

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

July 30, 2014

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-1706503, 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: 513153

Farm Name: HENDERSON, JUSTIN L.

API Well Number: 47-1706503

Permit Type: Horizontal 6A Well

Date Issued: 07/30/2014

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. <u>Failure to adhere to the specified permit</u> conditions may result in enforcement action.

CONDITIONS

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE 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.
- 9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

1) Well Operator: EQT Production Company

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

		Opera	or to County L	District Quadrangle
2) Operator's Well Number:		513153	Well Pad Name:	OXF159
3) Farm Name/Surface Owner :		Henderson	Public Road Acce	ess: CR 13
4) Elevation, current ground:	1,270.0	Elevation, pro	posed post-construction:	1,252.0
5) Well Type: (a) Gas	Oil _	Undergrou	nd Storage	
Other				
(b) If Gas:	Shallow _	• Dee	p	
	Horizontal _			
6) Existing Pad? Yes or No:	- no			
8) Proposed Total Vertical Depth			kness to be 36 feet and anticipate 6,820	d target pressure of 4400 FSI
Formation at Total Vertical Depart	nile:		Onendega	
(0) Proposed Total Measured De			46.00.2	
Proposed Horizontal Leg Len			7 400	
2) Approximate Fresh Water Str	-		261, 322, & 398	
3) Method to Determine Fresh V			By offset wells	
4) Approximate Saltwater Depth			1309 & 1376	
5) Approximate Coal Seam Dep	ths:		243, 310, 471, 316, 729, & 7	732
6) Approximate Depth to Possib			1	None reported
17)Does proposed well location adjacent to an active mine?	n contain coal	seams directly overlyi	ng or	
(a) If Yes, provide Mine Info:	Name:			
	D			
	Seam:			
	Owner:			

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CASING AND TUBING PROGRAM

18)					Terror and a second	Trible Colored	The second second second
TYPE	Size	<u>New</u> or Used	Grade	Weight per tt.	FOOTAGE: for Drilling	Left in Well	CEMENT: Fill- up (Cu.Ft.)
Conductor	20	New	MC-50	81	40	40	38 C.T.S.
Fresh Water	13 3/8	New	MC-50	54	1,099	1,099	951 C.T.S.
Coal			/				
Intermediate	9 5/8	New	MC-50	40	5,277	5,277	2,070 C.T.S.
Production	5 1/2	New	P-110	20	14,978	14,978	See Note 1
Tubing	2 3/8		J-55	4.6			May not be run, if run will be set 100' fess than TD
Liners							

	N 1
	DC 2014
1	6-12

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	<u>Cement</u> <u>Type</u>	Cement Yield (cu. ft./k)
Conductor	20	24	0.375		Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,480	* See Note 2	1.21
Coal		1				
Intermediate	9 5/8	12 3/8	0.395	3,590	* See Note 2	1.21
Production	5 1/2	8 1/2	0.361	12,640	0.11	1.27/1.86
Tubing						
Liners		9				

Packers

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.

Note 2: Reference Variance 2014-17.

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July 28, 2014

Mr. Gene Smith West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re: Casing on OXF159(47-01706502, 06503, 06504, 06505, 06506, 06507)

Dear Mr. Smith,

EQT is requesting the 13 3/8" surface casing to be set 50' below the deepest red rock show to cover potential red rock issues. The proposed casing set depth is above ground elevation (1,252'elevation). The reason for this is the red rock swells during drilling of the intermediate section causing many drilling problems such as, but not limited to, lost drilling assemblies and casing running issues.

EQT is reviewing the OXF159, we would like to request to set the surface casing deeper on each well. The 13 3/8" casing will be set at a depth of approximately 1099' KB (50' below the anticipated red rock show).

If you have any questions, please do not hesitate to contact me at (304) 848-0076.

Sincerely,

Vicki Roark Permitting Supervisor-WV

Enc.

(3/13)

Drill and complete a new horizontal well in the Marcellus formation. The vertical drill	to go down to an approximate depth of 6820. Tag the
Onendaga not more than 80', run logs, then plug back to approximately 5920. Then	n kick off the horizontal leg into the Marcellus formation
using a slick water frac.	
20) Describe fracturing/stimulating methods in detail, including anticipat	ed max pressure and max rate:
Hydraulic fracturing is completed in accordance with state regulations using water recycle	
freshwater sources. This water is mixed with sand and a small percentage (less than 0.3 gelling agent, gel breaker, friction reducer, blocide, and scale inhibitor), referred to in the	
anticipated treating pressures are expected to average approximately 8500 psl, meximum	n anticipated treating rates ere expected to average
approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximate	
vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand pe	n stage.
21) Total area to be disturbed, including roads, stockpile area, pits, etc,	(acres): ± 25.80 Ac.
22) Area to be disturbed for well pad only, less access road (acres):	± 6.0 Ac.
23) Describe centralizer placement for each casing string.	
 Surface: Bow spring centralizers – One at the shoe and one spaced e Intermediate: Bow spring centralizers – One cent at the shoe and one 	
Production: One spaced every 1000' from KOP to Int csg shoe	
24) Describe all cement additives associated with each cement type.	Surface (Type 1 Cement): 0-3% Calcium Chloride
Used to speed the setting of cement slurries.	Surface (19be 1 Cement): 0-3% Calcium Chloride
0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the ce	
Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low	
slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss to a thief zone.	or whole drilling fluid or cement sturry (not hitrate)
Production:	
Lead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening	time.
0.3% CFR (dispersant). Makes cement easier to mix.	
Tail (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening	g 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. Surface: Circulate hole cle	ean (Approximately 30-45 minutes) rotating & reciprocating
one full joint until cuttings diminish at surface. When cuttings returning to surface	e 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	ne likely indicates washouts that will not clean up.
Intermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & recipro	ocating one full joint until cuttings diminish at
surface. When cuttings returning to surface diminish, continue to circulate an a	dditional 5 minutes. If foam drilling, to enhance
hole cleaning use a soap sweep or increase injection rate & foam concentration	<u> </u>
<u>Production:</u> Pump marker sweep with nut plug to determine actual hole washout. C	alculate a gauge holes bottoms up volume.
Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are cleanup	an. Check volume of cuttings coming across
the shakers every 15 minutes.	

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

*Note: Attach additional sheets as needed.

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March 18, 2014

Nabors Completion & Production Services Company 1380 Route 286 Hwy E #121 Indiana PA 15701

Re: Cement Variance Request

Dear Sir or Madam,

This agency is approving a variance request for the cement blend listed below to be used on surface and coal protection strings for the drilling of oil and gas wells in the state of West Virginia. The variance cannot be used without requesting its use on a permit application and approval by this agency:

Type 1 (2% Calcium Chloride-Accelerator, 0.25% Super Flake-Lost Circulation, 5.2% Water, 94% Type "1" Cement)

If you have any questions regarding this matter feel free to contact me at 304-926-0499, ext. 1653.

Sincerely,

James Peterson

Environmental Resources Specialist / Permitting



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 dep.wv.gov

BEFORE THE OFFICE OF OIL AND GAS DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE OF WEST VIRGINIA

IN THE MATTER OF A VARIANCE FROM)	ORDER NO.	2014 - 17
REGULATION 35 CSR § 4-11.4/11.5/14.1)		
AND 35 CSR § 8-9.2.h. 4/5/6/8 OF THE)		
THE OPERATIONAL)		
REGULATIONS OF CEMENTING OIL)		
AND GAS WELLS)		

REPORT OF THE OFFICE

Nabors Completion & Production Services Co. requests approval of a different cement blend for use in cementing surface and coal protection casing of oil and gas wells.

FINDINGS OF FACT

- 1.) Nabors Completion & Production Services Co. proposes the following cement blend:
 - 2% Calcium Chloride (Accelerator)
 - 0.25 % Super Flake (Lost Circulation)
 - 94% Type "1" Cement
 - 5.20 % Water
- Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500
 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24
 hours.

CONCLUSIONS OF LAW

Pursuant to Articles 6 and 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to 35 CSR § 4-11.5 and 35 CSR § 8-9.2.h.8 the Chief of the Office of Oil and Gas may approve different cement blends upon the well operator providing satisfactory proof that different cement types are adequate.

ORDER

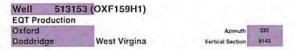
It is ordered that Nabors Completion & Production Services Co. may use the cement blend listed in Findings of Fact No.1 for the cementing of surface and coal protection casing of oil and gas wells in the State as may be requested by oil and gas operators. The waiting time on the cement blend shall be 8 hours. The cement blend shall be mixed in strict accordance with the specifications for each blend and weight measurements made on-site to assure the cement slurries meet the minimum weight specifications. A sample shall be collected and, if after 8 hours the cement is not set up, additional time will be required. Nabors Completion & Production Services Co. shall keep a record of cement blend jobs in which the cement blend approved under this order is to be used and made available to the Office of Oil and Gas upon request.

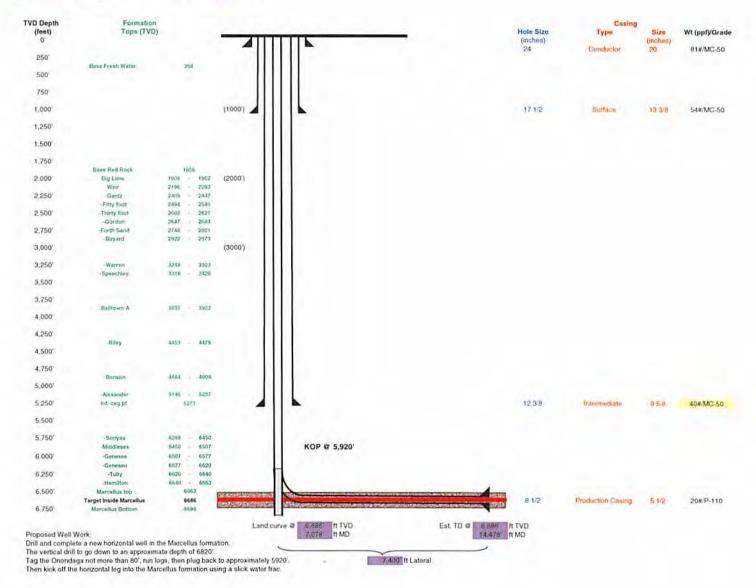
Dated this, the 18th day of March, 2014.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oil and Gas





513153 (OXF159H1) Doggridae Elevation KB: Well Name Target
Prospect
Azimuth
Vertical Section 0' -7 Hole Size 24" - 20" Conductor at 40" 398' Fresh Water Base 500' -- 500' TOC @ Surface 13 3/8", MC-50, 54.5# @ 1,099 ft MD Bit Size 12.375* 1,000' -- 1,000 1,500' -- 1.500 1,856' Base Red Rock 2,000' — 1,908' Big Lime - 2,000 2,196' Weir 2,500' - 2,409' -Gantz 2,494' -Fifty foot 2,500 2,602' -Thirty foot 2.647 -Gordon 2,748' -Forth Sand 3,000' - 2,922' -Bayard - 3,000 3,249' -Warren 3,318' -Speechley - 3,500 3,835' -Balltown A 4,000' -- 4,000 4,500' — 4,453' -Riley - 4,500 4,884' -Benson 5,000' -- 5,000 5,146' -Alexander 5,277' Int. csg pt TOC @ Surface 9 5/8*, MC-50, 40# @ 5,277* ft MD Bit Size 8.5" 5,500' -- 5,500' 6,000' — 6,298' -Sonyea KOP = 5,920 ft MD - 6,000 10 Deg DLS 6,450 -Middlesex 7,078' ft MD 6,688' ft TVD 6,507 -Genesee 6,577 -Geneseo 6,500' — 6,620' -Tully 6,500 5 1/2", P-110, 20# 14,478" ft MD 6,686" ft TVD 6.640' -Hamilton 6,663 -Marcellus 6,720' Onondaga 7.000' -- 7.000 7,500' -**—** 7.500° - 8,000 8,000 -

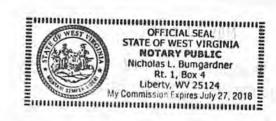
WW-9 (5/13)

Pa	ge	of	
API No. 47 -	017		0
Operator's We	II No.		513153

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

Fluids/Cuttings Disposal & Reclamation Plan

Operator Name	EQT Production Co.	OP Code_	
Watershed (HUC10)	Bluestone Creek	Quadrangle	Oxford 7.5'
Elevation 1252	2.0 County [Doddridge District	Southwest
Do you anticipate using more	e than 5,000 bbls of water to d	complete the proposed wel	I work? Yes x No
Will a pit be used ? Yes:			
Will a synthetic liner b	pe used in the pit? Yes	NoXI	f so, what ml.?60
Proposed Disposal	Reuse (at API Number	UIC Permit Number	Í
	Off Site Disposal (Supply Other (Explain	y form WW-9 for disposal I	ocation)
5 1일, 1 m 1 2 시간 시간 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	sed? Yes, The closed loop in prepared for transportation to a		gs from the drilling
Drilling medium anticipated	for this well? Air, freshwater,	oil based, etc. Air is used to d	nil the top-hole sections of the wellbore.
		Surface, Interm	rediate, and Pilot hole sections, water based
AND THE RESERVE OF THE PARTY OF		-	drill the curve and lateral.
If oil based, what	type? Synthetic, petroleum, e	etc	
Additives to be used in drillin	g medium? MILBAR, Visco	osifer, Alkalinity Control, Lime, Ch	loride Salts,Rate Filtration Control,
Deflocculant, Lubricant, Detergent,	Defoaming, Walnut Shell, X-Cide, S	SOLTEX Terra. Of the listed cher	micals the following are
generally used when drilling on air:	lubricant, detergent, defoaming. Wa	ater based fluids use the followin	g chemicals: MILBAR,
viscosifer, alkalinity control, lime, ch	nloride salts, rate filtration control, de	flocculant, lubricant, detergent,	defoaming, walnut shell,
x-cide, SOLTEX terra			
	od? Leave in pit, landfill, remo	A Part Contract of the Contrac	Landfill
 If left in pit and plan 	to solidify what medium will be used	? (Cement, Line, sawdust)	n/a
 Landfill or offsite na 	ame/permit number?	See Attache	ed List
on August 1, 2005, by the Office of provisions of the permit are enforce or regulation can lead to enforceme I certify under penalty of law application form and all attachment the information, I believe that the in	that I have personally examined and s thereto and that, based on my inque formation is true, accurate, and come ing the possibility of fine or imprisons.	partment of Environmental Proter or condition of the general permit If am familiar with the information uiry of those individuals immediat plete. I am aware that there are s	ction. I understand that the and/or other applicable law submitted on this ely responsible for obtaining
oumpany Official Title		r community gupervisor	
Subscribed and sworn before	e me this da	y of MAY	, 20
VJ			Notary Public
My commission expires	6/27/2	0(8	08/01/20



		Operato	r's Well No.	5131
Proposed Revegetation	Treatment: Acres Disturbed	± 25.80 Ac.	Prevegetation	n pH6.2
Lime	3 Tons/acre or to c	orrect to pH	6.5	
Fertilize type				
Fertilizer Amour	ntlbs/acc	re (500 lbs minimum)		
Mulch	2	Tons/acre		
	S	eed Mixtures		
Ten Seed Type KY-31	lbs/acre 40	Seed Type Orchard Grass	Permanent	lbs/acre 15
Alsike Clover	5	Alsike Clover		5
Annual Rye	15			
Photocopied section of in	volved 7.5' topographic sheet.			
Plan Approved by:	Douglas Newlar	-		
	eed + Mulch in		gintaw	E+5
	p regulations			
Title: Oil - D	is inspectar	Date: 5-12	-2014	
Field Reviewed? () Yes	T-) No	

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

- B.-...



Site Specific Safety Plan

EQT OXF159 Pad

Oxford

Doddridge County, WV

_513153	_513154	513155	For Wells: 513700	513701	514095
Production production	J. L. Speneuse	_	Prepared:	April 11, 2014 Gasg WV Oil and	Pas Assolution Gas Inspector
5-1-14				Date	2-2014

Section V: BOP and Well Control 47 0 17 0 6 5 0 3

BOP equipment and assembly installation schedule:

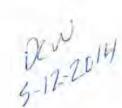
Cina (in)	Operation	Hole Section	Type	Pressure Class	Test Pressure (psi)	Testing Frequency
Size (in)		Intermediate	Annular	ЗМ	2100	Initial
13-5/8"	Drilling	Pilot	Annular	ЗМ	2100	Initial, Weekly, Trip
13-5/8"	Drilling		Annular	5M	3500	Initial, Weekly, Trip
13-5/8"	Drilling	Production	Blind	5M	4000	Initial, Weekly, Trip
13-5/8"	Drilling	Production		5M	4000	Initial, Weekly, Trip
13-5/8"	Drilling	Production	Pipe			Initial
7-1/16"	Completions	Production	Cameron U's	5M	5000	17.72.71
13-5/8"	Drilling	Pilot (Onondaga Tag)	Annular	5M	4000	Initial,Weekly, Trip

Wellhead Detail

Cias (in)	Type	M.A.W.P. (psi)
Size (in) 13-3/8" SOW x 13-5/8" 5M	Multi-bowl 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
2-1/16 5IVI	Officialities 1102	

Well Control Trained Personnel:

- Drilling
 - EQT On-Site Specialist 2 on rotating hitches. O
 - Contract Group's Tool Pusher & Drillers 0
- Completions & Production
 - EQT On-Site Specialist



Notification Procedure

Significant Event Notifications

- A detailed record of significant drilling events will be recorded in the EQT Production Well Log Book.
- In addition to the record above, the local inspector of the WV DEP Office of Oil and Gas and Supervisor of EH&S will be notified by the EQT On-Site Specialist for the following events:
 - Lost Circulation
 - Encounter of Hydrogen Sulfide Gas
 - Immediate notification is required of any reading of Hydrogen Sulfide Gas greater than 10ppm
 - Fluid Entry 0
 - Abnormal Pressures
 - Blow-outs 0
 - Significant kicks
- Contact information can be found in Section II

Emergency Notifications

In the event emergency response personnel and residents surrounding the work site are affected by specific events during the operation they must be notified as soon as possible by the On-site Specialist or their designee.

Flaring Notifications

The local fire department(s) and/or county dispatch centers must be notified immediately prior to the ignition of a

