

11/09/2018

WR-35
Rev. 8/23/13

Page ___ of ___

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Office of Oil and Gas

OCT 12 2017

WV Department of
Environmental Protection

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

API 47-085-10276 County Ritchie District Clay
Quad Pennsboro 7.5' Pad Name Zinn Pad Field/Pool Name -----
Farm name Ernest E. Zinn et al Well Number Earnest 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 4352311m Easting 505338m
Landing Point of Curve Northing 4352389.530m Easting 505847.816m
Bottom Hole Northing 4350130m Easting 506767m

Elevation (ft) 1120' 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 01/29/2016 Date drilling commenced 02/07/2016 Date drilling ceased 05/30/2016
Date completion activities began 10/31/2016 Date completion activities ceased 04/13/2017
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 107' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1567' 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

APPROVED Reviewed by: _____
NAME: Michael Hoff
DATE: 10-25-17

WR-35
Rev. 8/23/13

API 47-085 - 10276 Farm name Ernest E. Zinn et al Well number Earnest Unit 2H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24"	20"	40'	New	94#, K-55	N/A	Y
Surface	17-1/2"	13-3/8"	630'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2574'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	15286'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6820'		5.95#, 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	95 sx	15.6	1.18	112	0'	8 Hrs.
Surface	Class A	745 sx	15.6	1.18	879	0'	8 Hrs.
Coal							
Intermediate 1	Class A	970 sx	15.6	1.18	1145	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	900 sx (Lead) 1325 sx (Tail)	13.3 (Lead), 15.15 (Tail)	1.44 (Lead), 1.84 (Tail)	3734	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 15286' MD, 6441' TVD (BHL), 6445' (Deepest Point Drilled) Loggers TD (ft) 15272' MD

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

Plug back procedure N/A

Kick off depth (ft) 6637'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Norma Unit 1H API #47-085-10169). Please reference the wireline logs submitted with Form WR-35 for Norma Unit 1H. A Cement Bond Log has been included with this submittal.

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

WR-35
Rev. 8/23/13

API 47- 085 - 10276 Farm name Ernest E. Zinn et al Well number Earnest Unit 2H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6398' (TOP)	TVD	6868' (TOP) MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 3000 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 7295 mcfpd Oil 108 bpd NGL --- bpd Water 638 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 NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

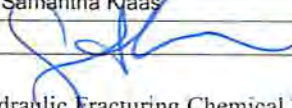
Drilling Contractor Patterson - UTI Drilling Company LLC
Address 207 Carlton Drive City Eighty Four State PA Zip 15330

Logging Company Allied Horizontal Wireline Services
Address 381 Colonial Manor Rd. City North Huntingdon State PA Zip 15642

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

Stimulating Company Halliburton
Address 121 Champion Way Suite 200 City Canonsburg State PA Zip 15317

Please insert additional pages as applicable.

Completed by Samantha Klaas Telephone 303-357-6759
Signature  Title Permitting Agent Date 10/11/2017

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

API 47-085-10276 Farm Name Ernest E. Zinn et al Well Number Earnest Unit 2H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	10/31/2016	14987	15157	60	Marcellus
2	11/16/2016	14785	14955	60	Marcellus
3	11/17/2016	14583	14753	60	Marcellus
4	11/18/2016	14381	14551	60	Marcellus
5	11/19/2016	14179	14350	60	Marcellus
6	11/20/2016	13978	14148	60	Marcellus
7	11/21/2016	13776	13946	60	Marcellus
8	11/22/2016	13574	13744	60	Marcellus
9	11/22/2016	13372	13542	60	Marcellus
10	11/23/2016	13170	13340	60	Marcellus
11	11/25/2016	12968	13139	60	Marcellus
12	11/26/2016	12767	12937	60	Marcellus
13	11/26/2016	12565	12735	60	Marcellus
14	11/27/2016	12363	12533	60	Marcellus
15	11/28/2016	12161	12331	60	Marcellus
16	11/28/2016	11959	12129	60	Marcellus
17	11/29/2016	11757	11928	60	Marcellus
18	11/29/2016	11556	11726	60	Marcellus
19	11/30/2016	11354	11524	60	Marcellus
20	12/1/2016	11152	11322	60	Marcellus
21	12/2/2016	10950	11120	60	Marcellus
22	12/3/2016	10748	10918	60	Marcellus
23	12/3/2016	10546	10717	60	Marcellus
24	12/3/2016	10344	10515	60	Marcellus
25	12/4/2016	10143	10313	60	Marcellus
26	12/4/2016	9941	10111	60	Marcellus
27	12/4/2016	9739	9909	60	Marcellus
28	12/5/2016	9537	9707	60	Marcellus
29	12/5/2016	9335	9505	60	Marcellus
30	12/6/2016	9133	9304	60	Marcellus
31	12/7/2016	8932	9102	60	Marcellus
32	12/7/2016	8730	8900	60	Marcellus
33	12/7/2016	8528	8698	60	Marcellus
34	12/8/2016	8326	8496	60	Marcellus
35	12/8/2016	8124	8294	60	Marcellus
36	12/8/2016	7922	8093	60	Marcellus
37	12/8/2016	7721	7891	60	Marcellus
38	12/9/2016	7519	7689	60	Marcellus
39	12/9/2016	7317	7487	60	Marcellus
40	12/9/2016	7115	7285	60	Marcellus
41	12/10/2016	6913	7083	60	Marcellus

API 47-085-10276 Farm Name Ernest E. Zinn et al Well Number Earnest Unit 2H								
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	11/16/2016	77.4	7752	5661.0	3473.0	516754	10814.3	N/A
2	11/16/2016	78.5	7517	5626.0	4270.0	512315	10594.8	N/A
3	11/17/2016	76.4	7524	5690.0	3509.0	515366	10703.0	N/A
4	11/18/2016	79.9	7367	5675.0	3352.0	523234	10783.1	N/A
5	11/19/2016	76.7	7225	5838.0	3220.0	513977	10627.1	N/A
6	11/20/2016	76.5	7244	5535.0	2635.0	512234	10761.4	N/A
7	11/21/2016	76.2	7122	5027.0	2797.0	516180	10584.3	N/A
8	11/22/2016	76.0	7153	5926.0	2777.0	514700	10528.3	N/A
9	11/22/2016	78.7	7004	5925.0	2703.0	515670	11349.5	N/A
10	11/23/2016	78.3	7175	6134.0	2781.0	516653	10626.7	N/A
11	11/25/2016	77.9	7140	6082.0	2990.0	520440	10708.3	N/A
12	11/26/2016	77.7	6738	5624.0	3165.0	512066	10451.3	N/A
13	11/26/2016	79.7	6713	5890.0	2907.0	515120	10409.6	N/A
14	11/27/2016	78.9	6869	5669.0	3239.0	511245	10528.5	N/A
15	11/28/2016	79.4	6845	5898.0	2747.0	514554	10467.2	N/A
16	11/28/2016	79.8	6826	5770.0	3022.0	512439	10472.6	N/A
17	11/29/2016	78.1	6853	5601.0	3502.0	516100	10481.8	N/A
18	11/29/2016	77.9	6964	6090.0	3332.0	515859	10360.8	N/A
19	11/30/2016	77.0	7173	5733.0	5740.0	291461	14754.2	N/A
20	12/1/2016	79.5	6765	5516.0	3155.0	514899	10552.2	N/A
21	12/2/2016	79.2	6577	5680.0	3516.0	519966	10617.9	N/A
22	12/3/2016	78.3	7003	5320.0	3679.0	520101	10496.2	N/A
23	12/3/2016	77.3	6643	5072.0	3152.0	517188	10597.4	N/A
24	12/3/2016	79.8	6622	5373.0	3578.0	515021	10363.0	N/A
25	12/4/2016	78.9	6834	5874.0	3830.0	514938	10516.3	N/A
26	12/4/2016	78.6	6746	5281.0	3400.0	517477	10402.0	N/A
27	12/4/2016	79.9	6631	5722.0	3460.0	513931	10403.9	N/A
28	12/5/2016	78.9	6585	5614.0	3275.0	514719	10413.5	N/A
29	12/5/2016	79.1	6562	5715.0	3310.0	513052	10390.0	N/A
30	12/6/2016	79.2	6310	5787.0	3629.0	514735	10328.7	N/A
31	12/7/2016	78.8	6750	5932.0	3514.0	517997	10354.6	N/A
32	12/7/2016	79.3	7457	5916.0	3509.0	514304	11271.8	N/A
33	12/7/2016	75.1	7127	5795.0	3053.0	513627	10399.5	N/A
34	12/8/2016	76.3	6897	5828.0	2842.0	515563	10435.3	N/A
35	12/8/2016	76.7	7387	5839.0	3037.0	515818	10497.8	N/A
36	12/8/2016	77.4	6877	5672.0	2964.0	515681	10414.8	N/A
37	12/8/2016	75.4	6880	5694.0	2818.0	514882	10670.0	N/A
38	12/9/2016	75.7	7219	5232.0	2845.0	517678	10439.4	N/A
39	12/9/2016	78.3	6387	5686.0	2557.0	505529	10255.6	N/A
40	12/9/2016	78.6	6367	5222.0	3070.0	518556	10431.4	N/A
41	12/10/2016	78.6	6336	5565.0	2705.0	518994	10473.8	N/A
	AVG=	78.0	6,931	5,676	3,245	20,911,023	436,732	TOTAL

API 47-085-10276 Farm Name Ernest E. Zinn et al Well Number Earnest Unit 2H				
EXHIBIT 3				
LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Fresh Water	107'	N/A	107'	N/A
Shale/ Siltstone	est. 30	285	est. 30	285
Sandstone	est. 285	425	est. 285	425
Shale/ Siltstone	est. 425	645	est. 425	645
Sandstone	est. 645	725	est. 645	725
Limestone	est. 725	805	est. 725	805
Sandstone/ Shale	est. 805	905	est. 805	905
Shale	est. 905	985	est. 905	985
Sandstone	est. 985	1305	est. 985	1305
Siltstone	est. 1305	1405	est. 1305	1405
Sandstone	est. 1405	1465	est. 1405	1465
Sandstone	est. 1465	1625	est. 1465	1625
Shale / Sandstone	est. 1625	1685	est. 1625	1685
Sandstone	est. 1685	1970	est. 1685	1982
Big Lime	1970	2555	1982	2603
Gantz	2555	2843	2603	2910
Fifty Foot Sandstone	2843	2968	2910	3044
Gordon	2968	3338	3044	3441
Fifth Sandstone	3338	3415	3441	3524
Bayard	3415	3908	3524	4048
Speechley	3908	4159	4048	4314
Baltown	4159	4635	4314	4824
Bradford	4635	4997	4824	5211
Benson	4997	5230	5211	5459
Alexander	5230	5519	5459	5765
Elk	5519	5786	5765	6052
Rhinestreet	5786	6141	6052	6437
Sycamore	6141	6238	6437	6561
Middlesex	6238	6344	6561	6733
Burkett	6344	6374	6733	6797
Tully	6374	6398	6797	6868
Marcellus	6398	NA	6868	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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/16/2016
Job End Date:	12/10/2016
State:	West Virginia
County:	Ritchie
API Number:	47-085-10276-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Earnest 2H
Latitude:	39.32010000
Longitude:	-80.93824440
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,445
Total Base Water Volume (gal):	18,709,216
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	87.96700	Density = 8.330
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.18753	

MC B-8614	Halliburton	Biocide					
				Listed Below			
SAND-PREMIUM WHITE-40/70, BULK	Halliburton	Proppant					
				Listed Below			
FR-76	Halliburton	Friction Reducer					
				Listed Below			
HYDROCHLORIC ACID	Halliburton	Solvent					
				Listed Below			
SCALECHEK LP-70	Halliburton	Scale Inhibitor					
				Listed Below			
SP BREAKER	Halliburton	Breaker					
				Listed Below			
SAND-COMMON WHITE - 100 MESH, 3307 LB BAG	Halliburton	Proppant					
				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	11.80310	
			Hydrochloric acid	7647-01-0	15.00000	0.01995	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01945	
			Acrylamide acrylate copolymer	Proprietary	30.00000	0.01945	Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226
			Inorganic salt	Proprietary	30.00000	0.01945	
			Guar gum	9000-30-0	100.00000	0.00923	
			Ethylene Glycol	107-21-1	60.00000	0.00832	
			Glutaraldehyde	111-30-8	30.00000	0.00263	
			Neutralized Polyacrylic Emulsion	Proprietary	10.00000	0.00139	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00044	
			Sodium persulfate	7775-27-1	100.00000	0.00016	
			Ethanol	64-17-5	1.00000	0.00009	
			Methanol	67-56-1	0.14000	0.00001	
			Phosphoric acid	7664-38-2	0.10000	0.00001	
			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)

LATITUDE 39°20'00"

6,105'

LATITUDE 39°20'00" 1,422' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Earnest Unit 2H
47-085-10276 (AS DRILLED)

AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
N: 301,955ft E: 1,593,115ft
LAT: 39°19'12.37" LON: 80°56'17.68"
BOTTOM HOLE INFORMATION:
N: 294,721ft E: 1,597,684ft
LAT: 39°18'01.59" LON: 80°55'18.09"
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 2H TOP HOLE INFORMATION:
N: 4,352,311m E: 505,338m
BOTTOM HOLE INFORMATION:
N: 4,350,130m E: 506,767m

PAD LAYOUT

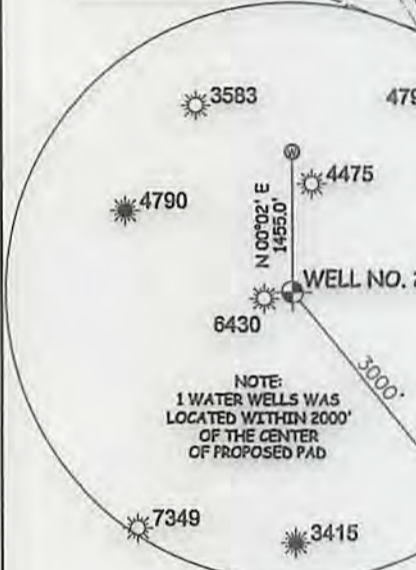


- NOTE
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
 2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY 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.

WV NORTH ZONE GRID NORTH

LONGITUDE 80°55'00" 11,980' TO BOTTOM HOLE

11/09/2018



NOTE:
1 WATER WELLS WAS LOCATED WITHIN 2000' OF THE CENTER OF PROPOSED PAD



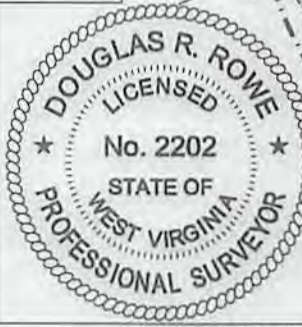
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVENUE PENNSBORO WEST VIRGINIA 26415

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.

LEGEND

- Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
- x - x - Existing Fence
- ⊕ Found monument, as noted
- Found Well Path
- ⊙ As Drilled Well Path

D. Rowe
DOUGLAS R. ROWE P.S. 2202
DATE 09/29/17



JOB # 15-047WA
DRAWING # EARNEST2HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL OPERATOR'S WELL# EARNEST UNIT #2H
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW API WELL # 47 - 085 - 10276
LOCATION: ELEVATION AS DRILLED -1,120' WATERSHED NORTH FORK HUGHES RIVER STATE COUNTY PERMIT
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER ERNEST E. ZINN ET AL ACREAGE 129.5 ACRES +/-
OIL & GAS ROYALTY OWNER HAROLD H. BLOCH ET UX; W.J. COLLINS ET UX; MARTHA TAYLOR ET VIR; LEASE ACREAGE 131.5 ACRES; 575 ACRES; 44.46 ACRES;
ALFRED DEPHINO JR. ET UX; S.A. CUNNINGHAM ET UX; S.A. CUNNINGHAM; HELEN M. GRIFFITH; GEORGE A. DOTSON 112 ACRES; 58 ACRES; 3.2 ACRES; 15.8 ACRES; 11 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 ESTIMATED DEPTH 6,441' TVD 15,286' MD
TARGET FORMATION MARCELLUS
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
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