

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

PM

API 47-017-06186 County Doddridge District New Milton
Quad Smithburg 7.5 Pad Name Smithburgh 28 Field/Pool Name _____
Farm name SUE ANN SPIKER Well Number 514654
Operator (as registered with the OOG) EQT Production Company
Address 625 Liberty Ave. EQT Plaza, Suite 1700 City Pittsburgh State PA Zip 15222

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4345985 Easting 522591
Landing Point of Curve Northing 4345937 Easting 522800
Bottom Hole Northing 4344622 Easting 523497

Elevation (ft) 1254 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)

Water base Mud 12.4 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 3/13/2013 Date drilling commenced 5/10/2013 Date drilling ceased 11/19/2013
Date completion activities began 2/14/2014 Date completion activities ceased 2/23/2014
Verbal plugging (Y/N) N 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 106', 576' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2,000' Void(s) encountered (Y/N) depths _____
Coal depth(s) ft 48', 281', 557', 628', 1,207', 1,376' Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) N

RECEIVED
Office of Oil and Gas
OCT 01 2014
WV Department of
Environmental Protection

Reviewed by: _____

10/31/2014

API 47-017 - 06186

Farm name SUE ANN SPIKER

Well number 514654

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'	72'	New	94#		Y
Surface	17-1/2"	13-3/8"	675'	New	54.5#	236, 276	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	5,344	New	40#	147',3019',3208'	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	12,055'	New	20#		N
Tubing							
Packer type and depth set							

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	69	15.6	1.18	81.42	0	8
Surface	Class A	550	15.6	1.18	649	0	8
Coal							
Intermediate 1	Class A	330/1460	14.2/15.6	1.48/1.18	2211.2	0	8
Intermediate 2							
Intermediate 3							
Production	Class A/Class H	340/660	14.20/15.2	1.31/1.94	1726	5078	8
Tubing							

Drillers TD (ft) 12,055'

Loggers TD (ft) N/A

Deepest formation penetrated Geneseo

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 5,532'

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-N/A

Surface-bow spring centralizer on the shoe, and 197'

Intermediate-bow spring centralizers ran at the shoe, 4637, 4348, 3760, 3337,2892,2385,1879,1372,908,360

Production- plastic centralizer on every joint from the shoe up to 5,344'

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 Chemical

Formation Name	Final Top MD (ftGL) (ft)	Final Top TVD (ft)	Final Btm MD (ftGL) (ft)	Final Btm TVD (ft)
SAND / SHALE	0	0	55	55
FRESH WATER ZONE	1	1	570	570
COAL	55	55	60	60
SAND / SHALE	60	60	281	281
COAL	281	281	285	285
SAND / SHALE	285	285	577	577
COAL	577	577	650	650
COAL	628	628	633	633
SAND / SHALE	633	633	1,207.00	1,207.00
COAL	1,207.00	1,207.00	1,210.00	1,210.00
SAND / SHALE	1,210.00	1,210.00	1,376.00	1,376.00
COAL	1,376.00	1,376.00	1,381.00	1,381.00
SAND / SHALE	1,381.00	1,381.00	1,753.00	1,753.00
MAXTON	1,753.00	1,753.00	1,954.00	1,954.00
BIG LIME	1,954.00	1,954.00	2,048.00	2,048.00
BIG INJUN	2,048.00	2,048.00	2,251.00	2,251.00
WEIR	2,251.00	2,251.00	2,351.00	2,351.00
SAND / SHALE	2,351.00	2,351.00	2,458.00	2,458.00
GANTZ	2,458.00	2,458.00	2,580.00	2,580.00
FIFTY FOOT	2,580.00	2,580.00	2,664.00	2,664.00
GORDON	2,664.00	2,664.00	3,264.00	3,263.90
WARREN	3,264.00	3,263.90	3,343.00	3,342.90
SPEECHLEY	3,343.00	3,342.90	4,006.00	4,005.90
BALLTOWN B	4,006.00	4,005.90	4,216.00	4,215.90
BRADFORD	4,216.00	4,215.90	4,516.00	4,515.90
RILEY	4,516.00	4,515.90	4,931.00	4,930.80
BENSON	4,931.00	4,930.80	5,190.00	5,189.70
ALEXANDER	5,190.00	5,189.70	6,363.00	6,252.50
RHINESTREET	6,363.00	6,252.50	6,509.00	6,375.00
Sonyea	6,509.00	6,375.00	6,718.00	6,522.70
Middlesex	6,718.00	6,522.70	6,834.00	6,578.70
Genesee	6,834.00	6,578.70	7,076.00	6,650.70
Geneseo	7,076.00	6,650.70	6,698.26	12,055.00

Amended Report with Flow Back Data

Well#: 514654

API: 47-017-06186

Mylar Plat attached

Stimulation Notes:

Re-perforated stage 28 (28.1)

17-06186

PHOENIX
TECHNOLOGY SERVICES



EQT Production - Geneseo Shale

Doddridge County, WV
Doddridge County 514654
Well #514654

Main Wellbore

Design: AS Drilled

Standard Survey Report

21 November, 2013



Where energy meets innovation.

10/31/2014

Database:	EQT DB	Local Co-ordinate Reference:	Well Well #514654
Company:	EQT Production - Genesee Shale	TVD Reference:	KB @ 1277.0usft
Project:	Doddridge County, WV	MD Reference:	KB @ 1277.0usft
Site:	Doddridge County 514654	North Reference:	Grid
Well:	Well #514654	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main Wellbore		
Design:	AS Drilled		

Project	Doddridge County, WV		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	West Virginia North 4701		

Site	Doddridge County 514654		
Site Position:		Northing:	280,252.20 usft
From:	Map	Easting:	1,649,384.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	39.26
		Longitude:	-80.74
		Grid Convergence:	-0.79 °

Well	Well #514654					
Well Position	+N/-S	0.0 usft	Northing:	280,252.20 usft	Latitude:	39° 15' 46.164 N
	+E/-W	0.0 usft	Easting:	1,649,384.10 usft	Longitude:	80° 44' 17.933 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	1,254.0 usft

Wellbore	Main Wellbore		
----------	---------------	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	10/31/2013	-8.47	66.84	52,351

Design	AS Drilled		
--------	------------	--	--

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
----------	-----	--------	--------	---------------	-----

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	149.04

Survey Program	Date	11/18/2013		
From (')	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,362.0	514654 Gyrodata CORRECTED GYROS!!!	GYD_DP_MS	Gyrodata gyro-compassing and drop
0.00	12,056.0	514654 MWD (Main Wellbore)	MWD	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	-1,277.0	0.0	0.0	0.0	0.00	0.00	0.00
146.0	0.18	128.38	146.0	-1,131.0	-0.1	0.2	0.2	0.12	0.12	0.00
246.0	0.22	131.22	246.0	-1,031.0	-0.4	0.4	0.5	0.04	0.04	2.84
346.0	0.38	125.79	346.0	-931.0	-0.7	0.9	1.0	0.16	0.16	-5.43
446.0	0.09	158.22	446.0	-831.0	-1.0	1.2	1.4	0.31	-0.29	32.43
546.0	0.11	155.51	546.0	-731.0	-1.1	1.2	1.6	0.02	0.02	-2.71
646.0	0.11	157.15	646.0	-631.0	-1.3	1.3	1.8	0.00	0.00	1.64
746.0	0.15	172.53	746.0	-531.0	-1.5	1.4	2.0	0.05	0.04	15.38

Database:	EQT DB	Local Co-ordinate Reference:	Well Well #514654
Company:	EQT Production - Genesee Shale	TVD Reference:	KB @ 1277.0usft
Project:	Doddridge County, WV	MD Reference:	KB @ 1277.0usft
Site:	Doddridge County 514654	North Reference:	Grid
Well:	Well #514654	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main Wellbore		
Design:	AS Drilled		

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
846.0	0.13	162.48	846.0	-431.0	-1.7	1.4	2.2	0.03	-0.02	-10.05
946.0	0.17	171.95	946.0	-331.0	-2.0	1.5	2.5	0.05	0.04	9.47
1,046.0	0.22	160.24	1,046.0	-231.0	-2.3	1.6	2.8	0.06	0.05	-11.71
1,146.0	0.27	141.55	1,146.0	-131.0	-2.7	1.8	3.2	0.09	0.05	-18.69
1,246.0	0.32	136.15	1,246.0	-31.0	-3.1	2.1	3.7	0.06	0.05	-5.40
1,346.0	0.37	138.67	1,346.0	69.0	-3.5	2.5	4.3	0.05	0.05	2.52
1,446.0	0.47	130.10	1,446.0	169.0	-4.0	3.0	5.0	0.12	0.10	-8.57
1,546.0	0.49	128.68	1,546.0	269.0	-4.6	3.7	5.8	0.02	0.02	-1.42
1,646.0	0.55	127.90	1,646.0	369.0	-5.1	4.4	6.7	0.06	0.06	-0.78
1,746.0	0.53	125.79	1,746.0	469.0	-5.7	5.1	7.5	0.03	-0.02	-2.11
1,846.0	0.49	131.07	1,846.0	569.0	-6.2	5.8	8.4	0.06	-0.04	5.28
1,946.0	0.50	140.33	1,946.0	669.0	-6.9	6.4	9.2	0.08	0.01	9.26
2,046.0	0.41	154.44	2,046.0	769.0	-7.5	6.9	10.0	0.14	-0.09	14.11
2,146.0	0.31	159.79	2,146.0	869.0	-8.1	7.1	10.6	0.11	-0.10	5.35
2,246.0	0.35	168.40	2,246.0	969.0	-8.6	7.3	11.2	0.06	0.04	8.61
2,346.0	0.35	187.82	2,346.0	1,069.0	-9.2	7.3	11.7	0.12	0.00	19.42
2,446.0	0.32	191.43	2,446.0	1,169.0	-9.8	7.2	12.1	0.04	-0.03	3.61
2,546.0	0.31	195.98	2,546.0	1,269.0	-10.4	7.1	12.5	0.03	-0.01	4.55
2,646.0	0.34	205.71	2,646.0	1,369.0	-10.9	6.9	12.9	0.06	0.03	9.73
2,746.0	0.34	231.19	2,746.0	1,469.0	-11.3	6.5	13.1	0.15	0.00	25.48
2,846.0	0.38	218.39	2,846.0	1,569.0	-11.8	6.1	13.2	0.09	0.04	-12.80
2,946.0	0.32	220.69	2,945.9	1,668.9	-12.3	5.7	13.4	0.06	-0.06	2.30
3,046.0	0.45	230.28	3,045.9	1,768.9	-12.7	5.2	13.6	0.14	0.13	9.59
3,146.0	0.46	240.58	3,145.9	1,868.9	-13.2	4.6	13.6	0.08	0.01	10.30
3,246.0	0.49	233.60	3,245.9	1,968.9	-13.6	3.9	13.7	0.07	0.03	-6.98
3,346.0	0.45	232.53	3,345.9	2,068.9	-14.1	3.2	13.7	0.04	-0.04	-1.07
3,446.0	0.44	233.84	3,445.9	2,168.9	-14.6	2.6	13.8	0.01	-0.01	1.31
3,546.0	0.48	252.44	3,545.9	2,268.9	-14.9	1.9	13.8	0.15	0.04	18.60
3,646.0	0.42	220.27	3,645.9	2,368.9	-15.3	1.2	13.8	0.26	-0.06	-32.17
3,746.0	0.39	253.32	3,745.9	2,468.9	-15.7	0.7	13.8	0.23	-0.03	33.05
3,846.0	0.43	274.87	3,845.9	2,568.9	-15.8	0.0	13.5	0.16	0.04	21.55
3,946.0	0.47	269.24	3,945.9	2,668.9	-15.8	-0.8	13.1	0.06	0.04	-5.63
4,046.0	0.46	297.85	4,045.9	2,768.9	-15.6	-1.6	12.5	0.23	-0.01	28.61
4,146.0	0.44	319.09	4,145.9	2,868.9	-15.1	-2.2	11.8	0.17	-0.02	21.24
4,246.0	0.76	319.65	4,245.9	2,968.9	-14.3	-2.9	10.8	0.32	0.32	0.56
4,346.0	0.82	320.18	4,345.9	3,068.9	-13.2	-3.8	9.4	0.06	0.06	0.53
4,446.0	0.95	317.50	4,445.9	3,168.9	-12.1	-4.8	7.9	0.14	0.13	-2.68
4,546.0	0.98	331.80	4,545.9	3,268.9	-10.7	-5.7	6.2	0.24	0.03	14.30
4,646.0	1.26	318.98	4,645.9	3,368.9	-9.1	-6.9	4.3	0.37	0.28	-12.82
4,746.0	1.27	330.18	4,745.8	3,468.8	-7.3	-8.1	2.1	0.25	0.01	11.20
4,846.0	1.51	332.17	4,845.8	3,568.8	-5.2	-9.3	-0.3	0.24	0.24	1.99
4,946.0	1.56	336.79	4,945.8	3,668.8	-2.8	-10.4	-3.0	0.13	0.05	4.62

Database:	EQT DB	Local Co-ordinate Reference:	Well Well #514654
Company:	EQT Production - Genesee Shale	TVD Reference:	KB @ 1277.0usft
Project:	Doddridge County, WV	MD Reference:	KB @ 1277.0usft
Site:	Doddridge County 514654	North Reference:	Grid
Well:	Well #514654	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main Wellbore		
Design:	AS Drilled		

Survey											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,046.0	1.40	334.65	5,045.7	3,768.7	-0.4	-11.5	-5.5	0.17	-0.16	-2.14	
5,146.0	1.54	333.87	5,145.7	3,868.7	1.9	-12.6	-8.1	0.14	0.14	-0.78	
5,246.0	1.92	332.16	5,245.7	3,968.7	4.6	-14.0	-11.1	0.38	0.38	-1.71	
5,346.0	1.75	336.74	5,345.6	4,068.6	7.4	-15.4	-14.3	0.22	-0.17	4.58	
5,362.0	1.80	341.54	5,361.6	4,084.6	7.9	-15.6	-14.8	0.98	0.31	30.00	
5,463.0	1.60	344.60	5,462.5	4,185.5	10.8	-16.4	-17.7	0.22	-0.20	3.03	
5,495.0	1.50	340.90	5,494.5	4,217.5	11.6	-16.7	-18.5	0.44	-0.31	-11.56	
5,526.0	1.80	2.30	5,525.5	4,248.5	12.5	-16.8	-19.3	2.19	0.97	69.03	
5,557.0	5.10	22.40	5,556.5	4,279.5	14.2	-16.3	-20.6	11.18	10.65	64.84	
5,589.0	9.30	21.60	5,588.2	4,311.2	17.9	-14.8	-23.0	13.13	13.13	-2.50	
5,620.0	12.80	19.00	5,618.6	4,341.6	23.5	-12.7	-26.7	11.40	11.29	-8.39	
Gyro Tie In MD=5632'											
5,632.0	13.58	17.32	5,630.3	4,353.3	26.1	-11.9	-28.5	7.24	6.50	-14.02	
5,652.0	14.90	14.90	5,649.7	4,372.7	30.9	-10.5	-31.9	7.24	6.60	-12.09	
5,683.0	16.30	14.50	5,679.6	4,402.6	38.9	-8.4	-37.7	4.53	4.52	-1.29	
5,714.0	17.50	14.20	5,709.2	4,432.2	47.6	-6.2	-44.0	3.88	3.87	-0.97	
5,746.0	19.70	15.00	5,739.5	4,462.5	57.5	-3.6	-51.2	6.92	6.88	2.50	
5,777.0	22.80	17.10	5,768.4	4,491.4	68.3	-0.5	-58.8	10.30	10.00	6.77	
5,809.0	26.10	17.10	5,797.6	4,520.6	81.0	3.4	-67.7	10.31	10.31	0.00	
5,840.0	29.50	15.00	5,825.0	4,548.0	94.9	7.4	-77.5	11.41	10.97	-6.77	
5,872.0	32.90	13.60	5,852.3	4,575.3	110.9	11.5	-89.2	10.86	10.63	-4.38	
5,903.0	36.90	13.70	5,877.8	4,600.8	128.2	15.7	-101.8	12.90	12.90	0.32	
5,934.0	41.10	13.60	5,901.8	4,624.8	147.1	20.3	-115.7	13.55	13.55	-0.32	
5,966.0	43.80	16.40	5,925.5	4,648.5	168.0	25.9	-130.7	10.30	8.44	8.75	
5,997.0	41.60	21.90	5,948.2	4,671.2	187.8	32.7	-144.2	13.96	-7.10	17.74	
6,029.0	39.30	28.40	5,972.6	4,695.6	206.6	41.5	-155.8	15.00	-7.19	20.31	
6,060.0	37.30	32.20	5,996.9	4,719.9	223.2	51.2	-165.0	9.96	-6.45	12.26	
6,092.0	36.50	37.80	6,022.5	4,745.5	238.9	62.2	-172.9	10.80	-2.50	17.50	
6,123.0	35.50	41.50	6,047.6	4,770.6	252.9	73.8	-178.9	7.72	-3.23	11.94	
6,154.0	34.00	46.50	6,073.1	4,796.1	265.7	86.1	-183.5	10.39	-4.84	16.13	
6,186.0	32.70	52.60	6,099.8	4,822.8	277.1	99.4	-186.4	11.23	-4.06	19.06	
6,217.0	31.70	57.40	6,126.1	4,849.1	286.5	113.0	-187.6	8.86	-3.23	15.48	
6,249.0	30.50	61.20	6,153.5	4,876.5	295.0	127.2	-187.5	7.19	-3.75	11.88	
6,280.0	29.90	65.40	6,180.3	4,903.3	302.0	141.1	-186.4	7.08	-1.94	13.55	
6,311.0	29.40	70.10	6,207.2	4,930.2	307.8	155.3	-184.1	7.67	-1.61	15.16	
6,343.0	29.50	78.10	6,235.1	4,958.1	312.1	170.4	-180.0	12.29	0.31	25.00	
6,374.0	30.10	85.30	6,262.0	4,985.0	314.3	185.6	-174.1	11.70	1.94	23.23	
6,406.0	30.90	92.40	6,289.6	5,012.6	314.6	201.8	-166.0	11.53	2.50	22.19	
6,437.0	32.50	97.40	6,316.0	5,039.0	313.2	218.0	-156.5	9.92	5.16	16.13	
6,468.0	34.20	100.40	6,341.9	5,064.9	310.6	234.8	-145.5	7.64	5.48	9.68	
6,499.0	37.00	102.60	6,367.1	5,090.1	307.0	252.5	-133.3	9.93	9.03	7.10	
6,531.0	39.80	106.70	6,392.1	5,115.1	301.9	271.7	-119.1	11.82	8.75	12.81	
6,562.0	41.70	110.50	6,415.6	5,138.6	295.5	290.9	-103.7	10.08	6.13	12.26	

Database:	EQT DB	Local Co-ordinate Reference:	Well Well #514654
Company:	EQT Production - Genesee Shale	TVD Reference:	KB @ 1277.0usft
Project:	Doddridge County, WV	MD Reference:	KB @ 1277.0usft
Site:	Doddridge County 514654	North Reference:	Grid
Well:	Well #514654	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main Wellbore		
Design:	AS Drilled		

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,594.0	42.70	115.30	6,439.3	5,162.3	287.1	310.7	-86.4	10.55	3.13	15.00
6,625.0	44.50	119.30	6,461.8	5,184.8	277.3	329.7	-68.2	10.62	5.81	12.90
6,656.0	47.10	123.40	6,483.4	5,206.4	265.7	348.6	-48.5	12.66	8.39	13.23
6,688.0	50.50	125.70	6,504.5	5,227.5	252.0	368.5	-26.6	11.92	10.63	7.19
6,719.0	54.80	127.50	6,523.3	5,246.3	237.3	388.2	-3.8	14.62	13.87	5.81
6,751.0	59.10	128.60	6,540.7	5,263.7	220.8	409.3	21.2	13.74	13.44	3.44
6,782.0	62.10	130.30	6,555.9	5,278.9	203.6	430.2	46.6	10.79	9.68	5.48
6,813.0	64.60	133.40	6,569.9	5,292.9	185.2	450.8	73.1	12.04	8.06	10.00
6,845.0	66.20	135.90	6,583.2	5,306.2	164.7	471.5	101.3	8.69	5.00	7.81
6,876.0	67.60	138.30	6,595.3	5,318.3	143.8	490.9	129.2	8.43	4.52	7.74
6,908.0	69.20	140.40	6,607.1	5,330.1	121.3	510.3	158.5	7.89	5.00	6.56
6,939.0	70.90	142.40	6,617.7	5,340.7	98.5	528.5	187.4	8.18	5.48	6.45
6,970.0	73.40	144.60	6,627.2	5,350.2	74.8	546.0	216.8	10.52	8.06	7.10
7,002.0	75.70	146.50	6,635.7	5,358.7	49.3	563.5	247.5	9.19	7.19	5.94
7,033.0	77.90	148.40	6,642.8	5,365.8	23.9	579.7	277.7	9.27	7.10	6.13
7,064.0	80.00	149.60	6,648.7	5,371.7	-2.2	595.4	308.1	7.77	6.77	3.87
7,097.0	82.20	151.10	6,653.9	5,376.9	-30.5	611.5	340.7	8.04	6.67	4.55
7,160.0	86.20	154.60	6,660.2	5,383.2	-86.3	640.1	403.2	8.42	6.35	5.56
7,191.0	86.40	155.20	6,662.2	5,385.2	-114.3	653.2	434.0	2.04	0.65	1.94
7,254.0	86.60	154.70	6,666.1	5,389.1	-171.3	679.8	496.6	0.85	0.32	-0.79
7,348.0	88.80	154.40	6,669.8	5,392.8	-256.1	720.2	590.0	2.36	2.34	-0.32
7,442.0	89.10	157.20	6,671.6	5,394.6	-341.8	758.7	683.4	3.00	0.32	2.98
7,537.0	89.10	156.50	6,673.1	5,396.1	-429.1	796.0	777.5	0.74	0.00	-0.74
7,631.0	89.40	157.60	6,674.3	5,397.3	-515.7	832.7	870.5	1.21	0.32	1.17
7,725.0	90.00	158.20	6,674.8	5,397.8	-602.8	868.1	963.4	0.90	0.64	0.64
7,819.0	90.20	154.00	6,674.6	5,397.6	-688.7	906.1	1,056.7	4.47	0.21	-4.47
7,914.0	90.70	155.40	6,673.9	5,396.9	-774.6	946.7	1,151.2	1.56	0.53	1.47
8,008.0	90.40	152.40	6,673.0	5,396.0	-859.0	988.1	1,244.9	3.21	-0.32	-3.19
8,102.0	90.30	149.90	6,672.4	5,395.4	-941.3	1,033.4	1,338.8	2.66	-0.11	-2.66
8,196.0	89.80	154.10	6,672.3	5,395.3	-1,024.3	1,077.5	1,432.6	4.50	-0.53	4.47
8,290.0	90.20	152.10	6,672.3	5,395.3	-1,108.1	1,120.1	1,526.4	2.17	0.43	-2.13
8,384.0	90.00	155.60	6,672.1	5,395.1	-1,192.5	1,161.5	1,620.1	3.73	-0.21	3.72
8,478.0	90.20	153.90	6,672.0	5,395.0	-1,277.5	1,201.6	1,713.6	1.82	0.21	-1.81
8,572.0	90.40	152.50	6,671.5	5,394.5	-1,361.4	1,244.0	1,807.3	1.50	0.21	-1.49
8,667.0	89.00	154.20	6,672.0	5,395.0	-1,446.3	1,286.6	1,902.1	2.32	-1.47	1.79
8,761.0	88.60	156.10	6,674.0	5,397.0	-1,531.5	1,326.1	1,995.5	2.07	-0.43	2.02
8,855.0	88.80	154.50	6,676.1	5,399.1	-1,616.9	1,365.3	2,088.9	1.71	0.21	-1.70
8,948.0	88.50	153.60	6,678.3	5,401.3	-1,700.5	1,406.0	2,181.5	1.02	-0.32	-0.97
9,042.0	88.90	154.50	6,680.4	5,403.4	-1,785.0	1,447.1	2,275.2	1.05	0.43	0.96
9,136.0	89.80	156.30	6,681.5	5,404.5	-1,870.5	1,486.3	2,368.6	2.14	0.96	1.91
9,231.0	89.80	155.90	6,681.8	5,404.8	-1,957.3	1,524.8	2,462.8	0.42	0.00	-0.42
9,325.0	89.90	153.90	6,682.1	5,405.1	-2,042.5	1,564.6	2,556.3	2.13	0.11	-2.13
9,419.0	90.40	155.10	6,681.8	5,404.8	-2,127.3	1,605.1	2,649.9	1.38	0.53	1.28



Phoenix Technologies, Inc.
Survey Report



17-06186

Database:	EQT DB	Local Co-ordinate Reference:	Well Well #514654
Company:	EQT Production - Genesee Shale	TVD Reference:	KB @ 1277.0usft
Project:	Doddridge County, WV	MD Reference:	KB @ 1277.0usft
Site:	Doddridge County 514654	North Reference:	Grid
Well:	Well #514654	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main Wellbore		
Design:	AS Drilled		

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,513.0	89.70	155.60	6,681.7	5,404.7	-2,212.7	1,644.3	2,743.3	0.92	-0.74	0.53
9,607.0	90.70	156.40	6,681.4	5,404.4	-2,298.6	1,682.5	2,836.7	1.36	1.06	0.85
9,701.0	91.30	154.20	6,679.8	5,402.8	-2,384.0	1,721.8	2,930.1	2.43	0.64	-2.34
9,795.0	89.60	154.80	6,679.0	5,402.0	-2,468.8	1,762.3	3,023.6	1.92	-1.81	0.64
9,889.0	90.00	158.40	6,679.3	5,402.3	-2,555.1	1,799.6	3,116.8	3.85	0.43	3.83
9,984.0	90.10	159.50	6,679.3	5,402.3	-2,643.7	1,833.7	3,210.4	1.16	0.11	1.16
10,078.0	90.20	155.90	6,679.0	5,402.0	-2,730.7	1,869.4	3,303.3	3.83	0.11	-3.83
10,172.0	90.20	153.80	6,678.7	5,401.7	-2,815.8	1,909.3	3,396.8	2.23	0.00	-2.23
10,266.0	89.80	154.90	6,678.7	5,401.7	-2,900.5	1,950.0	3,490.4	1.25	-0.43	1.17
10,360.0	89.00	154.90	6,679.7	5,402.7	-2,985.6	1,989.9	3,583.9	0.85	-0.85	0.00
10,455.0	89.20	155.50	6,681.2	5,404.2	-3,071.8	2,029.7	3,678.4	0.67	0.21	0.63
10,549.0	89.50	156.40	6,682.2	5,405.2	-3,157.7	2,068.0	3,771.7	1.01	0.32	0.96
10,642.0	89.70	154.60	6,682.9	5,405.9	-3,242.3	2,106.6	3,864.1	1.95	0.22	-1.94
10,736.0	89.50	150.40	6,683.5	5,406.5	-3,325.7	2,150.0	3,957.9	4.47	-0.21	-4.47
10,830.0	89.00	150.90	6,684.8	5,407.8	-3,407.6	2,196.1	4,051.8	0.75	-0.53	0.53
10,924.0	90.40	153.10	6,685.3	5,408.3	-3,490.6	2,240.2	4,145.7	2.77	1.49	2.34
11,018.0	89.00	154.40	6,685.8	5,408.8	-3,574.9	2,281.8	4,239.4	2.03	-1.49	1.38
11,112.0	89.30	157.10	6,687.1	5,410.1	-3,660.6	2,320.4	4,332.7	2.89	0.32	2.87
11,206.0	89.50	155.40	6,688.1	5,411.1	-3,746.6	2,358.2	4,426.0	1.82	0.21	-1.81
11,300.0	89.30	150.30	6,689.1	5,412.1	-3,830.2	2,401.1	4,519.7	5.43	-0.21	-5.43
11,394.0	90.00	151.80	6,689.7	5,412.7	-3,912.5	2,446.6	4,613.7	1.76	0.74	1.60
11,488.0	89.20	154.70	6,690.3	5,413.3	-3,996.4	2,488.9	4,707.4	3.20	-0.85	3.09
11,582.0	88.50	159.00	6,692.2	5,415.2	-4,082.8	2,525.8	4,800.5	4.63	-0.74	4.57
11,676.0	90.00	161.70	6,693.5	5,416.5	-4,171.3	2,557.4	4,892.6	3.29	1.60	2.87
11,770.0	90.20	159.20	6,693.3	5,416.3	-4,259.9	2,588.9	4,984.8	2.67	0.21	-2.66
11,864.0	89.80	158.40	6,693.3	5,416.3	-4,347.5	2,622.9	5,077.4	0.95	-0.43	-0.85
11,959.0	88.10	157.60	6,695.0	5,418.0	-4,435.6	2,658.5	5,171.2	1.98	-1.79	-0.84
Last Survey MD=12001'										
12,001.0	88.10	156.60	6,696.4	5,419.4	-4,474.2	2,674.8	5,212.8	2.38	0.00	-2.38
Projection to TD MD=12056'										
12,056.0	88.10	156.60	6,698.3	5,421.3	-4,524.7	2,696.6	5,267.3	0.00	0.00	0.00

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
5,632.0	5,630.3	26.1	-11.9	Gyro Tie In MD=5632'
12,001.0	6,696.4	-4,474.2	2,674.8	Last Survey MD=12001'
12,056.0	6,698.3	-4,524.7	2,696.6	Projection to TD MD=12056'

Checked By: _____ Approved By: _____ Date: _____

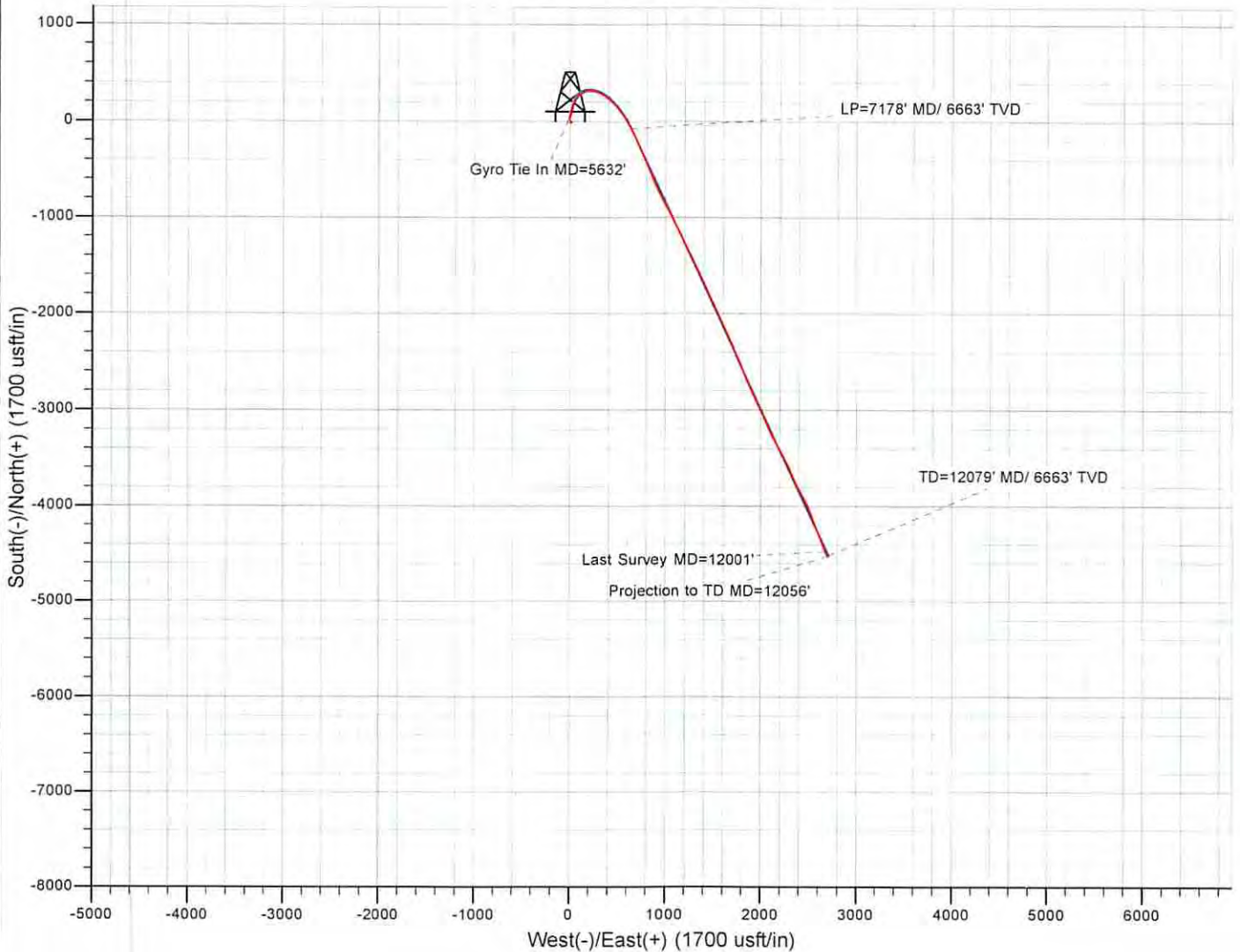
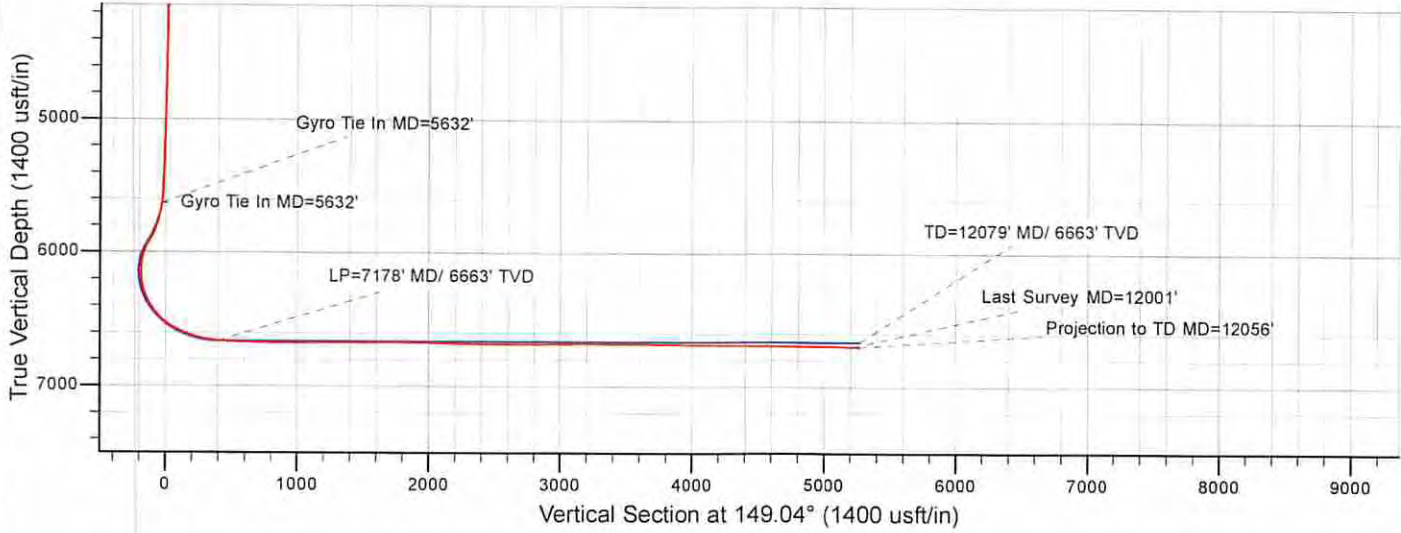
17-06186

PHOENIX
TECHNOLOGY SERVICES



EQT Production - Geneseo Shale

Project: Doddridge County, WV
Site: Doddridge County 514654
Well: Well #514654
Wellbore: Main Wellbore
Design: AS Drilled



10/31/2014

514654 - Stimulated Stages

API: 47-017-06186

Stage Number	Stimulation 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)
Toe Pop	2/14/14 6:29	10.90	7,475.00	NA	3,982	NA	904	0
1	2/14/14 11:39	93.90	8,370.00	6,995.00	3,522	200,700	5,115	0
2	2/14/14 15:54	96.10	8,282.00	7,111.00	3,778	202,800	5,371	0
3	2/14/14 23:31	91.60	8,560.00	7,846.00	3,464	202,400	5,206	0
4	2/15/14 7:05	92.20	8,450.00	7,326.00	4,099	197,900	6,165	0
5	2/15/14 12:32	91.00	8,608.00	6,410.00	3,987	202,800	5,370	0
6	2/15/14 15:07	90.00	8,217.00	6,685.00	3,627	207,200	5,547	0
7	2/16/14 6:30	94.40	8,505.00	6,229.00	4,017	202,300	5,154	0
8	2/16/14 23:15	96.80	8,293.00	6,118.00	3,499	198,100	5,241	0
9	2/17/14 8:04	87.40	8,494.00	7,239.00	4,020	201,400	5,213	0
10	2/17/14 14:21	91.30	8,498.00	6,073.00	3,921	200,900	4,935	0
11	2/17/14 19:53	96.20	8,165.00	6,725.00	4,102	197,900	4,732	0
12	2/18/14 1:58	96.30	8,019.00	6,606.00	4,012	204,000	4,969	0
13	2/18/14 6:11	96.30	8,308.00	6,768.00	4,043	201,300	4,859	0
14	2/18/14 10:00	94.30	8,274.00	6,511.00	3,938	202,200	4,825	0
15	2/18/14 19:56	95.70	8,040.00	7,410.00	3,876	201,800	5,364	0
16	2/18/14 23:51	98.60	8,160.00	7,804.00	4,096	202,600	5,178	0
17	2/19/14 5:00	97.30	8,094.00	7,620.00	4,010	202,400	5,065	0
18	2/19/14 12:41	73.83	8,566.00	6,618.00	3,726	202,200	5,828	0
19	2/20/14 0:51	94.30	8,131.00	7,405.00	3,820	200,500	5,249	0
20	2/20/14 4:38	90.20	8,331.00	6,859.00	3,790	201,700	5,372	0
21	2/20/14 10:00	96.20	7,750.00	7,547.00	3,740	201,900	4,884	0
22	2/20/14 18:15	97.60	7,768.00	7,433.00	3,991	200,700	5,037	0
23	2/21/14 2:05	90.10	8,067.00	6,588.00	3,643	199,800	5,342	0
24	2/21/14 6:00	91.10	7,920.00	6,442.00	3,863	200,900	5,933	0
25	2/21/14 17:29	94.60	7,611.00	6,746.00	3,889	201,100	4,900	0
26	2/22/14 0:17	97.70	7,641.00	6,260.00	3,927	201,100	4,920	0
27	2/22/14 4:16	81.00	8,011.00	6,574.00	3,692	198,300	5,692	0
28	2/22/14 10:00	15.40	8,407.00	7,065.00	6,537	2,600	3,067	0
28.1 (Re-Perf)	2/22/14 18:50	95.60	7,137.00	NA	3,567	204,100	4,396	0
29	2/23/14 1:03	93.00	7,449.00	7,490.00	3,676	203,100	4,698	0
30	2/23/14 6:31	93.00	7,185.00	6,623.00	3,628	202,500	4,789	0
31	2/23/14 11:14	98.40	7,398.00	5,969.00	3,712	201,000	4,720	0
32	2/23/14 14:53	96.80	7,797.00	6,706.00	3,646	200,400	4,613	0
33	2/23/14 18:20	99.90	7,676.00	6,972.00	3,691	196,300	4,715	0

514654 - Perforations

API: 47-017-06186

Stage Number	Perforation Date	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Number of Shots	Formation
Toe Pop	2/14/2014 4:08	12,029.00	12,031.00	10	Marcellus
1	2/14/2014 9:39	11,907.00	11,999.00	32	Marcellus
2	2/14/2014 14:22	11,757.00	11,879.00	40	Marcellus
3	2/14/2014 21:48	11,607.00	11,729.00	40	Marcellus
4	2/15/2014 2:35	11,457.00	11,579.00	40	Marcellus
5	2/15/2014 10:36	11,307.00	11,429.00	40	Marcellus
6	2/15/2014 15:35	11,157.00	11,279.00	40	Marcellus
7	2/15/2014 21:23	11,007.00	11,129.00	40	Marcellus
8	2/16/2014 19:46	10,857.00	10,979.00	40	Marcellus
9	2/17/2014 1:30	10,707.00	10,829.00	40	Marcellus
10	2/17/2014 11:10	10,557.00	10,679.00	40	Marcellus
11	2/17/2014 16:59	10,407.00	10,531.00	40	Marcellus
12	2/17/2014 22:53	10,257.00	10,379.00	40	Marcellus
13	2/18/2014 3:43	10,107.00	10,229.00	40	Marcellus
14	2/18/2014 8:00	9,957.00	10,079.00	40	Marcellus
15	2/18/2014 10:10	9,807.00	9,927.00	40	Marcellus
16	2/18/2014 22:42	9,657.00	9,779.00	40	Marcellus
17	2/19/2014 2:40	9,507.00	9,629.00	40	Marcellus
18	2/19/2014 9:43	9,357.00	9,479.00	40	Marcellus
19	2/19/2014 14:08	9,207.00	9,329.00	40	Marcellus
20	2/20/2014 3:37	9,057.00	9,179.00	40	Marcellus
21	2/20/2014 7:50	8,907.00	9,029.00	40	Marcellus
22	2/20/2014 15:39	8,757.00	8,879.00	40	Marcellus
23	2/20/2014 20:54	8,607.00	8,729.00	40	Marcellus
24	2/21/2014 5:32	8,457.00	8,579.00	40	Marcellus
25	2/21/2014 13:26	8,307.00	8,427.00	40	Marcellus
26	2/21/2014 20:47	8,157.00	8,279.00	40	Marcellus
27	2/22/2014 2:55	8,007.00	8,129.00	40	Marcellus
28	2/22/2014 7:13	7,857.00	7,979.00	40	Marcellus
28 (Re-Perf)	2/22/2014 15:35	7,782.00	7,845.00	32	Marcellus
29	2/22/2014 21:30	7,632.00	7,754.00	40	Marcellus
30	2/23/2014 3:33	7,482.00	7,604.00	40	Marcellus
31	2/23/2014 9:00	7,332.00	7,454.00	40	Marcellus
32	2/23/2014 13:32	7,182.00	7,304.00	40	Marcellus
33	2/23/2014 17:10	7,032.00	7,154.00	40	Marcellus

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	2/14/2014
Job End Date:	2/23/2014
State:	West Virginia
County:	Doddridge
API Number:	47-017-06186-00-00
Operator Name:	EQT Production
Well Name and Number:	514654
Longitude:	-80.73831500
Latitude:	39.26282300
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	6,698
Total Base Water Volume (gal):	7,516,252
Total Base Non Water Volume:	307,912



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
Water	Halliburton	Carrier	Water	7732-18-5	100.00000	90.05603	
Sand	Halliburton	Proppant	Crystalline Silica	14808-60-7	100.00000	9.56061	
Hydrochloric Acid 15%	Halliburton	Acidizing	Hydrochloric Acid	7647-01-0	15.00000	0.16847	
MX-5	Halliburton	Biocide	Sodium Nitrate	7631-99-4	60.00000	0.09401	
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.07064	
LP-65	Halliburton	Scale Inhibitor	Ammonium Chloride	12125-02-9	10.00000	0.02452	
BA-40L	Halliburton	Buffer	Potassium carbonate	584-08-7	60.00000	0.01100	
MX-8	Halliburton	Biocide	Bacteria Culture	0000-00-0	100.00000	0.00952	
WG-36	Halliburton	Gelling Agent	Guar Gum	9000-30-0	100.00000	0.00490	
Methanol	Halliburton	Corrosion inhibitor					

17-06186

			Methanol	67-56-1	60.00000	0.00017
SP Breaker	Halliburton	Oxidizing Breaker				
			Sodium Persulfate	7775-27-1	100.00000	0.00010
Propargyl Alcohol	Halliburton	Corrosion inhibitor				
			Propargyl Alcohol	107-19-7	10.00000	0.00003

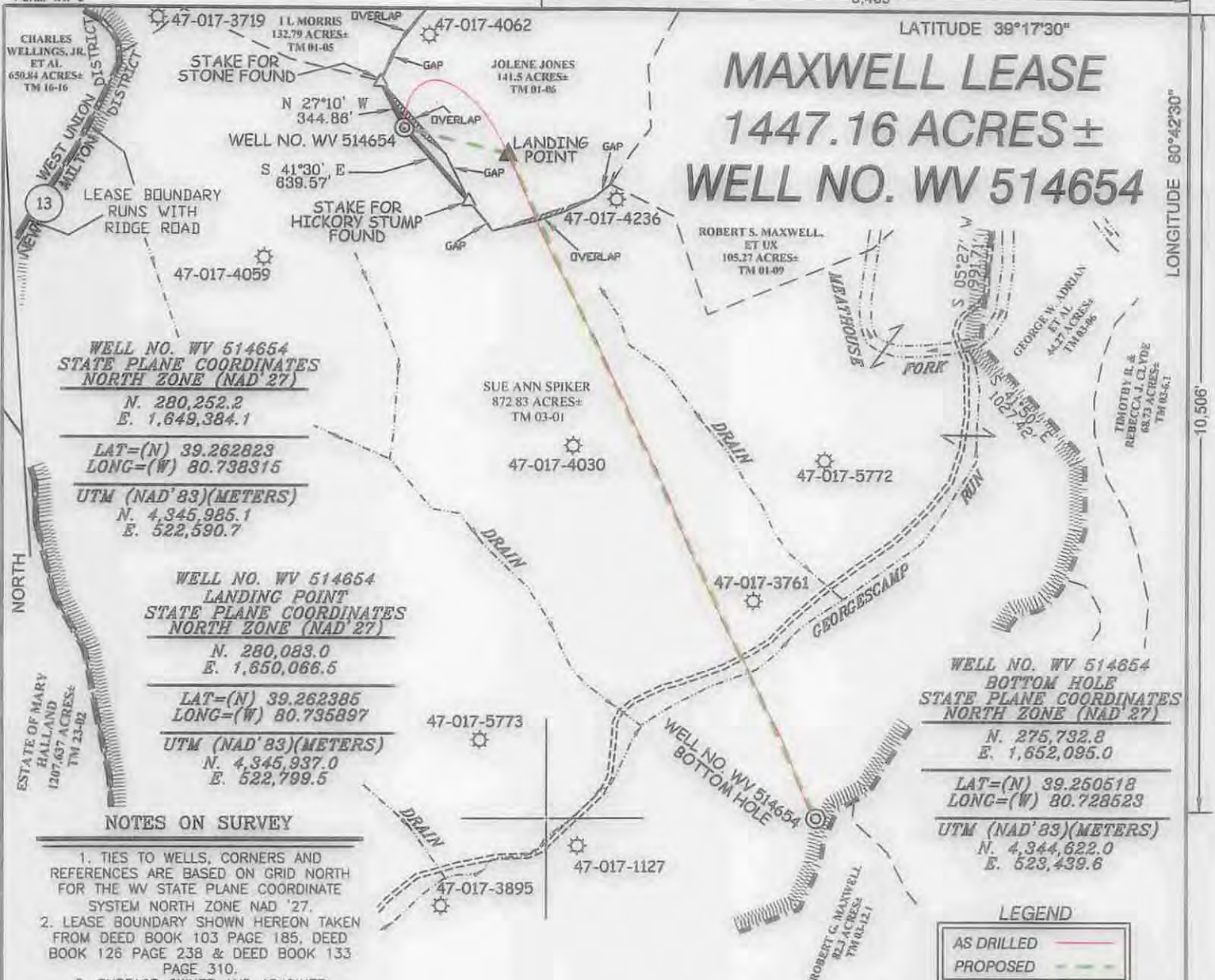
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

- * Total Water Volume sources may include fresh water, produced water, and/or recycled water
- ** Information is based on the maximum potential for concentration and thus the total may be over 100%

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)

1706186

MAXWELL LEASE 1447.16 ACRES± WELL NO. WV 514654



WELL NO. WV 514654
STATE PLANE COORDINATES
NORTH ZONE (NAD 27)
N. 280,252.2
E. 1,649,384.1
LAT=(N) 39.262823
LONG=(W) 80.738315
UTM (NAD'83)(METERS)
N. 4,345,985.1
E. 522,590.7

WELL NO. WV 514654
LANDING POINT
STATE PLANE COORDINATES
NORTH ZONE (NAD 27)
N. 280,083.0
E. 1,650,066.5
LAT=(N) 39.262385
LONG=(W) 80.735897
UTM (NAD'83)(METERS)
N. 4,345,937.0
E. 522,799.5

WELL NO. WV 514654
BOTTOM HOLE
STATE PLANE COORDINATES
NORTH ZONE (NAD 27)
N. 275,732.8
E. 1,652,095.0
LAT=(N) 39.260518
LONG=(W) 80.728523
UTM (NAD'83)(METERS)
N. 4,344,622.0
E. 523,439.6

NOTES ON SURVEY

1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 103 PAGE 185, DEED BOOK 126 PAGE 238 & DEED BOOK 133 PAGE 310.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2012.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE TIE TO CORS NETWORK).
5. ORIGINAL PLAT REVISED 04/26/13 TO CHANGE TARGET FORMATION AND BOTTOM HOLE COORDINATES, ETC.
6. PLAT UPDATED 07/15/14 TO SHOW THE AS DRILLED PATH INFORMATION PROVIDED BY EQT ON 12/16/13.



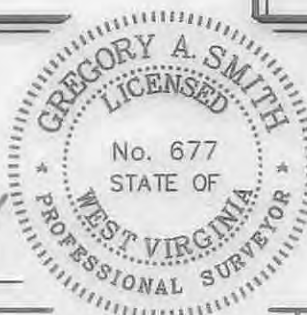
AS DRILLED INFORMATION

WELL NO. WV 514654 BOTTOM HOLE STATE PLANE COORDINATES NORTH ZONE (NAD 27) N. 275,727.5 E. 1,652,080.7 LAT=(N) 39.250503 LONG=(W) 80.728573 UTM (NAD'83)(METERS) N. 4,344,620.4 E. 523,435.2	WELL NO. WV 514654 STATE PLANE COORDINATES NORTH ZONE (NAD 27) N. 280,252.2 E. 1,649,384.1 LAT=(N) 39.262823 LONG=(W) 80.738315 UTM (NAD'83)(METERS) N. 4,345,985.1 E. 522,590.7
---	--

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
677

Gregory A. Smith



(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE DECEMBER 12, 20 12
REVISED DATES 04/26/13 & 07/15/14
OPERATORS WELL NO. WV 514654
API WELL NO. 47-017-06186
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7428ASDRILLED514654
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1,000'

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



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

LOCATION:
ELEVATION 1254' (PAD ELEVATION) WATERSHED TRIBUTARY OF GEORGESCAMP RUN
DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'
SURFACE OWNER SUE ANN SPIKER ACREAGE 872.83±
ROYALTY OWNER LEWIS MAXWELL HEIRS LEASE ACREAGE 1447.16± LEASE NO. 080617
PROPOSED WORK:
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION GENESEO
ESTIMATED DEPTH _____

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

10/31/2014

COUNTY PERMIT