/1/2018	12415	12586	60	Marcellus
10	4/2/2018	12212	12383	60	Marcellus
11	4/2/2018	12009	12180	60	Marcellus
12	4/2/2018	11807	11978	60	Marcellus
13	4/3/2018	11604	11775	60	Marcellus
14	4/3/2018	11401	11572	60	Marcellus
15	4/4/2018	11198	11369	60	Marcellus
16	4/4/2018	10995	11166	60	Marcellus
17	4/4/2018	10793	10964	60	Marcellus
18	4/4/2018	10590	10761	60	Marcellus
19	4/5/2018	10387	10558	60	Marcellus
20	4/5/2018	10184	10355	60	Marcellus
21	4/5/2018	9982	10153	60	Marcellus
22	4/5/2018	9779	9950	60	Marcellus
23	4/6/2018	9576	9747	60	Marcellus
24	4/6/2018	9373	9544	60	Marcellus
25	4/6/2018	9171	9341	60	Marcellus
26	4/7/2018	8968	9139	60	Marcellus
27	4/7/2018	8765	8936	60	Marcellus
28	4/7/2018	8562	8733	60	Marcellus
29	4/8/2018	8359	8530	60	Marcellus
30	4/8/2018	8157	8328	60	Marcellus
31	4/8/2018	7954	8125	60	Marcellus
32	4/9/2018	7751	7922	60	Marcellus
33	4/9/2018	7548	7719	60	Marcellus
34	4/9/2018	7346	7517	60	Marcellus
35	4/9/2018	7143	7314	60	Marcellus
36	4/9/2018	6940	7111	60	Marcellus
37	4/10/2018	6737	6908	60	Marcellus

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05/11/2023

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	3/29/2018	7.1	7654		5681	5500	4151	N/A
2	3/30/2018	73.4	7222	5490	3612	365510	8994	N/A
3	3/30/2018	74.1	6964	5508	3196	365920	8248	N/A
4	3/31/2018	74.7	7079	5219	3711	366570	8360	N/A
5	3/31/2018	76.2	7012	5797	3423	367000	8337	N/A
6	3/31/2018	79.1	7210	5736	3644	363860	8142	N/A
7	4/1/2018	79.3	7542	5318	3469	365810	8324	N/A
8	4/1/2018	76	7002	5173	3672	366400	8020	N/A
9	4/1/2018	77.9	7038	5085	4671	361710	8651	N/A
10	4/2/2018	78.1	7232	5393	4600	365030	7779	N/A
11	4/2/2018	75.7	7007	5390	4634	368390	8042	N/A
12	4/2/2018	73.7	6821	5456	3387	367810	7923	N/A
13	4/3/2018	79	6885	4868	3145	362130	9724	N/A
14	4/3/2018	78	6858	5474	3345	362530	8345	N/A
15	4/4/2018	77.7	7043	5232	3359	366950	8178	N/A
16	4/4/2018	74.3	6555	5514	4964	363190	8307	N/A
17	4/4/2018	74.2	6621	5222	4048	361150	8443	N/A
18	4/4/2018	78.1	6724	4909	4052	362840	8345	N/A
19	4/5/2018	79.4	6751	4833	3461	363510	8080	N/A
20	4/5/2018	78	6820	4935	3130	362940	8538	N/A
21	4/5/2018	77.4	6601	5551	3338	364060	8447	N/A
22	4/5/2018	77.4	7373	5249	4567	321360	8992	N/A
23	4/6/2018	76.9	6580	5620	5311	332430	8923	N/A
24	4/6/2018	76	6990	5750	4116	360660	9792	N/A
25	4/6/2018	78.8	6497	5416	3656	362420	8163	N/A
26	4/7/2018	72.1	6887	5183	4656	354900	10711	N/A
27	4/7/2018	76.8	6721	5233	4153	362530	10281	N/A
28	4/7/2018	70.2	7221	5941	3827	347790	11603	N/A
29	4/8/2018	77.3	6506	5255	6061	341630	8889	N/A
30	4/8/2018	75.2	5939	5568	5023	358290	8183	N/A
31	4/8/2018	79.9	6236	4640	3346	360430	7993	N/A
32	4/9/2018	79.5	6217	5806	3520	361300	7988	N/A
33	4/9/2018	79	5998	5277	3815	365580	8429	N/A
34	4/9/2018	79.6	6251	6187	3872	361620	8513	N/A
35	4/9/2018	78.3	6732	4864	4418	358180	8993	N/A
36	4/9/2018	80.1	6408	5760	3122	358080	7985	N/A
37	4/10/2018	78.8	6533	5509	3035	376880	8294	N/A
	AVG=	75.1	6,804	5,371	3,974	12,882,690	315,110	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 w/intbd Sandstone and	0	228	0	228
Sandy shale and coal	228	528	228	528
Sandy shale	528	708	528	708
Calcareous shale	708	848	708	848
Limy shale with coal	848	1,048	848	1,048
Sandy shale	1,048	1,208	1,048	1,208
Sandy shale with coal	1,208	1,348	1,208	1,348
sandstone	1,348	1,488	1,348	1,488
Sandy shale	1,488	1,568	1,488	1,568
Shaly sandstone	1,568	1,648	1,568	1,648
Silty shale	1,648	1,708	1,648	1,708
Sandy shale	1,708	1,808	1,708	1,808
Sandy shale/coal	1,808	2,040	1,808	2,041
Big Lime	2,072	2,176	2,073	2,177
Big Injun	2,176	2,641	2,177	2,642
Gantz Sand	2,641	2,936	2,642	2,937
Fifty Foot Sandstone	2,936	3,058	2,937	3,060
Gordon	3,058	3,324	3,060	3,329
Fifth Sandstone	3,324	3,455	3,329	3,463
Bayard	3,455	3,684	3,463	3,698
Warren	3,684	4,015	3,698	4,040
Speechley	4,015	4,495	4,040	4,532
Balltown	4,334	4,870	4,366	4,916
Bradford	4,495	4,870	4,532	4,916
Benson	4,870	5,299	4,916	5,356
Alexander	5,299	5,830	5,356	5,901
Rhinestreet	5,798	6,160	5,869	6,276
Sycamore	6,160	6,254	6,276	6,420
Middlesex	6,254	6,355	6,420	6,593
Burkett	6,355	6,380	6,593	6,660
Tully	6,380	6,388	6,660	6,685
Marcellus	6,388	NA	6,685	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.

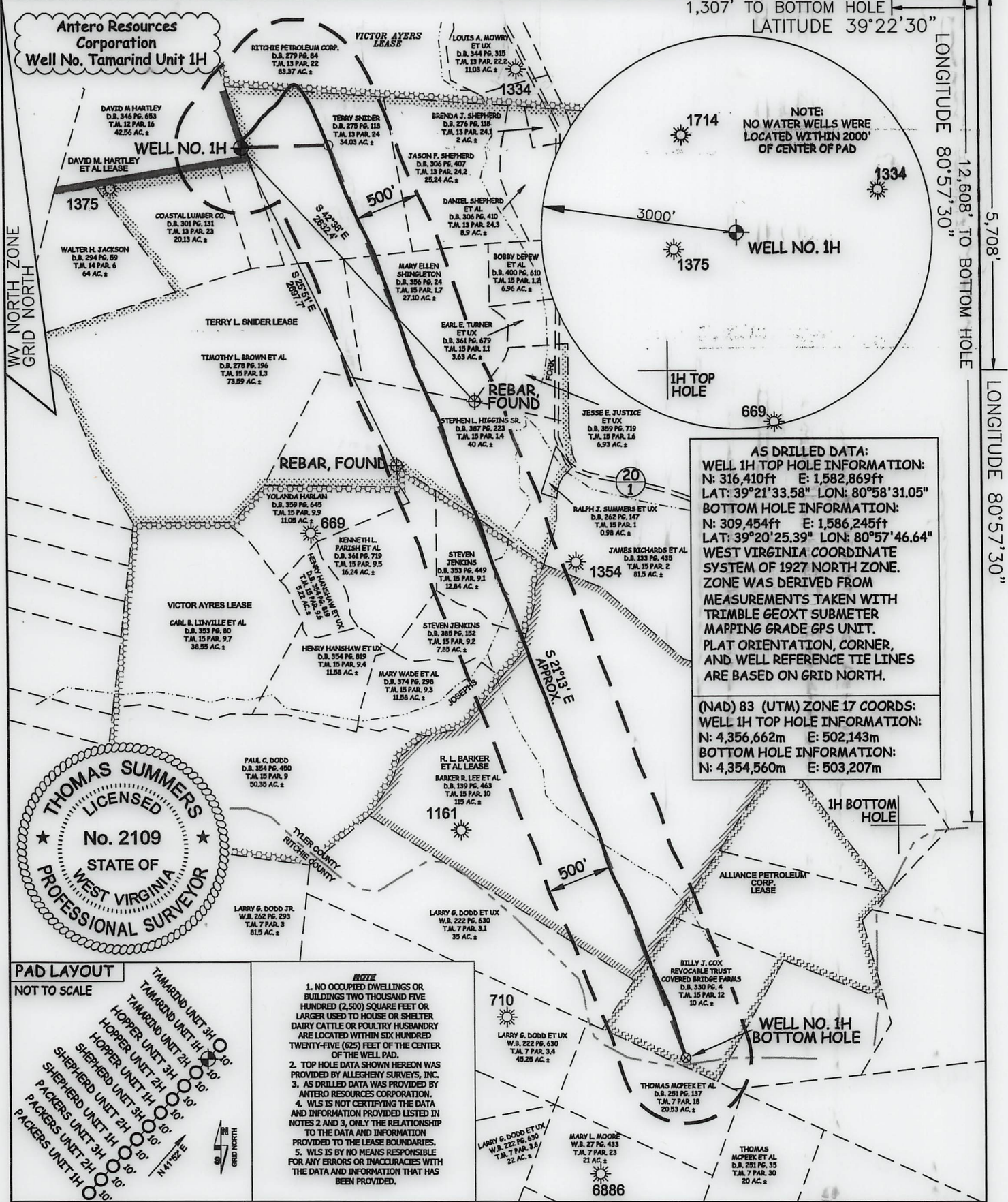
LATITUDE 39°22'30"

4,795'

1,307' TO BOTTOM HOLE
LATITUDE 39°22'30"

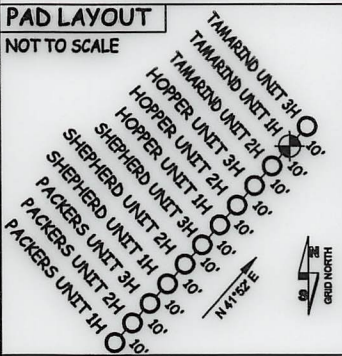
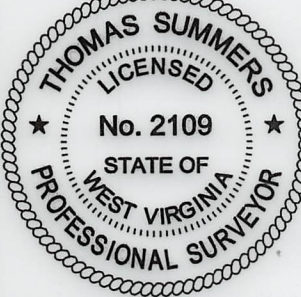
LONGITUDE 80°57'30"

5,708'
LONGITUDE 80°57'30"



AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
 N: 316,410ft E: 1,582,869ft
 LAT: 39°21'33.58" LON: 80°58'31.05"
BOTTOM HOLE INFORMATION:
 N: 309,454ft E: 1,586,245ft
 LAT: 39°20'25.39" LON: 80°57'46.64"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH 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 1H TOP HOLE INFORMATION:
 N: 4,356,662m E: 502,143m
BOTTOM HOLE INFORMATION:
 N: 4,354,560m E: 503,207m



NOTE

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.

JOB # **15-041WA**
 DRAWING # **TAMARIND1HAD**
 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.

STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
 220 MASONIC AVENUE 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 **11/07/18**
 OPERATOR'S WELL # **TAMARIND 1H**

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL API WELL # **47 - 095 - 02398**

(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION **1,176' AS BUILT** WATERSHED **OUTLET MIDDLE ISLAND CREEK** STATE COUNTY PERMIT

QUADRANGLE **PENNSBORO 7.5'** DISTRICT **MEADE** COUNTY **TYLER** **05/11/2023**

SURFACE OWNER **DAVID M. HARTLEY** ACREAGE **42.56 ACRES +/-**

OIL & GAS ROYALTY OWNER **DAVID M. HARTLEY ET AL; VICTOR AYRES; TERRY L. SNIDER; VICTOR AYRES; R. L. BARKER ET AL; ALLIANCE PETROLEUM CORPORATION** LEASE ACREAGE **42.56 AC±; 221.24 AC±; 97 AC±; 167.5 AC±; 115 AC±; 50.5 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** PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **6,468' TVD 14,236' MD**

WELL OPERATOR **ANTERO RESOURCES CORPORATION** DESIGNATED AGENT **DIANNA STAMPER - CT CORPORATION SYSTEM**

ADDRESS **1615 WYNKOOP STREET** ADDRESS **5400 D BIG TYLER ROAD**

FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT

LATITUDE 39°22'30"

4,795'

1,307' TO BOTTOM HOLE

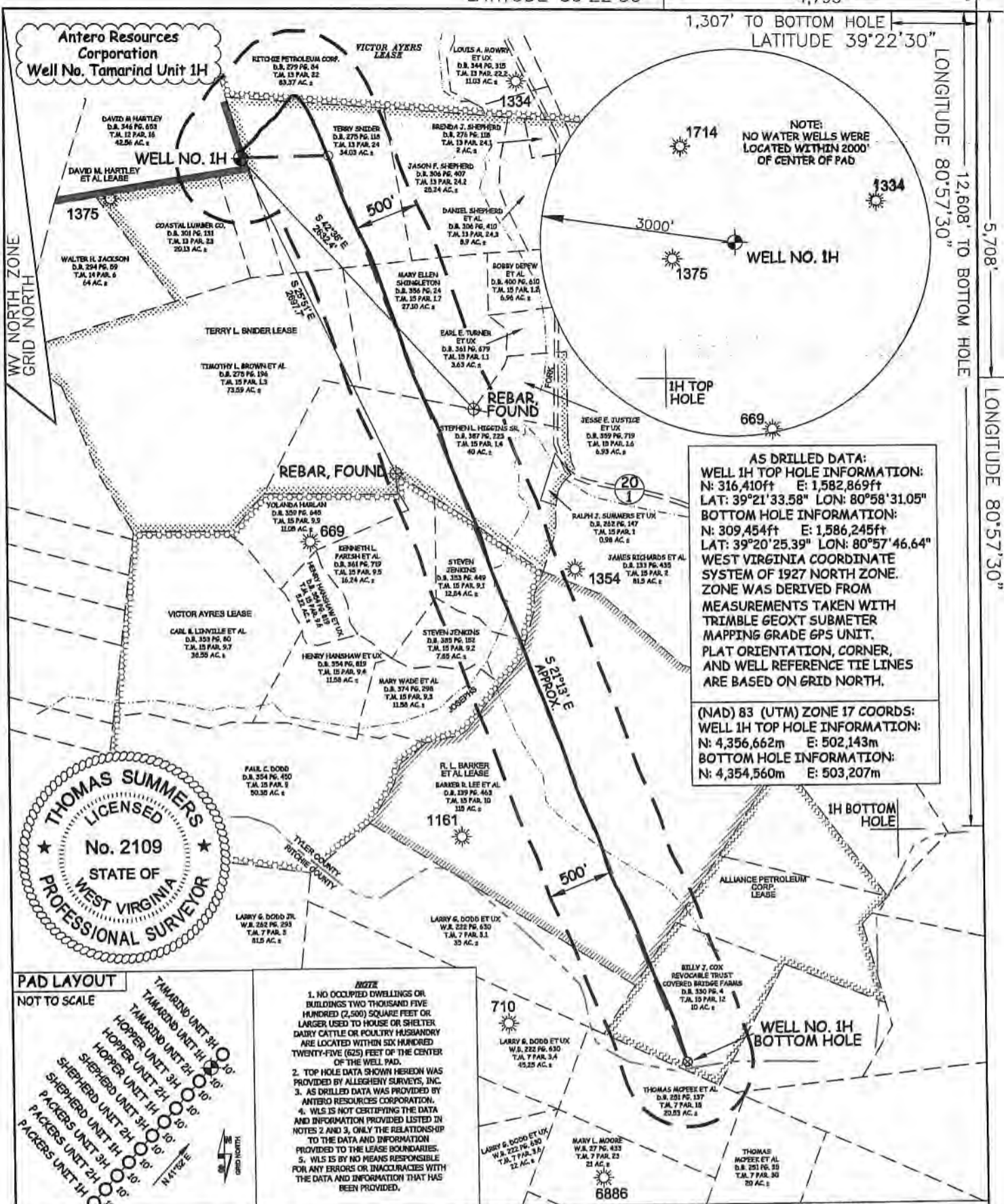
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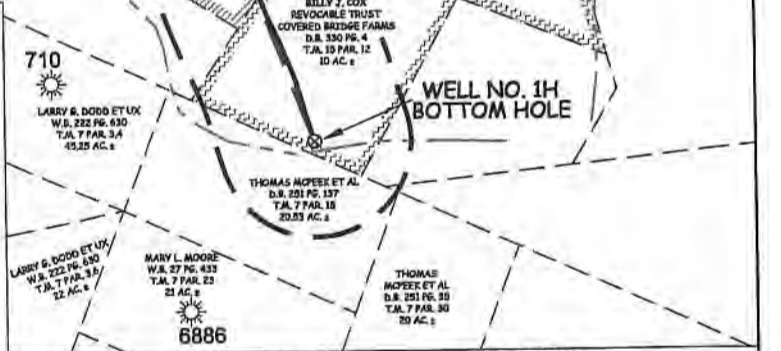


PAD LAYOUT
 NOT TO SCALE

TAMARIND UNIT 3H
 TAMARIND UNIT 1H
 HOPPER UNIT 2H
 HOPPER UNIT 1H
 SHEPHERD UNIT 3H
 SHEPHERD UNIT 2H
 PACKERS UNIT 3H
 PACKERS UNIT 2H
 PACKERS UNIT 1H

NOTE

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LEGEND

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

THOMAS SUMMERS P.S. 2109
 DATE 11/07/18
 OPERATOR'S WELL # TAMARIND 1H
 API Well # Environmental Protection

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 (IF "GAS") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,176' AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK STATE COUNTY PERMIT
 QUADRANGLE PENNSBORO 7.5' DISTRICT MEADE COUNTY TYLER
 SURFACE OWNER DAVID M. HARTLEY ACREAGE 42.56 ACRES +/- 05/11/2023
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 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,468' TVD 14,236' MD

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 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/29/2018
Job End Date:	4/11/2018
State:	West Virginia
County:	Tyler
API Number:	47-095-02398-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Tamarind 1H
Latitude:	39.35933100
Longitude:	-80.97529200
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,468
Total Base Water Volume (gal):	13,533,440
Total Base Non Water Volume:	0



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	Operator	Base Fluid					
			Water	7732-18-5	100.00000	89.38129	Density = 8.330
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.27240	

MC B-8614	Halliburton	Biocide					
				Listed Below			
HYDROCHLORIC ACID	Halliburton	Solvent					
				Listed Below			
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676)	Halliburton	Proppant					
				Listed Below			
FR-76	Halliburton	Friction Reducer					
				Listed Below			
SAND-PREMIUM WHITE-40/70, BULK	Halliburton	Proppant					
				Listed Below			
SAND - PREMIUM WHITE - 30/50, BULK	Halliburton	Proppant					
			WV Department of Environmental Protection	Listed Below			
SP BREAKER	Halliburton	Breaker					
				Listed Below			
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor					

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				Listed Below			
SCALECHEK LP-70	Halliburton	Scale Inhibitor					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				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	10.29469	
			Hydrochloric acid	7647-01-0	15.00000	0.03328	
			Guar gum	9000-30-0	100.00000	0.02061	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01760	
			Inorganic salt	Proprietary	30.00000	0.01760	
			Acrylamide acrylate copolymer	Proprietary	30.00000	0.01760	Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226
			Ethylene glycol	107-21-1	60.00000	0.00829	
			Glutaraldehyde	111-30-8	30.00000	0.00254	
			Telmer	Proprietary	10.00000	0.00138	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00042	
			Sodium persulfate	7775-27-1	100.00000	0.00041	
			Sodium polyacrylate	9003-04-7	1.00000	0.00014	
			Methanol	67-56-1	60.00000	0.00011	
			Ethanol	64-17-5	1.00000	0.00008	
			Modified thiourea polymer	Proprietary	30.00000	0.00005	
			Fatty acids, tall oil	Proprietary	30.00000	0.00005	

			Ethoxylated alcohols	Proprietary	30.00000	0.00005	
			Olefins	Proprietary	5.00000	0.00002	
			Propargyl alcohol	107-19-7	10.00000	0.00002	
			Phosphoric acid	7664-38-2	0.10000	0.00001	
			Acrylic acid	79-10-7	0.01000	0.00000	
			Sodium sulfate	7757-82-6	0.10000	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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