

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

March 13, 2014

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-1706449, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: WV 515273

Farm Name: SECRIST, MARY FARR

API Well Number: 47-1706449

Permit Type: Horizontal 6A Well

Date Issued: 03/13/2014

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS W.VA. CODE §22-6A - WELL WORK PERMIT APPLICATION

017 06449

1) Well Operator: EQT Production	n Company		017	8	671
		Operator ID	Соилту	District	Quadrangle
2) Operator's Well Number:	515273	·	_Well Pad Name	:WE	EU49
3) Farm Name/Surface Owner :	Mary Farr Secris	t Farm	_Public Road Ac	cess:	50/42
4) Elevation, current ground:	1,156.0 Eleva	ation, proposed p	ost-construction:	1,130.0	
5) Well Type: (a) Gas	U	nderground Stora	.ge		
Other				······································	
(b) If Gas:	Shallow	Deep			
н	orizontal•				
6) Existing Pad? Yes or No:	no ·				
	and the	.l	and Oronous	·/a\·	
7) Proposed Target Formation(s), D Target formation is Geneseo 8					of 4400 DCI
larget formation is Geneseo	it a depth of 6537 with the anti-	cipated Bilckness to I	Je 41 leet and anticipa	iteu taiget pressure	01 4409 1 31
8) Proposed Total Vertical Depth:		~~	6,537		
9) Formation at Total Vertical Depth			Geneseo		
10) Proposed Total Measured Dept			18,139		
11) Proposed Horizontal Leg Lengtl			9,730		
12) Approximate Fresh Water Strat			243, 292, 352,	487	
13) Method to Determine Fresh Wa			By offset wel	ls	
14) Approximate Saltwater Depths:			1,542		
15) Approximate Coal Seam Depths		-	340, 483		
16) Approximate Depth to Possible		ther):		None reporte	ed
17)Does proposed well location of	•				
adjacent to an active mine?		, , ,			
(a) If Yes, provide Mine Info:	Name:				
And the second second second second	Depth:				
	C				
	0				
	•				

Page 1 of 3

DCN 1-31-2014

03/14/2014

Environment of Station

CASING AND TUBING PROGRAM

18) TYPE	Size	New	Grade	Weight per	FOOTAGE:	INTERVALS:	CEMENT:
		<u>or</u>		<u>ft.</u>	for Drilling	Left in Well	Fill- up (Cu.Ft.)
		Used					
Conductor	20	New	Varies	Varies	40	40	38 CTS
Fresh Water	13 3/8	New	MC-50	81	903	903	787 CTS
Coal							
Intermediate	9 5/8	New	MC-50	40	5,238	5,238	2072 CTS
Production	5 1/2	New	P-110	20	18,139	18,139	See Note 1
Tubing	2 3/8		J-55	4.6			May not be run, if run will be set 100' less than TD
Liners							

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	<u>Cement</u> <u>Type</u>	Cement Yiel (cu. ft./k)
Conductor	20	24	0.375		Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,480	1	1.21
Coal						
Intermediate	9 5/8	12 3/8	0.395	3,590	1	1.21
Production	5 1/2	8 1/2	0.361	12,640	-	1.27/1.86
Tubing						-
Liners						

<u>Packers</u>

Kind:	N/A		
Sizes:	N/A		
Depths Set:	N/A		

Note 1: EQT plans to bring the TOC on the production casing cement job 1,000' above kick off point, which is at least 500' above the shallowest production zone, to avoid communication.

Page 2 of 3

DCN 2014

03/14/2014

Environment Juden

Drill and complete a new horizontal well in the Genesseo formation. The vertical drill to go down to an approximate depth of 5,539. Then kick off the horizontal leg in to the Genesseo using a slick water frac. 20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate: Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%) of chemicals (including 15% Hydrochloric acid, gelling agent, gel breaker, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated treating pressures are expected to average approximately 8500 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 200,000 barrels of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per stage. 21) Total area to be disturbed, including roads, stockpile area, pits, etc, (acres): 37.4 22) Area to be disturbed for well pad only, less access road (acres): 37.4 22) Area to be disturbed for well pad only, less access road (acres): 37.4 23) Describe centralizer placement for each casing string. Surface: Bow spring centralizers—One at the shoe and one spaced every 500'. Production: One spaced every 1000' from KOP to Int csg shoe 24) Describe all cernent additives associated with each cernent type. Surface (Type 1 Cement): 0-3% Calcium Chloride Used to speed the setting of cement sturries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the cernent sturry to a thief zone.
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Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low temperature formations to speed the setting of cement
slurries, 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of whole drilling fluid or cement slurry (not filtrate)
to a thief zone.
Production:
Lead [Type 1 Cement]: 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening time.
0.3% CFR (dispersant). Makes cement easier to mix.
Tall (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening time.
0.2-0.3% CFR (dispersant). This is to make the cement easier to mix.
60 % Calcuim Carbonate. Acid solubility.
0.4-0.6% Halad (fluid loss). Reduces amount of water lost to formation.
25) Proposed borehole conditioning procedures. <u>Surface</u> : Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating
one full joint until cuttings diminish at surface. When cuttings returning to surface diminish, continue to circulate an additional 5
minutes. To ensure that there is no fill, short trip two stands with no circulation. If there is fill, bring compressors back on
and circulate hole clean. A constant rate of higher than expected cuttings volume likely indicates washouts that will not clean up.
Intermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until cuttings diminish at
surface. When cuttings returning to surface diminish, continue to circulate an additional 5 minutes. If foam drilling, to enhance
hole cleaning use a soap sweep or increase injection rate & foam concentration.
<u>Production:</u> Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume.
Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clean. Check volume of cuttings coming across
the shakers every 15 minutes.

*Note: Attach additional sheets as needed.

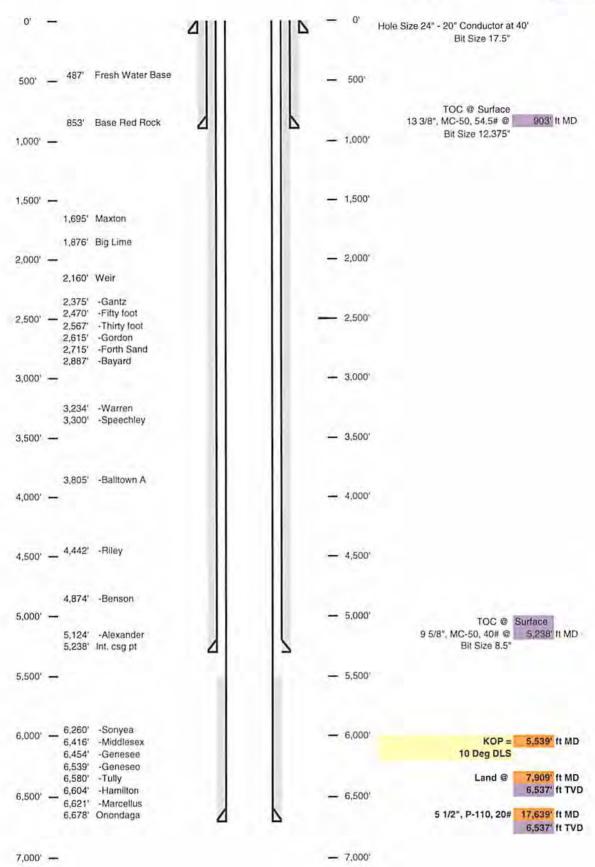
Page 3 of 3

03/14/2014

Well Name County State 515273 (WEU49H7) Doddridge West Virgina

Elevation KB: Target Prospect Azimuth Vertical Section

1143 Geneseo 155 10523

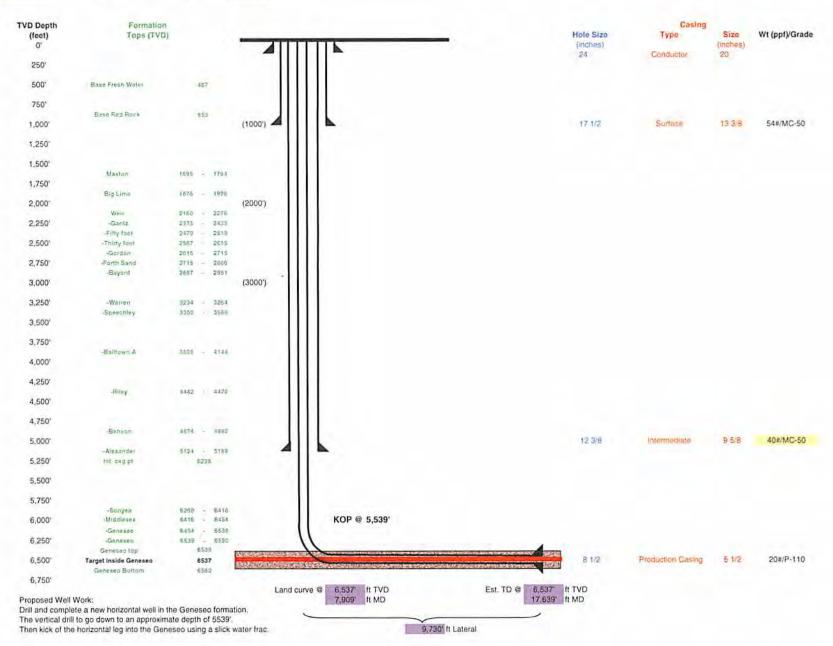


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Well 515273 (WEU49H7) EQT Production

West Union Azimuth 155
Doddridge West Virgina Vertical Section 10923



Received

Office of Oil and Gas WV Dept. of Environmental Protection

FEB 5 2014

Well Number: 515273 (WEU49H7)

Casing and Cemen	ting	Deepest Fresh Water: 487'				
Туре	Conductor	Mine Protection	Surface	Intermediate	Production	
Hole Size, In.	24		17 1/2	12 3/8	8 1/2	
Casing Size, OD In.	20		13 3/8	9 5/8	5 1/2	
Casing Wall Thickness, In.	0.375		0.380	0.395	0.361	
Depth, MD	40'	15-	903'	5,238'	18,139	
Depth, TVD	40'	-	903'	5,238'	6,537'	
Centralizers Used	Yes	2	Yes	Yes	Yes	
Weight/Grade	81#/MC-50	4	54#/MC-50	40#/MC-50	20#/P-110	
New or Used	New		New	New	New	
Pressure Testing		0:0	20% Greater than exp. Pressure	20% Greater than exp. Pressure	20% greater than exp. fracture pressure	
After Fracture Pressure Testing	9	1	-	1.0	20% greater than exp. shu pressure	
ID, in	19.25	11 34	12.615	8.835	4.778	
Burst (psi)	9	- 2-	2,480	3,590	12,640	
Collapse (psi)	-		1,110	2,470	11,100	
Tension (mlbs)	· ·		455	456	587	
Cement Class	-	1			Н	
Cement Type	Construction		1	1		
Cement Yield	1.18	July 34-	1.21	1.21	1.27/1.86	
Meets API Standards	6	100	Yes	Yes	Yes	
WOC Time		1	Min. 8 hrs	Min. 8 hrs	Min. 8 hrs	
Top of Cement (Planned)	Surface	1	Surface	Surface	5,438'	
Fill (ft.)	40'		903'	5,238'	12,201'	
Percent Excess	- 2	1 - 5-0	20	20	10	
Est. Volume (cu ft)	38		787	2,061	3,077	
Est. Volume (BBLS)	7	1 to 3.5	140	367	548	

WEST VIRGINIA GEOLOGICAL PROGNOSIS

515273 (WEU49H7)

led LP to TD:

1130 GL

1143 KB Elevation: Northing: 277584.6 276290.9 Easting: 1635660 3 Surface location 1634459.8 Landing Point Northing: Easting: Northing: Easting: Toe location 267472.5 1638571.9 155 Degrees Recommended Azimuth

Geneseo Doddridge

West Union

TVD: 6537

06449

@Intermediate Casing Point: The open hole logs need to consist of Gamma Ray, Neutron, Density, Induction and Dipole Sonic, CONTACT LUKE SCHANKEN PRIOR TO LOGGING (412.580.8016) Proposed Logging Suite:

@ Pilothole TD - Run OH logs for evaluation of uphole zones. An elog should be run for the first well on every horizontal well pad. GR/LDT/DIL/CNL/Temp/Audio (Allegheny's Air Suite) - pull GR to surface.
Mudloggers to be on location at kickoff point to run samples and measure gas

thru both the curve and lateral sections.

1800, 2050, 2600. Intm Csg. Pt., 3400, 4900, 5250. KOP, (Gas test at any mine void) Recommended Gas Tests:

Gas test during any trip or significant downtime while drilling the lateral section.

Possible red rock at:

Drilling Objectives:

County:

Quad:

115,188,277,408,588,683,753,835,853,

Formation	Top (TVD)	Base (TVD) Lithology	<u>Comments</u>
Fresh Water Zone	T	487	FW @ 243.292,352,487,
Coal	340	343 Coal	THE STANDARD AND THE ST
Pittsburgh Coal	483	485 Coal	Red Rock Possible @ 115,188,277,408,588,683,753,835,853,
Maxton	1695	1764 Sandstone	SW @ 1542
Big Lime	1876	1926 Limestone	W. 12.12.001
Weir	2160	2276 Sandstone	
Γορ Devonian	2375	DE LA DIMENSIONE	
-Gantz	2375	2435 Silty Sand	
-Fifty foot	2470	2519 Silty Sand	
-Thirty foot	2567	2615 Silty Sand	
-Gordon	2615	2715 Silty Sand	
-Forth Sand	2715	2806 Silty Sand	
-Bayard	2887	2951 Sifty Sand	
-Warren	3234	3264 Silty Sand	
-Speechley	3300	3589 Silty Sand	
-Balltown A	3805	4144 Silty Sand	
-Riley	4442	4470 Silty Sand	
-Benson	4874	4892 Silty Sand	
-Alexander	5124	5188 Silty Sand	
Int. esg pt	5238		Have offsets within 2500h radius producing from Alexander
-Sonyea	6260	6416 Gray shale	
-Middlesex	6416	6454 Shale	
-Genesee	6454	6539 with black shale	
-Geneseo	6539	6580 Black Shale	The same of pages 27 to 1970.
-Lateral Zone	6537	6537	Start Lateral at 6537 ft, drill to 6537 ft
-Tully	6580	6604 Limestone	The same of the sa
-Hamilton	6604	6621 calcareous shales	
-Marcellus	6621	6678 Black Shale	
-Purcell	6631	6642 Limestone	
-Cherry Valley	6658	6668 Limestone	
Onondaga	6678	Limestone	
Pilot Hole TD	6778		

Target Thickness 41 feet Anticipated Target Pressure 4409 PSI

Comments: Note that this is a TVD prog for a horizontal well. All measurements taken from estimated KB elevation. Water and coal information estimated from surrounding well data. Intermediate casing point is recommended 50' beneath the Alexander to shut off any production from offset wells. Intermediate casing should be cerrented into the surface string, per WV regulations. The estimated TD is the TVD landing point for the horizontal section of well, with the plan to then drill to a final TVD of 6537' at the toe of the lateral. The geologic structure is unknown at this time.

"Will cross a fault in the early portion of the lateral"

LATERAL DRILLING TOLERANCES

Mapview - Left of borehole: Mapview - Right of borehole: Deviate as little as possible left to avoid planned lateral 514393 Deviate as little as possible right to avoid prospect well 514394
DO NOT EXTEND beyond recommended wellbore to avoid leaseline. Mapview - TD:

RECOMMENDED CASING POINTS

CSG DEPTH: 903 Fresh Water/Coal CSG OD 50' below red rock CSG DEPTH: 5238 Intermediate 1: @ TD Production: CSG OD 5 1/2 CSG DEPTH:

Author Date Created T. Vactor/J. Dereume Plat Date

Prog created: Surface casing deepened 12/10/2013 12/3/2013 SLH JMD 1/16/2014

Received^{03/14/2014}

FEB 5 2014

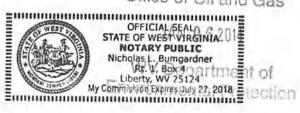
Office of Oil and Gas WV Dept. at Environmental Profection WW-9 (5/13)

Page /	of	v
API No. 47 017	آست	0
Operator's Well No.		515273

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

Fluids/Cuttings Disposal & Reclamation Plan

Operator Name	WEU49	OP	Code	
Watershed (HUC10)	Left Fork Arnold Creek	Quadrang	leWe	st Union 7.5'
Elevation11	30.0 County I	Doddridge	District	West Union
Do you anticipate using mo	ore than 5,000 bbls of water to d	complete the propo	sed well work?	Yes x No
	e anticipated pit waste:			
	r be used in the pit? Yes All Method For Treated Pit Wast		KIf so, wh	at ml.?60
	Land Application Underground Injection (Reuse (at API Number	UIC Permit Numb	er0014, 8	3462, 4037
		y form WW-9 for di	sposal location)
	used? Yes, The closed loop on the prepared for transportation to a			the drilling
Drilling medium anticipate	ed for this well? Air, freshwater,	Su	rface, Intermediate, and	ple sections of the wellbore.
If oil based, who	at type? Synthetic, petroleum, e	_	d is used to drill the curv	e and lateral.
Additives to be used in drill				Its,Rate Filtration Control,
	nt, Defoaming, Walnut Shell, X-Cide, S			
	r: lubricant, detergent, defoaming. Wa			
viscosifer, alkalinity control, lime,	chloride salts, rate filtration control, de	flocculant, lubricant, de	etergent, defoaming	g, walnut shell,
x-cide, SOLTEX terra				
	hod? Leave in pit, landfill, remo			andfill
	an to solidify what medium will be used		A SAME TO SHARE THE PARTY OF TH	n/a
 Landfill or offsite 	name/permit number?	See	Attached List	-
on August 1, 2005, by the Office provisions of the permit are enfor or regulation can lead to enforcer I certify under penalty of la application form and all attachme the information, I believe that the	and agree to the terms and conditions of of Oil and Gas of the West Virginia Deceable by law. Violations of any term of ment action. We that I have personally examined and into thereto and that, based on my inquinformation is true, accurate, and computing the possibility of fine or imprisonal.	partment of Environment or condition of the gener am familiar with the in- iry of those individuals plete. I am aware that t	ntal Protection. I un al permit and/or otl formation submitte immediately respo	nderstand that the her applicable law d on this nsible for obtaining
Company Official Signature		ul g	m	
Company Official (Typed N		Victoria J. F		
Company Official Title _		Permitting Supervi	sor	
Subscribed and sworn, before	ore me this day	yot DECEME	BEL	, 20 / 3
4			Ne	otary Public
My commission expires	6/27/2018			RE03/14/20
A a manifest of the same	7/1	To be a		Office of Oil and Ga



			Operator's Well No.		
Proposed Revegetation Tr	eatment: Acres Disturbed	37.4	Prevegetation pH	6.1	
Lime	3 Tons/acre or to c	orrect to pH	6.5		
Fertilize type					
Fertilizer Amount	1/3 lbs/acr	re (500 lbs minimum)			
Mulch	2	Tons/acre			
	S	eed Mixtures			
Temp Seed Type KY-31	lbs/acre 40	Seed Type Orchard Grass	Permanent lbs/a 15	cre	
Alsike Clover	5	Alsike Clover	5		
Annual Rye	15				
Photocopied section of inv	volved 7.5' topographic sheet.				
Plan Approved by: 49	overlas Newton	N	ahad Loff		
Dep regulation	d + Mulch in		To ww		
				4.	
Title: 6:1 4	Gas Taspedor	Date:/	- 10 - 201	7	
Field Reviewed? (_	V Yes	() No		

Office of Oil and Gas

Office of Oil and Gas

JAN 104 2014

WV Departmental Protection

Environmental Protection

EQT Production Water plan Offsite disposals for Marcellus wells

CWS TRUCKING INC.

P.O. Box 391 Williamstown, WV 26187 740-516-3586 Noble County/Noble Township Permit # 3390

LAD LIQUID ASSETS DISPOSAL INC.

226 Rankin Road Washington, PA 15301 724-350-2760 724-222-6080 724-229-7034 fax Ohio County/Wheeling Permit # USEPA WV 0014

TRI COUNTY WASTE WATER MANAGEMENT, INC.

1487 Toms Run Road Holbrook, PA 15341 724-627-7178 Plant 724-499-5647 Office Greene County/Waynesburg Permit # TC-1009

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Permit #SWF-1032-98 Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit #SWF-1025 WV-0109400 Approval #100833WV

BROAD STREET ENERGY LLC

37 West Broad Street **Suite 1100** Columbus, Ohio 43215 740-516-5381 Washington County/Belpre Twp. Permit # 8462

TRIAD ENERGY

P.O. Box 430 Reno, OH 45773 740-516-6021 Well 740-374-2940 Reno Office Jennifer Nobel County/Jackson Township Permit # 4037

KING EXCAVATING CO.

Advanced Waste Services 101 River Park Drive New Castle, Pa. 16101 Facility Permit# PAR000029132

> 03/14/2014 RECEIVED Office of Oil and Gas

> > JAN 0 8 2014

WV Department of Environmental Protection



Site Specific Safety and Environmental Plan For

EQT WEU 49 Pad

<u>West Union</u> Doddridge County, WV

For Wells:

_514393514394514393513273
December 10, 2013 December 10, 2013
Title 1-10-2014 Date

Office of Oil and Gas

Office of Oil and Gas

JAN 1 4 2014

WV D. 37 Iment of

Environmental 4/2014

				Pressure	Test Pressure	
Size (in)	Operation	Hole Section	Type	Class	(psi)	Testing Frequency
13-5/8"	Drilling	Intermediate	Annular	3M	2100	Initial
13-5/8"	Drilling	Pilot	Annular	3M	2100	Initial, Weekly, Trip
13-5/8"	Drilling	Pilot	Annular	5M	4000	Initial, Weekly, Trip
13-5/8"	Drilling	Production	Annular	5M	3500	Initial, Weekly, Trip
13-5/8"	Drilling	Production	Blind	5M	4000	Initial, Weekly, Trip
13-5/8"	Drilling	Production	Pipe	5M	4000	Initial, Weekly, Trip

Wellhead Detail

Size (in)	Type	M.A.W.P. (psi)
13-3/8" SOW x 13-5/8" 5M	Multi-ball Well Head	5,000
13-5/8" 5M x 7-1/16 10M	Tubing Head	10,000
2-1/16" 5M	Christmas Tree	5,000

Well Control Trained Personnel

- Drilling
 - o EQT On-Site Specialist 2 on rotating hitches.
 - Contract Group's Tool Pusher & Drillers
- Completions & Production
 - o EQT On-Site Specialist

