



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT

DEP USE ONLY	
Auth No. 1257715	APS No. 936573
Site No. 761246	PF No. 817030
Client No. 268470	SF No.

APPLICATION FOR INACTIVE WELL STATUS

Well Operator Rice Drilling B LLC		DEP Client ID No. 268470	Well Permit or Registration No. 059-27403	
Address 2400 Ansys Drive, Suite 200			Well Farm Name Cosgray	Well No. 9
City Canonsburg		State PA	Zip Code 15317	Serial No.
Telephone No. 724-271-7380	Fax No. 724-745-2418	Bond Instrument No. 9399		County Greene
				Municipality Franklin Twp
Is this an application for annual extension of inactive status? ☐ Yes ☒ No Check here if this application is being submitted for conditional inactive status in association with longwall mining: ☐				
Condition of the Well	Describe in detail how the condition of the well satisfies the criteria for approval of inactive status. See 25 Pa. Code §§ 78/78a.102(i), (2)(i) or (ii) and (3). Use additional sheets if necessary. If available, attach well records, driller's logs, and other information describing well casing, cement, equipment, and any other pertinent information. Note that if this application is being submitted in conformance with DEP Technical Guidance Document 800-0810-004 <i>Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells</i> , the Well Record/Completion Report may be referenced for all well construction information, and all tubing and annular pressures should be at 0 prior to adjacent longwall mining encroaching within 1,500 feet of the well location. Finally, all annuli should be open to the atmosphere and the inactivation procedure may be referenced under the section titled "Other information about the well's condition."			
Well Type: ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal				
Casing Diameters: 26"	Casing Lengths: 40'	Type and amount of cement (sacks) used for surface casing: 667 Sacks Class A Cement		
18-5/8"	330'	Tubing or Production Casing Pressure (current): 0 psi		
13-3/8"	654'			
9-5/8"	2213'	Annulus Pressure (current - between tubing or production casing and surface casing): 0 psi		
Tubing or production casing diameter: N/A	Tubing or production casing length: N/A	Are all annuli open to atmosphere? ☐ Yes ☒ No		
Other information about the well's condition: Well was drilled to 7,126 ftMD / 6,565 ftTVD. The 9-5/8" casing was run to 2,213' and cemented to surface with 880 sks Class A cement. The well is shut in awaiting a rig to drill the curve and lateral sections of the well. Please refer to the attached supporting documentation for more information on the well's current condition.				
Future Use of the Well	Describe a viable plan in accordance with 25 Pa. Code §78/78a.102(4) explaining the intended use of the well within a reasonable time. Provide the information requested below and any other information necessary for DEP to make a determination on inactive status for this well. Note that if this application is being submitted in conformance with DEP Technical Guidance Document 800-0810-004 <i>Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells</i> , the following text may be entered under the section regarding the future plan for the well: "Return well to production subsequent to final panel extraction when mining is at least 1,500 feet beyond well in chain pillar, as per re-entry procedure and TGD."			
Provide certification that one of the following applies (check one): ☒ Significant reserves remain in place and I plan to return the well to production. Provide estimate of reserves: MMcf: 33,300 Bbls: 0 The well will be used for: ☐ Disposal ☐ Storage ☐ Observation ☐ Injection - Recovery ☐ Other (describe) This well will be returned to use in: Month: TBD Year: 2020				



State your plan for future use of the well.

EQT plans to return in the second quarter of 2020 to drill the curve and lateral sections of the wellbore then complete stimulation operations and start production in the first quarter of 2021.

Conditional Inactive Status Checklist

For unconventional wells drilled in anticipated chain pillar locations that are being temporarily inactivated to accommodate planned, adjacent longwall mining, please provide the items included in the checklist below in addition to this application. More specific information about these items is detailed in DEP Technical Guidance Document 800-0810-004 *Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells*.

Please include the following items with the inactive status application:

- ☐ Temporary Well Inactivation Procedure
 ☐ Temporary Inactivation Well Schematic
 ☐ General Specifications for Cements/Gels
☐ Current Well Record and Completion Report
 ☐ Well Location Plat
 ☐ Electrical/Mechanical Well Logs
☐ Graphical Production History Summary
 ☐ Well Re-entry Procedure
 ☐ Post-mining Well Long-term Monitoring Procedure

Provide additional details, if necessary.

Signature of Applicant (Well Operator)

Signature

Date

1/8/2019

Print or type signer's
name and title:

John Zavatchan, Landman IV

DEP USE ONLY

☒ Approved

☐ Denied

Date

by (DEP Manager):

3/21/19

Form



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT

Well Record
(Unconventional Operators Only)

DEP USE ONLY	
Site ID	Client Id
Primary Facility Id	Sub Facility Id

WELL INFORMATION									
Well Operator RICE DRILLING B LLC			DEP ID# 268470		Well API # 37-059-27403-00-00		Well Farm Name COSGRAY		Well # 9
Address 2200 ENERGY DRIVE			LAT 39.904030 LONG -80.170065		NAD 83		Project Number N/A		Serial # 596140
City CANONSBURG			State PA	Zip 15317	Municipality FRANKLIN TWP		County GREENE		
Phone 412-395-3205		Email DDoebareiner@egt.com		Borrow Pit		USGS 7.5 min. quadrangle map WAYNESBURG			Section 8
Check the appropriate Submission: ☒ Original Well Record ☐ Amended Well Record									
Well Type		☒ Gas							
Well Orientation		☐ Vertical ☒ Deviated from Vertical (Top & Side views & Deviation Survey must be attached)							
Drill Method(s)		☒ Rotary - Air 7,126' ☐ Rotary - Mud ' ☐ Cable Tool ' ☐ Other '							
Drilling Started 12/30/2017		Surface Elev. 1108'		GW Depth 14'		Wellbore Conditioning: SURFACE: PUMPED 166 BBLs H2O, 50 BBLs GEL, 5 BBLs H2O SPACER @ 5 BPM.			
Drilling Complete 3/11/2018		True Vertical Depth 6,565'		Depth of DFGW 271'		COAL: PUMPED 209 BBLs H2O, PUMPED 50 BBLs GEL, 5 BBLs H2O SPACER @ 5 BPM.			
Date Well Completed		Total Measured Depth 7,126		DFGW decided by: 1 & 5		INTERMEDIATE: PUMPED 305 BBLs KCL H2O, 60 BBLs GEL, 10 BBLs H2O SPACER @ 5 BPM.			
Top Hole Drilling 03/04/2018 - 03/11/2018		Bottom Hole Drilling							

CEMENT

Cement returned on surface casing? ☒ Yes ☐ No		If No, provide depth to top of cement and method used to determine: N/A		☒ NA			
Cement returned on coal protective casing? ☒ Yes ☐ No		If No, provide depth to top of cement and method used to determine: N/A		☒ NA			
Cement returned on intermediate casing? ☒ Yes ☐ No		If No, provide depth to top of cement and method used to determine: N/A		☒ NA			
Casing String	Type/Class of Cement (Lead/Tail)	Slurry Temp F°	Amount of Cement (sks) (Lead/Tail/Total)	WOC hrs	Lead Tail	Lead Tail	Gas Migration Controls Used
Conductor	N/A / CLASS A	72 °	0 / 75 / 75	72 +	Lead: N/A Tail: 15.6	Lead: N/A Tail: 1.18	What controls were used if any (additives/ hardware. Specify type and depth applicable). Casing Hangers
Surface	N/A / CLASS A	72 °	0 / 667 / 667	8	Lead: N/A Tail: 16.0	Lead: N/A Tail: 1.13	
Coal Protective	N/A / CLASS A	72 °	0 / 677 / 677	19.25	Lead: N/A Tail: 16.0	Lead: N/A Tail: 1.13	
Intermediate	N/A / CLASS A	78 °	0 / 880 / 880	11.25	Lead: N/A Tail: 15.6	Lead: N/A Tail: 1.18	
Total 2,299 sks							
If additional strings attach form(s)							

CASING AND TUBING

Hole Size	Pipe Size	Wt. #/ft.	Grade Casing / Tubing Type	Thread / Weld - New/ Used	Amount in Well (ft.)	CO	R	Hardware - Baskets / Packer / Centralizers (Total/String)			Date Run
								Type	Size	Depth	
30	26	85.6	A-500	T - N	40'	US	Y	N/A	N/A	N/A	12/30/2017
24	18-5/8	87.5	J-55	T - N	330'	GB	Y	Centralizers: 3 Cement Baskets: N/A Float Shoe: 1 Float Collar: 1	Centralizers: 24" Cement Baskets: 24" Float Shoe: 19 5/8" Float Collar: 19 5/8"	Centralizers: 44' - 287' Cement Baskets: N/A. Float Shoe: 328' Float Collar: 285'	03/04/2018
17-1/2	13-3/8	54.5	J-55	T - N	654'	US	Y	Centralizers: 6 Cement Baskets: 1 Float Shoe: 1 Float Collar: 1	Centralizers: 17 1/2" Cement Baskets: 17 1/2" Float Shoe: 14 3/8" Float Collar: 14 3/8"	Centralizers: 32' - 611' Cement Baskets: 570' Float Shoe: 652' Float Collar: 610'	03/05/2018
12-3/8	9-5/8	40	A-500	T - N	2213'	US	Y	Centralizers: 18 Cement Bskts: N/A CAP: N/A Float Shoe: 1 Float Collar: 1	Centralizers: 12 3/8" Cement Bskts: 12 3/8" CAP: 10 8/9" Float Shoe: 10 5/8" Float Collar: 10 5/8"	Centralizers: 22' - 2169' Cement Bskts: N/A CAP: N/A Float Shoe: 2211' Float Collar: 2167'	03/07/2018

If any casing is welded, provide the name(s) of the welder(s): N/A

PLUG-BACK/WELLBORE ALTERATION

Fill Material & Plugs	Depth		Date	Casing & Tubing		
	From	To		Size	Pulled	Left

Form

LOG OF FORMATIONS

Well API#: 37-059-27403-00-00

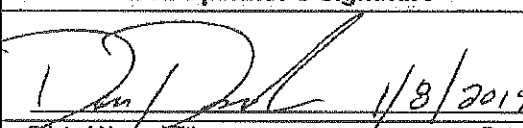
(If you will need more space than this page, please photocopy the blank form before filling it in.)

Formation Name or Lithology	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data	
SAND/SHALE	1	174			F- 14, 42, 69 F - 271	Geologist-Driller's Log	
WAYNESBURG A COAL	174	178				Geologist-Driller's Log	
SAND/SHALE	178	284				Geologist-Driller's Log	
WAYNESBURG COAL	284	290				Geologist-Driller's Log	
SAND/SHALE	290	520				Geologist-Driller's Log	
SEWICKLEY COAL	520	524				Geologist-Driller's Log	
SAND/SHALE	524	604				Geologist-Driller's Log	
PITTSBURGH COAL	604	611				Geologist-Driller's Log	
SAND/SHALE	611	2034				Geologist-Driller's Log	
BIG LIME	2034	2107				Geologist-Driller's Log	
BURGOON	2107	2387				Geologist-Driller's Log	
SAND/SHALE	2387	2494				Geologist-Driller's Log	
BEREA	2494	2512				Geologist-Driller's Log	
SAND/SHALE	2512	2673				Geologist-Driller's Log	
GANTZ	2673	2724				Geologist-Driller's Log	
SAND/SHALE	2724	2824				Geologist-Driller's Log	
FIFTY FOOT	2824	2923				Geologist-Driller's Log	
SAND/SHALE	2923	2964				Geologist-Driller's Log	
THIRTY FOOT	2964	2969				Geologist-Driller's Log	
SAND/SHALE	2969	3040				Geologist-Driller's Log	
GORDON	3040	3081				Geologist-Driller's Log	
SAND/SHALE	3081	3088				Geologist-Driller's Log	
FOURTH SAND	3088	3143				Geologist-Driller's Log	
SAND/SHALE	3143	3260				Geologist-Driller's Log	
BAYARD	3260	3303				Geologist-Driller's Log	
SAND/SHALE	3303	3699				Geologist-Driller's Log	
UPPER SPEECHLEY	3699	3911				Geologist-Driller's Log	
SPEECHLEY	3911	4044				Geologist-Driller's Log	
SAND/SHALE	4044	4076				Geologist-Driller's Log	
BALLTOWN	4076	4460				Geologist-Driller's Log	
SAND/SHALE	4460	4503				Geologist-Driller's Log	
BRADFORD	4503	4918				Geologist-Driller's Log	
SAND/SHALE	4918	5092				Geologist-Driller's Log	
BENSON	5092	5142				Geologist-Driller's Log	
SAND/SHALE	5142	5307				Geologist-Driller's Log	
ALEXANDER	5307	5473				Geologist-Driller's Log	
SAND/SHALE	5473	5511				Geologist-Driller's Log	
ELK	5511	6565				Geologist-Driller's Log	
						Open hole logs were taken on wells 596138, 596470 and 3705926476 and used to help determine formations.	
If no show of oil, gas or water, explain why: There were no noticeable oil or gas shows present while drilling the wellbore.							

Form

WELL SERVICE COMPANIES (Provide the name, address, and telephone number of all well service companies involved.)			
Casing Source/ Hardware Supplier	Cementing Company	Hardware Supplier	Logging Company
Name Miller Supply	Name Universal Pressure Pumping, Inc.	Name Summit Casing Equipment	Name Baker Hughes
Address 5484 Rt. 286 Hwy East	Address 13549 S. Mosiertown Road	Address PO Box 34210	Address 400 Technology Drive - Suite 100
City - State - Zip Indiana, PA 15701	City - State - Zip Meadville, PA 16335	City - State - Zip Fort Worth, TX 76162	City - State - Zip Canonsburg, PA 15317
Phone 724-465-8875	Phone 800-758-9880	Phone 817-529-2400	Phone 724-514-5231
Logging Company	Logging Company		
Name Gyrodata Incorporated	Name Scientific Drilling International		
Address 73 Noblestown Road	Address 124 Vista Drive		
City - State - Zip Carnegie, PA 15106	City - State - Zip Charleroi, PA 15022		
Phone 412-257-2201	Phone 724-348-2500		

I do hereby certify to the best of my knowledge, information and belief that the well identified on this Well Record has been properly cased and cemented in accordance with the requirements of 25 Pa. Code Chapter 78 and any conditions contained in the permit for this well. In addition, I do hereby certify that any casing which is attached to a blow-out preventer with a pressure rating greater than 3,000 psi has passed a pressure test in accordance with 25 Pa. Code §78.84(f). I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Driller		Well Operator's Signature		DEP USE ONLY	
Name Falcon Drilling Company LLC	Rig: 29	 1/8/2019		Reviewed by:	
Address 1120 Rt 119 Hwy North				Comments:	
City - State - Zip Indiana, PA 15701		Printed Name / Title: Mr. Dan Doeberelner / Director of Drilling		Date: 01/8/2019	
Phone 724-349-8131					



Where energy meets innovation.

EQT PRODUCTION

Greene County, PA

Cosgray Pad (Coal Restriction Line)

WAY10H9 (596140) - Slot H9

Main

Design: 596140 As Drilled

Standard Survey Report

17 December, 2018



EQT

Survey Report

Database:	EDM_Definitive	Local Co-ordinate Reference:	Well WAY10H9 (596140) - Slot H9
Company:	EQT PRODUCTION	TVD Reference:	KB @13' @ 1121.000usft
Project:	Greene County, PA	MD Reference:	KB @13' @ 1121.000usft
Site:	Cosgray Pad (Coal Restriction Line)	North Reference:	Grid
Well:	WAY10H9 (596140)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main		
Design:	596140 As Drilled		

Project	Greene County, PA		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Pennsylvania South 3702		

Site	Cosgray Pad (Coal Restriction Line)		
Site Position:		Northing:	215,744.815 usft
From:	Lat/Long	Easting:	1,320,994.973 usft
Position Uncertainty:	0.000 usft	Slot Radius:	13-3/16 "
		Latitude:	39.90
		Longitude:	-80.17
		Grid Convergence:	-1.5703 °

Well	WAY10H9 (596140) - Slot H9					
Well Position	+N/-S	0.000 usft	Northing:	217,170.802 usft	Latitude:	39.9039556
	+E/-W	0.000 usft	Easting:	1,321,041.861 usft	Longitude:	80.1702805°W
Position Uncertainty		0.000 usft	Wellhead Elevation:	0.000 usft	Ground Level:	1,108.000 usft

Wellbore	Main				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/5/2018	-9.0904	66.9269	52,108.99714665

Design		596140 As Drilled			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.000
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.000	0.000	0.000	330.227	

Survey Program	Date	12/17/2018			
From (')	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	4,416.000	Gyrodata Gyro (Main)	GYD_DP_MS Updated 06/27	Gyrodata Continuous Tool including GyroCompass adj	
0.00	7,139.000	SDI Air Curve (Main)	SDI MWD 2018	SDI MWD - Standard ver 1.0.1	

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)
0.000	0.000	0.000	0.000	-1,121.000	0.000	0.000	0.000	0.00000	0.00000	0.00000
100.000	0.090	166.850	100.000	-1,021.000	-0.076	0.018	-0.075	0.09000	0.09000	0.00000
125.000	0.100	156.360	125.000	-996.000	-0.116	0.031	-0.116	0.08008	0.04000	-41.96000
150.000	0.120	163.090	150.000	-971.000	-0.161	0.047	-0.163	0.09511	0.08000	26.92000
175.000	0.110	141.720	175.000	-946.000	-0.205	0.070	-0.212	0.17505	-0.04000	-85.48000
200.000	0.110	161.970	200.000	-921.000	-0.246	0.092	-0.259	0.15470	0.00000	81.00000
225.000	0.170	150.120	225.000	-896.000	-0.301	0.118	-0.320	0.26524	0.24000	-47.40000
250.000	0.220	152.620	250.000	-871.000	-0.376	0.159	-0.405	0.20283	0.20000	10.00000



EQT Survey Report

Database:	EDM_Definitive	Local Co-ordinate Reference:	Well WAY10H9 (596140) - Slot H9
Company:	EQT PRODUCTION	TVD Reference:	KB @13' @ 1121.000usft
Project:	Greene County, PA	MD Reference:	KB @13' @ 1121.000usft
Site:	Cosgray Pad (Coal Restriction Line)	North Reference:	Grid
Well:	WAY10H9 (596140)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main		
Design:	596140 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)
275.000	0.200	152.420	274.999	-846.001	-0.457	0.201	-0.497	0.08005	-0.08000	-0.80000
300.000	0.200	154.510	299.999	-821.001	-0.535	0.240	-0.584	0.02918	0.00000	8.36000
325.000	0.200	154.440	324.999	-796.001	-0.614	0.278	-0.671	0.00098	0.00000	-0.28000
350.000	0.230	156.940	349.999	-771.001	-0.700	0.316	-0.764	0.12570	0.12000	10.00000
375.000	0.240	156.280	374.999	-746.001	-0.794	0.357	-0.866	0.04144	0.04000	-2.64000
400.000	0.270	153.720	399.998	-721.002	-0.894	0.404	-0.977	0.12833	0.12000	-10.24000
425.000	0.270	154.190	424.998	-696.002	-1.000	0.456	-1.094	0.00886	0.00000	1.88000
450.000	0.260	153.870	449.998	-671.002	-1.104	0.506	-1.210	0.04044	-0.04000	-1.28000
475.000	0.280	154.700	474.998	-646.002	-1.210	0.557	-1.327	0.08151	0.08000	3.32000
500.000	0.240	161.320	499.997	-621.003	-1.315	0.600	-1.440	0.19984	-0.16000	26.48000
525.000	0.210	190.700	524.997	-596.003	-1.410	0.608	-1.526	0.47099	-0.12000	117.52000
550.000	0.220	226.860	549.997	-571.003	-1.488	0.565	-1.572	0.53514	0.04000	144.64000
575.000	0.240	220.730	574.997	-546.003	-1.560	0.496	-1.600	0.12673	0.08000	-24.52000
600.000	0.220	227.000	599.997	-521.003	-1.633	0.426	-1.629	0.12848	-0.08000	25.08000
625.000	0.250	236.060	624.996	-496.004	-1.696	0.346	-1.644	0.19068	0.12000	36.24000
650.000	0.280	252.220	649.996	-471.004	-1.745	0.243	-1.635	0.32079	0.12000	64.64000
675.000	0.310	266.480	674.996	-446.004	-1.768	0.117	-1.592	0.31620	0.12000	57.04000
700.000	0.350	269.790	699.995	-421.005	-1.772	-0.027	-1.525	0.17718	0.16000	13.24000
725.000	0.410	279.160	724.995	-396.005	-1.758	-0.191	-1.431	0.34477	0.24000	37.48000
750.000	0.420	280.020	749.994	-371.006	-1.728	-0.370	-1.316	0.04712	0.04000	3.44000
775.000	0.430	280.970	774.993	-346.006	-1.694	-0.552	-1.196	0.04893	0.04000	3.80000
800.000	0.410	279.710	799.993	-321.007	-1.661	-0.733	-1.078	0.08811	-0.08000	-5.04000
825.000	0.440	283.370	824.992	-296.008	-1.624	-0.914	-0.956	0.16178	0.12000	14.64000
850.000	0.440	284.780	849.991	-271.009	-1.577	-1.100	-0.823	0.04331	0.00000	5.64000
875.000	0.470	284.610	874.991	-246.009	-1.527	-1.292	-0.684	0.12012	0.12000	-0.68000
900.000	0.450	287.690	899.990	-221.010	-1.471	-1.485	-0.540	0.12719	-0.08000	12.32000
925.000	0.470	284.310	924.989	-196.011	-1.416	-1.678	-0.396	0.13481	0.08000	-13.52000
950.000	0.390	286.340	949.988	-171.012	-1.367	-1.859	-0.263	0.32570	-0.32000	8.12000
975.000	0.280	281.860	974.988	-146.012	-1.330	-2.000	-0.161	0.45197	-0.44000	-17.92000
1,000.000	0.190	259.750	999.988	-121.012	-1.325	-2.101	-0.107	0.50477	-0.36000	-88.44000
1,025.000	0.140	231.610	1,024.988	-96.012	-1.351	-2.166	-0.098	0.37498	-0.20000	-112.56000
1,050.000	0.220	168.010	1,049.987	-71.013	-1.417	-2.180	-0.148	0.80608	0.32000	-254.40000
1,075.000	0.310	160.280	1,074.987	-46.013	-1.528	-2.147	-0.260	0.38656	0.36000	-30.92000
1,100.000	0.280	158.840	1,099.987	-21.013	-1.649	-2.102	-0.387	0.12360	-0.12000	-5.76000
1,125.000	0.350	155.030	1,124.986	3.986	-1.775	-2.048	-0.524	0.29211	0.28000	-15.24000
1,150.000	0.360	151.040	1,149.986	28.986	-1.913	-1.978	-0.678	0.10664	0.04000	-15.96000
1,175.000	0.480	141.620	1,174.985	53.985	-2.064	-1.875	-0.860	0.55224	0.48000	-37.68000
1,200.000	0.570	134.500	1,199.984	78.984	-2.233	-1.721	-1.084	0.44397	0.36000	-28.48000
1,225.000	0.580	135.670	1,224.983	103.983	-2.410	-1.544	-1.326	0.06169	0.04000	4.68000
1,250.000	0.590	132.310	1,249.982	128.982	-2.588	-1.360	-1.571	0.14291	0.04000	-13.44000
1,275.000	0.660	133.090	1,274.980	153.980	-2.773	-1.160	-1.831	0.28205	0.28000	3.12000
1,300.000	0.690	128.890	1,299.978	178.978	-2.965	-0.937	-2.109	0.23137	0.12000	-16.80000



EQT Survey Report

Database:	EDM_Definitive	Local Co-ordinate Reference:	Well WAY10H9 (598140) - Slot H9
Company:	EQT PRODUCTION	TVD Reference:	KB @13' @ 1121.000usft
Project:	Greene County, PA	MD Reference:	KB @13' @ 1121.000usft
Site:	Cosgray Pad (Coal Restriction Line)	North Reference:	Grid
Well:	WAY10H9 (598140)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main		
Design:	598140 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)
1,325.000	0.690	129.660	1,324.977	203.977	-3.156	-0.704	-2.390	0.03709	0.00000	3.08000
1,350.000	0.700	128.530	1,349.975	228.975	-3.347	-0.469	-2.673	0.06787	0.04000	-4.52000
1,375.000	0.760	127.970	1,374.973	253.973	-3.544	-0.219	-2.968	0.24169	0.24000	-2.24000
1,400.000	0.760	127.420	1,399.971	278.971	-3.747	0.044	-3.274	0.02918	0.00000	-2.20000
1,425.000	0.770	127.520	1,424.968	303.968	-3.950	0.308	-3.582	0.04035	0.04000	0.40000
1,450.000	0.780	128.350	1,449.966	328.966	-4.158	0.575	-3.895	0.06014	0.04000	3.32000
1,475.000	0.790	128.660	1,474.964	353.964	-4.371	0.843	-4.213	0.04346	0.04000	1.24000
1,500.000	0.770	128.360	1,499.961	378.961	-4.583	1.109	-4.529	0.08165	-0.08000	-1.20000
1,525.000	0.820	125.990	1,524.959	403.959	-4.793	1.386	-4.848	0.23934	0.20000	-9.48000
1,550.000	0.810	123.820	1,549.956	428.956	-4.996	1.677	-5.170	0.12977	-0.04000	-8.68000
1,575.000	0.810	123.270	1,574.954	453.954	-5.191	1.972	-5.485	0.03110	0.00000	-2.20000
1,600.000	0.830	123.390	1,599.951	478.951	-5.388	2.271	-5.804	0.08029	0.08000	0.48000
1,625.000	0.830	125.500	1,624.949	503.949	-5.593	2.570	-6.130	0.12225	0.00000	8.44000
1,650.000	0.830	125.340	1,649.946	528.946	-5.803	2.865	-6.459	0.00927	0.00000	-0.64000
1,675.000	0.780	122.100	1,674.944	553.944	-5.998	3.157	-6.774	0.27039	-0.20000	-12.96000
1,700.000	0.690	123.260	1,699.942	578.942	-6.171	3.427	-7.058	0.36487	-0.36000	4.64000
1,725.000	0.690	122.210	1,724.940	603.940	-6.334	3.680	-7.325	0.05058	0.00000	-4.20000
1,750.000	0.700	121.250	1,749.938	628.938	-6.493	3.938	-7.591	0.06140	0.04000	-3.84000
1,775.000	0.670	122.970	1,774.936	653.936	-6.652	4.191	-7.855	0.14547	-0.12000	6.88000
1,800.000	0.670	121.100	1,799.934	678.934	-6.807	4.439	-8.112	0.08746	0.00000	-7.48000
1,825.000	0.630	121.320	1,824.933	703.933	-6.954	4.681	-8.360	0.16031	-0.16000	0.88000
1,850.000	0.540	120.210	1,849.932	728.932	-7.085	4.900	-8.583	0.36283	-0.36000	-4.44000
1,875.000	0.480	120.380	1,874.931	753.931	-7.197	5.093	-8.776	0.24008	-0.24000	0.68000
1,900.000	0.490	118.780	1,899.930	778.930	-7.301	5.277	-8.958	0.06734	0.04000	-6.40000
1,925.000	0.500	116.210	1,924.929	803.929	-7.401	5.468	-9.139	0.09739	0.04000	-10.28000
1,950.000	0.490	120.260	1,949.928	828.928	-7.503	5.658	-9.322	0.14553	-0.04000	16.20000
1,975.000	0.500	114.810	1,974.927	853.927	-7.603	5.850	-9.504	0.19246	0.04000	-21.80000
2,000.000	0.480	115.970	1,999.926	878.926	-7.694	6.043	-9.679	0.08930	-0.08000	4.64000
2,025.000	0.500	117.900	2,024.925	903.925	-7.791	6.233	-9.858	0.10371	0.08000	7.72000
2,050.000	0.510	116.730	2,049.924	928.924	-7.892	6.429	-10.043	0.05746	0.04000	-4.68000
2,075.000	0.490	120.240	2,074.923	953.923	-7.996	6.621	-10.228	0.14629	-0.08000	14.04000
2,100.000	0.480	115.840	2,099.922	978.922	-8.096	6.808	-10.407	0.15421	-0.04000	-17.60000
2,125.000	0.480	119.670	2,124.921	1,003.921	-8.193	6.993	-10.584	0.12832	0.00000	15.32000
2,150.000	0.410	123.280	2,149.921	1,028.921	-8.294	7.159	-10.754	0.30149	-0.28000	14.44000
2,175.000	0.340	127.130	2,174.920	1,053.920	-8.388	7.293	-10.902	0.29743	-0.28000	15.40000
2,200.000	0.340	126.770	2,199.920	1,078.920	-8.477	7.411	-11.038	0.00855	0.00000	-1.44000
2,225.000	0.350	127.450	2,224.919	1,103.919	-8.568	7.531	-11.177	0.04322	0.04000	2.72000
2,250.000	0.340	126.900	2,249.919	1,128.919	-8.659	7.651	-11.315	0.04214	-0.04000	-2.20000
2,275.000	0.360	130.380	2,274.918	1,153.918	-8.754	7.770	-11.457	0.11671	0.08000	13.92000
2,300.000	0.340	133.190	2,299.918	1,178.918	-8.856	7.884	-11.602	0.10540	-0.08000	11.24000
2,325.000	0.270	124.320	2,324.917	1,203.917	-8.940	7.987	-11.726	0.33694	-0.28000	-35.48000
2,350.000	0.240	133.590	2,349.917	1,228.917	-9.009	8.073	-11.829	0.20367	-0.12000	37.08000

EQT

Survey Report

Database:	EDM_Definitive	Local Co-ordinate Reference:	Well WAY10H9 (596140) - Slot H9
Company:	EQT PRODUCTION	TVD Reference:	KB @13' @ 1121.000usft
Project:	Greene County, PA	MD Reference:	KB @13' @ 1121.000usft
Site:	Cosgray Pad (Coal Restriction Line)	North Reference:	Grid
Well:	WAY10H9 (596140)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main		
Design:	596140 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)
2,375.000	0.230	139.340	2,374.917	1,253.917	-9.083	8.144	-11.928	0.10241	-0.04000	23.00000
2,400.000	0.260	140.960	2,399.917	1,278.917	-9.165	8.212	-12.034	0.12315	0.12000	6.48000
2,425.000	0.200	142.280	2,424.916	1,303.917	-9.244	8.275	-12.133	0.24092	-0.24000	5.28000
2,450.000	0.280	132.960	2,449.916	1,328.916	-9.320	8.346	-12.234	0.35504	0.32000	-37.28000
2,475.000	0.240	135.590	2,474.916	1,353.916	-9.399	8.428	-12.343	0.16693	-0.16000	10.52000
2,500.000	0.250	136.200	2,499.916	1,378.916	-9.476	8.502	-12.447	0.04134	0.04000	2.44000
2,525.000	0.250	144.570	2,524.916	1,403.916	-9.560	8.571	-12.554	0.14595	0.00000	33.48000
2,550.000	0.260	121.820	2,549.915	1,428.915	-9.634	8.651	-12.658	0.40425	0.04000	-91.00000
2,575.000	0.320	114.310	2,574.915	1,453.915	-9.693	8.763	-12.765	0.28362	0.24000	-30.04000
2,600.000	0.390	106.170	2,599.914	1,478.915	-9.745	8.908	-12.882	0.34443	0.28000	-32.56000
2,625.000	0.420	104.500	2,624.914	1,503.914	-9.792	9.079	-13.007	0.12894	0.12000	-6.68000
2,650.000	0.430	107.330	2,649.913	1,528.913	-9.843	9.257	-13.140	0.09299	0.04000	11.32000
2,675.000	0.450	107.970	2,674.912	1,553.912	-9.901	9.440	-13.282	0.08238	0.08000	2.56000
2,700.000	0.440	103.480	2,699.912	1,578.912	-9.954	9.627	-13.420	0.14507	-0.04000	-17.96000
2,725.000	0.440	104.220	2,724.911	1,603.911	-10.000	9.813	-13.552	0.02273	0.00000	2.96000
2,750.000	0.460	102.110	2,749.910	1,628.910	-10.044	10.004	-13.686	0.10388	0.08000	-8.44000
2,775.000	0.460	98.700	2,774.909	1,653.909	-10.080	10.202	-13.816	0.10949	0.00000	-13.64000
2,800.000	0.440	98.090	2,799.909	1,678.909	-10.109	10.396	-13.937	0.08226	-0.08000	-2.44000
2,825.000	0.440	98.770	2,824.908	1,703.908	-10.137	10.586	-14.056	0.02089	0.00000	2.72000
2,850.000	0.480	98.640	2,849.907	1,728.907	-10.168	10.784	-14.180	0.16005	0.16000	-0.52000
2,875.000	0.460	104.410	2,874.906	1,753.906	-10.208	10.985	-14.315	0.20542	-0.08000	23.08000
2,900.000	0.460	98.010	2,899.905	1,778.905	-10.247	11.181	-14.447	0.20542	0.00000	-25.60000
2,925.000	0.480	99.860	2,924.905	1,803.905	-10.279	11.384	-14.575	0.10041	0.08000	7.40000
2,950.000	0.480	102.040	2,949.904	1,828.904	-10.319	11.590	-14.712	0.07305	0.00000	8.72000
2,975.000	0.480	100.980	2,974.903	1,853.903	-10.361	11.795	-14.850	0.03552	0.00000	-4.24000
3,000.000	0.500	100.460	2,999.902	1,878.902	-10.401	12.005	-14.989	0.08195	0.08000	-2.08000
3,025.000	0.480	99.570	3,024.901	1,903.901	-10.438	12.215	-15.126	0.08559	-0.08000	-3.56000
3,050.000	0.490	96.210	3,049.900	1,928.900	-10.467	12.425	-15.255	0.12057	0.04000	-13.44000
3,075.000	0.500	94.440	3,074.899	1,953.899	-10.487	12.640	-15.379	0.07308	0.04000	-7.08000
3,100.000	0.500	92.190	3,099.898	1,978.898	-10.499	12.858	-15.498	0.07853	0.00000	-9.00000
3,125.000	0.440	97.080	3,124.897	2,003.897	-10.515	13.062	-15.613	0.28849	-0.24000	19.56000
3,150.000	0.520	100.770	3,149.896	2,028.897	-10.548	13.269	-15.745	0.34290	0.32000	14.76000
3,175.000	0.530	102.100	3,174.895	2,053.895	-10.594	13.493	-15.896	0.06305	0.04000	5.32000
3,200.000	0.540	99.380	3,199.894	2,078.894	-10.637	13.722	-16.047	0.10917	0.04000	-10.88000
3,225.000	0.500	99.760	3,224.893	2,103.893	-10.675	13.946	-16.191	0.16059	-0.16000	1.52000
3,250.000	0.520	103.750	3,249.892	2,128.892	-10.720	14.164	-16.339	0.16299	0.08000	15.96000
3,275.000	0.440	104.660	3,274.891	2,153.891	-10.772	14.367	-16.484	0.32144	-0.32000	3.64000
3,300.000	0.520	102.270	3,299.891	2,178.891	-10.820	14.571	-16.627	0.32980	0.32000	-9.56000
3,325.000	0.520	107.980	3,324.890	2,203.890	-10.879	14.789	-16.787	0.20720	0.00000	22.84000
3,350.000	0.480	111.430	3,349.889	2,228.889	-10.952	14.995	-16.953	0.20019	-0.16000	13.80000
3,375.000	0.470	111.180	3,374.888	2,253.888	-11.028	15.188	-17.114	0.04085	-0.04000	-1.00000
3,400.000	0.500	110.110	3,399.887	2,278.887	-11.102	15.386	-17.277	0.12534	0.12000	-4.28000
3,425.000	0.440	116.310	3,424.886	2,303.886	-11.182	15.574	-17.440	0.31429	-0.24000	24.80000

EQT

Survey Report

Database:	EDM_Definitive	Local Co-ordinate Reference:	Well WAY10H9 (596140) - Slot H9
Company:	EQT PRODUCTION	TVD Reference:	KB @13' @ 1121.000usft
Project:	Greene County, PA	MD Reference:	KB @13' @ 1121.000usft
Site:	Cosgray Pad (Coal Restriction Line)	North Reference:	Grid
Well:	WAY10H9 (596140)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main		
Design:	596140 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)
3,450.000	0.440	117.800	3,449.885	2,328.885	-11.270	15.745	-17.601	0.04577	0.00000	5.96000
3,475.000	0.430	110.530	3,474.885	2,353.885	-11.347	15.918	-17.754	0.22421	-0.04000	-29.08000
3,500.000	0.440	117.670	3,499.884	2,378.884	-11.425	16.091	-17.907	0.22034	0.04000	28.56000
3,525.000	0.340	113.200	3,524.883	2,403.883	-11.499	16.244	-18.047	0.41781	-0.40000	-17.88000
3,550.000	0.380	114.530	3,549.883	2,428.883	-11.562	16.388	-18.174	0.16344	0.16000	5.32000
3,575.000	0.380	109.200	3,574.882	2,453.882	-11.624	16.542	-18.303	0.14135	0.00000	-21.32000
3,600.000	0.350	105.420	3,599.882	2,478.882	-11.671	16.693	-18.420	0.15381	-0.12000	-15.12000
3,625.000	0.400	115.200	3,624.881	2,503.881	-11.729	16.846	-18.546	0.32420	0.20000	39.12000
3,650.000	0.360	122.370	3,649.881	2,528.881	-11.808	16.991	-18.687	0.24826	-0.16000	28.68000
3,675.000	0.340	112.410	3,674.880	2,553.880	-11.878	17.126	-18.815	0.25579	-0.08000	-39.84000
3,700.000	0.360	113.410	3,699.880	2,578.880	-11.938	17.267	-18.936	0.08365	0.08000	4.00000
3,725.000	0.360	114.620	3,724.879	2,603.879	-12.002	17.410	-19.063	0.03041	0.00000	4.84000
3,750.000	0.390	110.370	3,749.879	2,628.879	-12.064	17.561	-19.192	0.16357	0.12000	-17.00000
3,775.000	0.380	118.270	3,774.878	2,653.878	-12.133	17.714	-19.328	0.21589	-0.04000	31.60000
3,800.000	0.380	117.920	3,799.877	2,678.878	-12.211	17.861	-19.468	0.00929	0.00000	-1.40000
3,825.000	0.390	111.260	3,824.877	2,703.877	-12.281	18.013	-19.604	0.18331	0.04000	-26.64000
3,850.000	0.400	113.710	3,849.876	2,728.876	-12.347	18.172	-19.741	0.07851	0.04000	9.80000
3,875.000	0.390	109.850	3,874.876	2,753.876	-12.411	18.332	-19.876	0.11368	-0.04000	-15.44000
3,900.000	0.490	100.110	3,899.875	2,778.875	-12.458	18.517	-20.009	0.49814	0.40000	-38.96000
3,925.000	0.450	101.760	3,924.874	2,803.874	-12.497	18.719	-20.143	0.16890	-0.16000	6.60000
3,950.000	0.510	96.620	3,949.873	2,828.873	-12.530	18.925	-20.274	0.29518	0.24000	-20.56000
3,975.000	0.500	95.790	3,974.872	2,853.872	-12.554	19.145	-20.403	0.04956	-0.04000	-3.32000
4,000.000	0.460	97.380	3,999.871	2,878.871	-12.578	19.353	-20.527	0.16862	-0.16000	6.36000
4,025.000	0.490	94.580	4,024.871	2,903.871	-12.599	19.559	-20.648	0.15169	0.12000	-11.20000
4,050.000	0.530	99.580	4,049.870	2,928.870	-12.627	19.779	-20.782	0.23921	0.16000	20.00000
4,075.000	0.550	95.030	4,074.868	2,953.869	-12.657	20.013	-20.924	0.18920	0.08000	-18.20000
4,100.000	0.580	91.760	4,099.867	2,978.867	-12.671	20.259	-21.058	0.17612	0.12000	-13.08000
4,125.000	0.550	95.660	4,124.866	3,003.866	-12.687	20.505	-21.194	0.19503	-0.12000	15.60000
4,150.000	0.630	92.350	4,149.865	3,028.865	-12.704	20.761	-21.337	0.34770	0.32000	-13.24000
4,175.000	0.550	94.270	4,174.863	3,053.863	-12.719	21.018	-21.477	0.32958	-0.32000	7.68000
4,200.000	0.570	93.330	4,199.862	3,078.862	-12.735	21.262	-21.612	0.08803	0.08000	-3.76000
4,225.000	0.660	90.750	4,224.861	3,103.861	-12.744	21.530	-21.753	0.37657	0.36000	-10.32000
4,250.000	0.740	90.610	4,249.859	3,128.859	-12.748	21.836	-21.908	0.32007	0.32000	-0.56000
4,275.000	0.770	94.520	4,274.857	3,153.857	-12.763	22.165	-22.084	0.23841	0.12000	15.64000
4,300.000	0.870	96.700	4,299.854	3,178.854	-12.798	22.521	-22.292	0.41894	0.40000	8.72000
4,325.000	0.970	94.000	4,324.851	3,203.851	-12.835	22.920	-22.522	0.43586	0.40000	-10.80000
4,350.000	0.940	90.160	4,349.847	3,228.847	-12.850	23.336	-22.742	0.28266	-0.12000	-15.36000
4,375.000	1.010	89.970	4,374.844	3,253.844	-12.851	23.762	-22.954	0.28030	0.28000	-0.76000
4,400.000	1.050	89.640	4,399.840	3,278.840	-12.849	24.211	-23.175	0.16175	0.16000	-1.32000
Last Gyro Survey=4416' MD										
4,416.000	1.110	85.740	4,415.837	3,294.837	-12.837	24.512	-23.314	0.59284	0.37500	-24.37500
4,437.000	1.270	104.950	4,436.832	3,315.833	-12.882	24.940	-23.566	2.03465	0.76190	91.47619

Database:	EDM_Definitive	Local Co-ordinate Reference:	Well WAY10H9 (596140) - Slot H9
Company:	EQT PRODUCTION	TVD Reference:	KB @13' @ 1121.000usft
Project:	Greene County, PA	MD Reference:	KB @13' @ 1121.000usft
Site:	Cosgray Pad (Coal Restriction Line)	North Reference:	Grid
Well:	WAY10H9 (596140)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main		
Design:	596140 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)
4,469.000	3.480	110.430	4,468.803	3,347.803	-13.312	26.193	-24.561	6.93474	6.90625	17.12500
4,501.000	6.400	110.880	4,500.681	3,379.681	-14.287	28.770	-26.687	9.12573	9.12500	1.40625
4,532.000	9.320	109.970	4,531.386	3,410.386	-15.761	32.744	-29.940	9.42761	9.41936	-2.93548
4,564.000	12.800	106.960	4,562.787	3,441.787	-17.680	38.572	-34.500	11.02005	10.87500	-9.40625
4,596.000	15.120	110.400	4,593.841	3,472.841	-20.169	45.876	-40.287	7.69680	7.25000	10.75000
WAY10H9 Plat TD p3 - WAY10H9 Mile - WAY10H9 Plat TD										
4,628.000	16.960	111.020	4,624.593	3,503.593	-23.298	54.145	-47.109	5.77479	5.75000	1.93750
4,659.000	19.090	112.600	4,654.070	3,533.071	-26.869	63.046	-54.629	7.04904	6.87097	5.09677
4,689.000	21.190	112.340	4,682.235	3,561.235	-30.815	72.591	-62.794	7.00634	7.00000	-0.86667
4,721.000	23.160	111.090	4,711.866	3,590.866	-35.279	83.813	-72.240	6.33001	6.15625	-3.90625
4,753.000	25.110	108.670	4,741.068	3,620.068	-39.717	96.118	-82.203	6.83225	6.09375	-7.56250
4,785.000	27.480	107.060	4,769.756	3,648.756	-44.057	109.611	-92.670	7.73372	7.40625	-5.03125
4,817.000	29.950	102.980	4,797.821	3,676.821	-48.018	124.457	-103.480	9.85029	7.71875	-12.75000
4,848.000	31.820	101.010	4,824.424	3,703.424	-51.318	140.021	-114.073	6.85707	6.03226	-6.35484
4,880.000	34.460	98.750	4,851.218	3,730.218	-54.306	157.254	-125.224	9.10753	8.25000	-7.06250
4,912.000	35.980	97.020	4,877.360	3,756.360	-56.833	175.533	-136.494	5.68148	4.75000	-5.40625
4,943.000	37.430	96.020	4,902.213	3,781.213	-58.934	193.941	-147.458	5.05908	4.67742	-3.22581
4,975.000	39.950	94.760	4,927.189	3,806.189	-60.807	213.854	-158.972	8.25035	7.87500	-3.93750
5,072.000	44.200	92.800	4,999.175	3,878.175	-65.045	278.694	-194.847	4.58545	4.38144	-2.02062
5,168.000	41.900	92.230	5,069.324	3,948.324	-67.927	344.158	-229.857	2.42986	-2.39583	-0.59375
5,264.000	40.320	90.050	5,141.656	4,020.656	-69.202	407.256	-262.295	2.22199	-1.64583	-2.27083
5,357.000	37.920	91.130	5,213.804	4,092.804	-69.792	465.925	-291.939	2.68256	-2.58065	1.16129
5,452.000	38.100	97.360	5,288.682	4,167.682	-74.124	524.200	-324.637	4.04154	0.18947	6.55789
5,547.000	39.830	96.790	5,362.545	4,241.545	-81.476	583.484	-360.457	1.85971	1.82105	-0.60000
5,642.000	40.900	93.350	5,434.937	4,313.937	-86.891	644.751	-395.580	2.60129	1.12632	-3.62105
5,736.000	41.040	93.000	5,505.912	4,384.912	-90.304	706.289	-429.100	0.28597	0.14894	-0.37234
5,831.000	38.930	93.940	5,578.699	4,457.699	-93.988	767.218	-462.553	2.31022	-2.22105	0.98947
5,926.000	38.100	95.890	5,653.033	4,532.033	-99.047	826.153	-496.208	1.54819	-0.87368	2.05263
6,022.000	39.270	96.150	5,727.969	4,606.969	-105.341	885.825	-531.303	1.23045	1.21875	0.27083
Cosgray 01 Fault Trace (7302' TVD) 1										
6,118.000	41.030	97.180	5,801.345	4,680.345	-112.535	947.301	-568.074	1.95947	1.83333	1.07292
Cosgray 01 Fault Trace (7302' TVD) 2										
6,212.000	41.530	94.580	5,871.991	4,750.991	-118.880	1,008.979	-604.208	1.90064	0.53191	-2.76596
6,307.000	41.560	93.260	5,943.094	4,822.094	-123.187	1,071.834	-639.158	0.92204	0.03158	-1.38947
Cosgray 01 Fault Trace (7302' TVD) 3										
6,329.718	41.200	93.433	5,960.140	4,839.140	-124.064	1,086.826	-647.363	1.66357	-1.58524	0.76310
6,403.000	40.040	94.010	6,015.763	4,894.763	-127.158	1,134.433	-673.689	1.66357	-1.58274	0.78688
Cosgray 02 Fault Trace (6721' TVD) 1										
6,418.682	39.923	94.108	6,027.780	4,906.780	-127.871	1,144.484	-679.299	0.84924	-0.74872	0.62375
Cosgray 01 Fault Trace (7302' TVD) 4										
6,482.804	39.443	94.513	6,077.128	4,956.128	-130.947	1,185.313	-702.243	0.84924	-0.74736	0.63161
6,498.000	39.330	94.610	6,088.872	4,967.872	-131.714	1,194.925	-707.681	0.84924	-0.74599	0.63955
Cosgray 02 Fault Trace (6721' TVD) 2										
6,592.000	39.690	96.410	6,161.397	5,040.397	-137.460	1,254.447	-742.225	1.27702	0.38298	1.91489

EQT

Survey Report

Database:	EDM_Definitive	Local Co-ordinate Reference:	Well WAY10H9 (596140) - Slot H9
Company:	EQT PRODUCTION	TVD Reference:	KB @13' @ 1121.000usft
Project:	Greene County, PA	MD Reference:	KB @13' @ 1121.000usft
Site:	Cosgray Pad (Coal Restriction Line)	North Reference:	Grid
Well:	WAY10H9 (596140)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Main		
Design:	596140 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)
Cosgray 01 Fault Trace (7302' TVD) 5										
6,622.279	40.072	96.546	6,184.632	5,063.632	-139.650	1,273.737	-753.705	1.29510	1.26261	0.44959
Cosgray 01 Fault Trace (7302' TVD) 6										
6,687.000	40.890	96.830	6,233.860	5,112.860	-144.544	1,315.468	-778.675	1.29510	1.26341	0.43860
WAY10H1 LP -348' VS p2 - Cosgray 01 Fault Trace (7302' TVD) 7										
6,761.003	43.821	98.971	6,288.543	5,167.543	-151.422	1,364.838	-809.160	4.41424	3.96120	2.89277
6,781.000	44.620	99.510	6,302.874	5,181.874	-153.662	1,378.603	-817.939	4.41424	3.99356	2.69671
6,876.000	40.550	97.900	6,372.807	5,251.807	-163.423	1,442.124	-857.954	4.43475	-4.28421	-1.69474
Cosgray 02 Fault Trace (6721' TVD) 3										
6,942.671	39.273	97.685	6,423.946	5,302.946	-169.224	1,484.504	-884.034	1.92706	-1.91592	-0.32255
6,971.000	38.730	97.590	6,445.961	5,324.961	-171.593	1,502.175	-894.865	1.92706	-1.91548	-0.33518
Final Air Curve Survey=7066' MD/ 6520' TVD										
7,066.000	38.260	99.180	6,520.315	5,399.316	-180.211	1,560.671	-931.392	1.15325	-0.49474	1.67368
Projection to Air Curve TD=7139' MD/ 6578' TVD - WAY10H9 Plat LP - Cosgray 02 Fault Trace (6721' TVD) 5 - WAY10H9 -665' VS - WAY10H										
7,139.000	38.260	99.180	6,577.636	5,456.636	-187.423	1,605.296	-959.811	0.00000	0.00000	0.00000

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,416.000	4,415.837	-12.837	24.512	Last Gyro Survey=4416' MD
7,066.000	6,520.315	-180.211	1,560.671	Final Air Curve Survey=7066' MD/ 6520' TVD
7,139.000	6,577.636	-187.423	1,605.296	Projection to Air Curve TD=7139' MD/ 6578' TVD

Checked By: _____ Approved By: _____ Date: _____

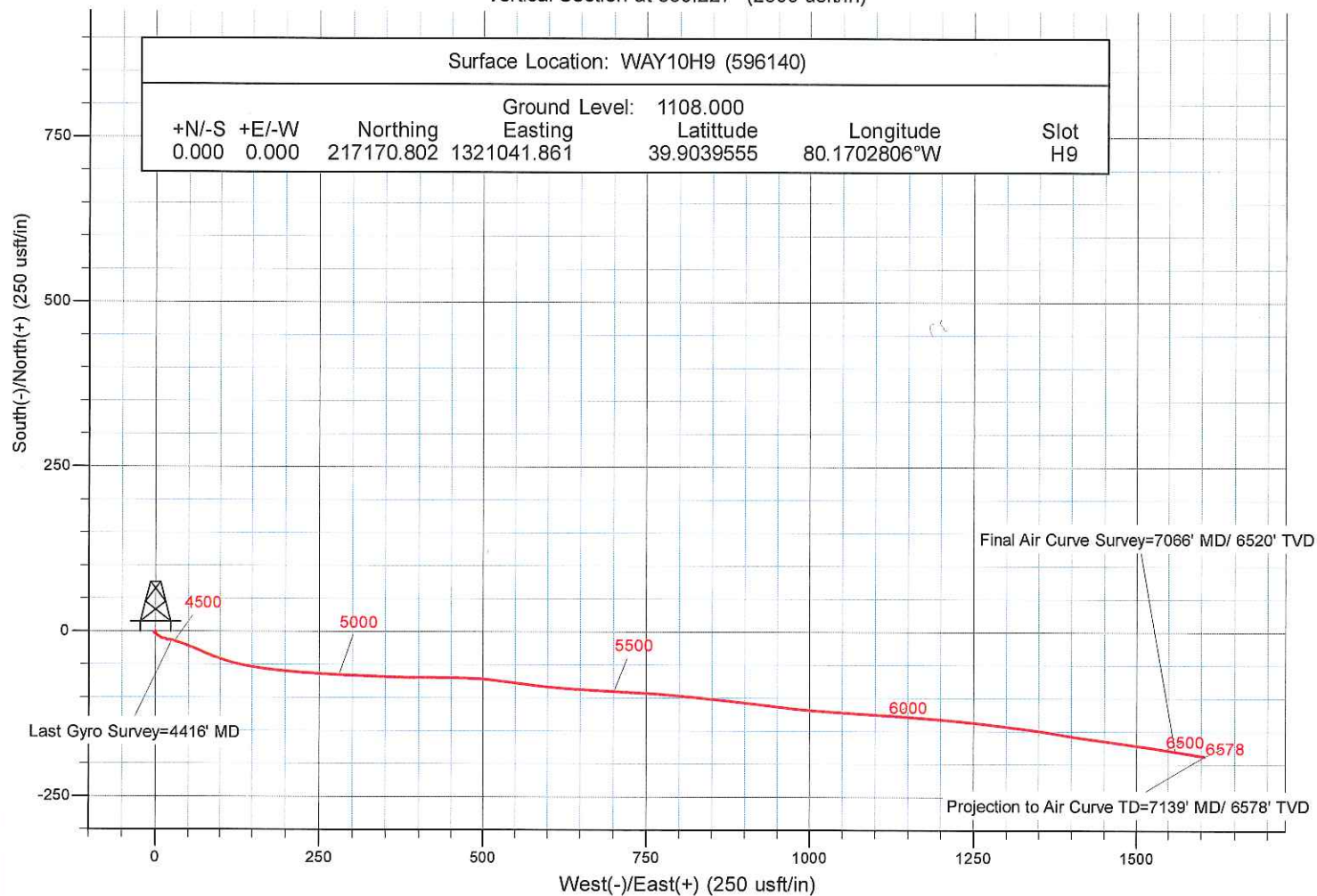
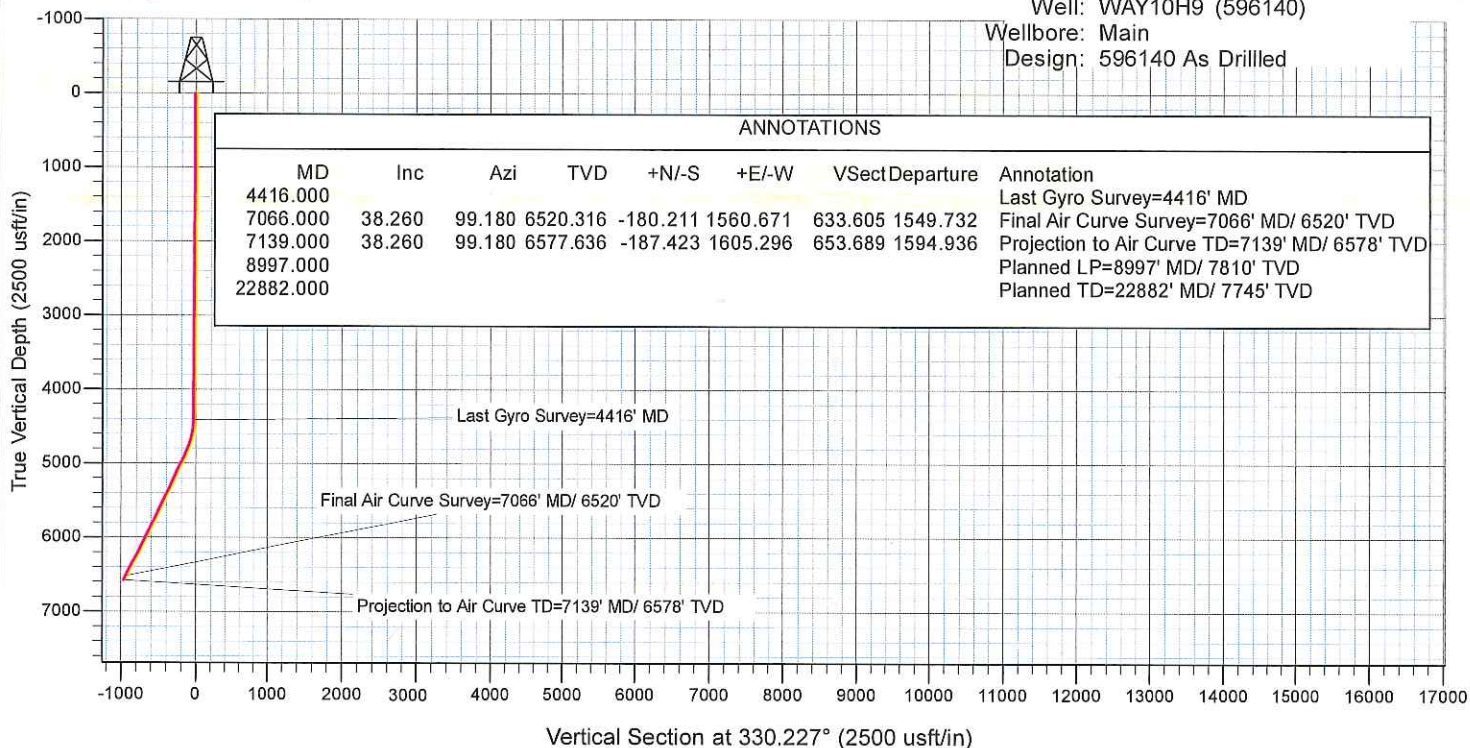


Where energy meets innovation.

EQT PRODUCTION

KB Elevation= KB @13' @ 1121.000usft
Ground Elevation= 1108.000
All measurements were taken from KB Elevation

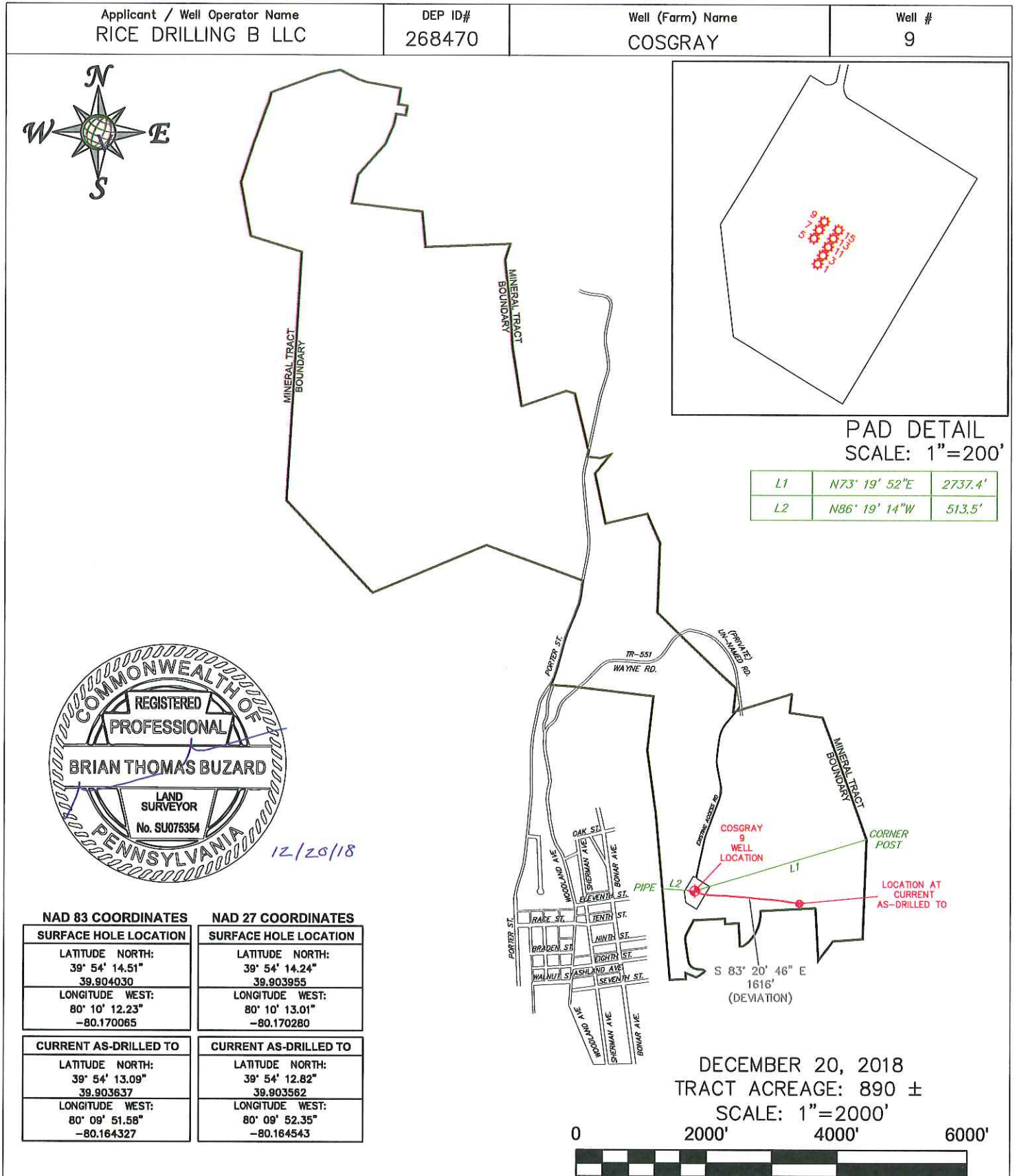
Project: Greene County, PA
Site: Cosgray Pad (Coal Restriction Line)
Well: WAY10H9 (596140)
Wellbore: Main
Design: 596140 As Drilled



WELL LOCATION PLAT

Page 3 Plan View of Deviated Well Bore

If well has a lateral other than vertical show the bottom hole location on the plat drawing as $\otimes$ and include the Coordinates in the provided section at the bottom of the drawing area. The top hole and bottom hole locations are to be connected by a bolded line this is to depict the proposed courses of the actual wellbore to be drilled.

**AS-DRILLED**



January 8, 2019

Via FedEx Overnight Delivery

Pennsylvania Department of Environmental Protection
Attn: Mr. Joel Keller
Bureau of Oil & Gas Management
400 Waterfront Drive
Pittsburgh, PA 15222-4745

RE: Inactive Status Request
Cosgray Well Site
Franklin Township
Greene County

Dear DEP Recipient:

Please find attached completed form 5500-FM-OG0056 "Application for Inactive Status Request," completed form 8000-FM-OOGM0004aU "Well Record" and supporting documentation for the following well:

- Cosgray 9 – Permit Number 059-27403

Rice Drilling B LLC trusts that if any portion of the submitted documentation is found to be inadequate for processing this request, notification will be made to our permitting department at your earliest convenience.

Best Regards,

A handwritten signature in blue ink, appearing to read "J. Zavatchan".

John Zavatchan
Landman - Permitting
jzavatchan@eqt.com
724-746-9073