

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

August 28, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-9502279, 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.

Operator's Well No: 512891

Farm Name: PETER, DONNA J.

API Well Number: 47-9502279

Permit Type: Horizontal 6A Well

Date Issued: 08/28/2015

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 one hundred (100) 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.

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(4/15)	

APINO. 47 - 095	
OPERATOR WELL NO.	512891
Well Pad Name:	WEU4

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WELL WORK PERMIT APPLICATION

1) Well Operator: EQT Proo	остра	.у		306686	095	1	671
2) Operatorio Well No.			O	perator ID	County	District	Quadrangle
Operator's Well Number:					_ Well Pad Na	ma	
) Farm Name/Surface Owner		Danna					WEU4
		Donna	J. Peter		_ Public Road	Access:	WV-18
) Elevation, current ground:	1,097.0	-	Elevation.	Dronosed r	ost-construction		
i) Well Type: (a) Gas	-			hi oboaed h	ost-constructio	n:1.07	8.0
i) Well Type: (a) Gas	011_		Underg	round Stora	age		
Other							
(b) If Gas:	Shallow			Deep			
			_	oceh			M . 1
	Horizontal		4				helia
Existing Pad? Yes or No:							,
Proposed Target Formation(s)	No , Depth(s), Anti	icipated Ti	hicknesse:	s and Assoc	cialed Pressure	(s):	Michael
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Page 1 of 3

RECEIVED Office of Oil and Gas

JUL 29 2015

WV Department of Environmental Protection

WW - 6B (4/15)

APINO. 47 - 095 OPERATOR WELL NO. Well Pad Name:

CASING AND TUBING PROGRAM

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TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS:	CEMENT: Fill- up (Cu.Ft.)
Conductor	20	New	MC-50			(ft)	rin- up (Cu.Ft.)
	-		1010-50	81	40	40	38 C.T.S.
Fresh Water	13 3/8	New	J-55	54.5	361	764	
Coal	-	÷				361	336 C.T.S.
Intermediate	9 5/8	New	A-500		-	_	-
2000	F 4 m			40	3,024	3,024	1,202 C.T.S.
Production	5 1/2	New	P-110	20	12,256	10.050	
Tubing	2 3/8		J-55	40	12,200	12,256	See Note 1
iners			0.03	4.6			May not be run, if run will be set 100' less than TD

512891

WEU4

TYPE	Size (in)	<u>Wellbore</u> <u>Diameter (in)</u>	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield
Conductor	20	24	0.375		Tessore (psi)		
Fresh Water	13 3/8	17 1/2	0.38	0.700	18	Construction	1.18
Coal			0.00	2,730	2184	* See Note 2	1.21
Intermediate	9 5/8	12 3/8	0.395	2.052			
Production	5 1/2	8 1/2		3,950	3160	* See Note 2	1.21
Tubing		-	0.361	12,640	10112		1.27/1.86
iners							

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. (Attached)

RECEIVED Page 2 of 3
Office of Oil and Gas

JUL 29 2015

WV Department of Environmental Protection

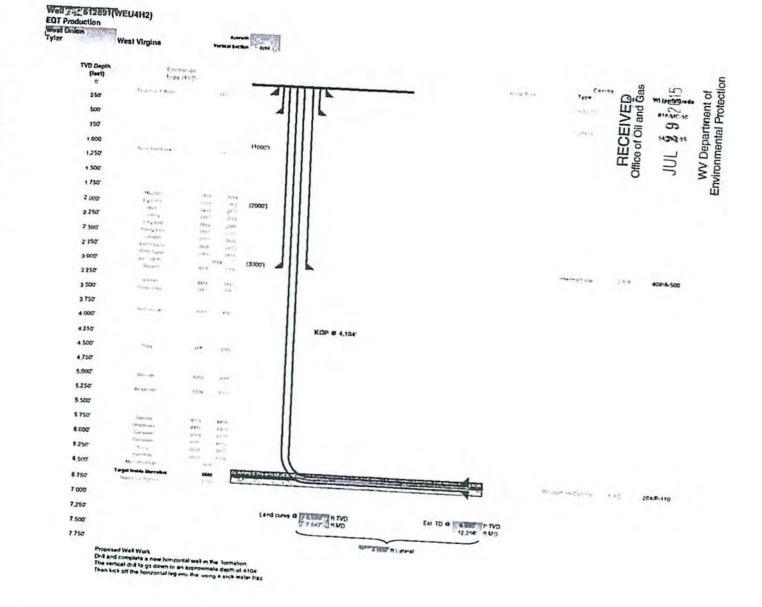
WW - 6B					
4/1105	^	0 0		^	
(10/14) 47095	U	2 2	. /	9	
					OPERATOR WELL NO.
19) Describe proposed well work, including the drilling and plugging back					Well Pad Name:
Drill and complete a pew horizontal well to me and progging back	k of	апу р	ilot I	ole:	
Drill and complete a new horizontal well in the Marcellus formation. The vertical drill in	o go	down !	o an a	pprox	simale depth of 4104'.
as a slick water frac.		_	_		
20) Describe fracturing/stimulating methods in detail, including anticipated Hydraulic fracturing is completed in accordance with state and the state and th			_		
Hydraulic fracturing is completed in accordance with state regulations using water recycled reshwater sources. This water is mixed with sand and a small percentage (less than 0.3%)	a m	ax pr	essu	re an	nd max rate:
freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%) gelling agent, gel breaker, friction reducer, biocide, and scale inhibitor), referred to in the ind	from	previo	usly t	acture	ed wells and obtained from
driftspated internal casing american is account.	Jusuy	45 4	SHCKY	aler (Completion Maximum
approximately 100 bom. Stage lengths was tree and	um a	nticipa	led tr	ating	rales are expected to average
vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per st.	200,0	00 bar	rels o	wate	r per stage. Sand sizes
por su	aya.	_	-		
21) Total area to be disturbed, including roads, stockpile area, pils, etc. (a	cres	1.			
22) Area to be disturbed for wall and anti-		,		_	19.18
23) Describe centralizer placement for each casing string.	_				13.17
	v 50	O'			
Intermediate: Bow spring centralizers - One at the shoe and one spaced ever Production: One spaced every 1000' from KOP to Int csg shoe	iced	ever	50)'	
1.4% (lake, Loss Circulation Material (LCM) is used to combat the loss of the ceme attermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low tem lurries. 0.4% (lake, Loss Circulation Material (LCM) is used to combat the loss of w	nt si pera	urry to	a th	lef zo	one.
lurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of w	vhole	drillin	g Ilu	id or	cement slurry (not filtrate)
roduction:					
ead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening time.					RECEIVED
size of the commonate (Refairder) Legathore state		_	_		Office of Oil and Ga
3% CFR (dispersant). Makes assessed to the control of the control					
State (dispersant). Makes cement easier to mix.					1111 9 0 201
all (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthers thickening the	_				JUL 2 9 201
all (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening time. 2-0.3% CFR (dispersant). This is to make the cement easier to mix.					WV Department of
all (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthers thickening the					

the shakers every 15 minutes.

hole cleaning use a soap sweep or increase injection rate & foam concentration.

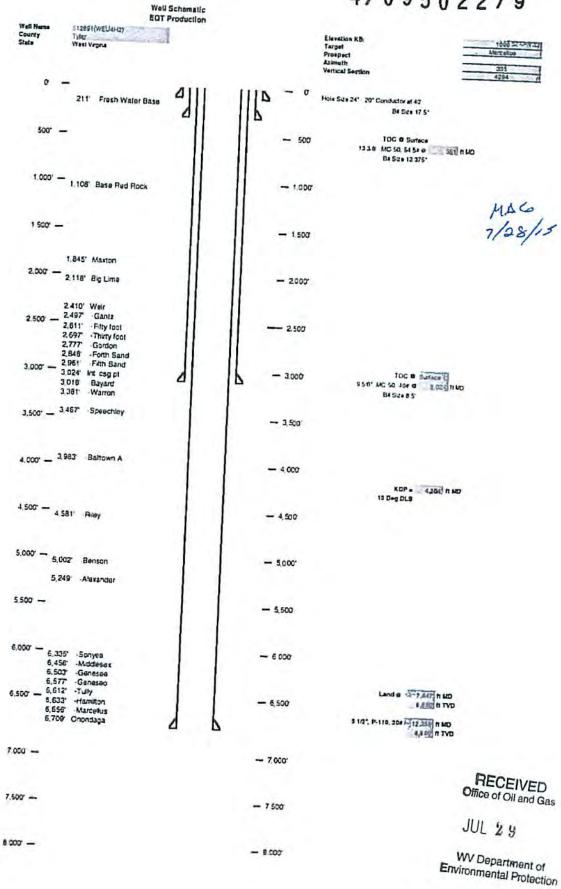
Production: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume. Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clean. Check volume of cuttings coming across

^{*}Note: Attach additional sheets as needed.



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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

deprive 9 5 n 2 2 7 9

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
- 2.) 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.

Promoting a healthy environment.

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Office of Oil and Gas

JUN 25 2015

WV Department of Environmental Protection 08/28/2015

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 to Manusoptia coment of 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

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Office of Oil and Gas

JUN 25 2015

WV Department of Environmenta: Protection



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

March 18, 2014

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

4709502279

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 I (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.

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Environmental Resources Specialist / Permitting

Promoting a healthy environment.

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Office of Oil and Gas

JUN 2 5 2015

WV Department of Environmental Protection



May 12, 2015

Mr. Gene Smith
West Virginia Department of Environmental Protection 9 5 0 2 2 7 9
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Casing change on WEU4 (512890, 512891, 512893, 512894, 512895)

Dear Mr. Smith,

EQT is requesting the 13 3/8" surface casing to be set at 361' KB, 150' below the deepest fresh water. We will set the 9-5/8" intermediate string at 3024' KB, 50' below the base of the Fifth Sand.

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

Sincerely,

Vicki Roark

Permitting Supervisor-WV

Enc.

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Office of Oil and Gas
July 2 5 2015
WV Department of
Environmental Projection

WW-9 (2/15)

	Page	1	of	2
API No. 47	- 09	5		02279
Operator's \	Vell No		1	512891

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

Fluids/Cuttings Disposal & Reclamation Plan

Operator Name	EQT Production Comp	any	OP Code	30	06686
Watershed (HUC10)	Tributary of Camp Mistake Rur	n Qua	adrangle	West Ur	ion 7.5'
Do you anticipate using n	nore than 5,000 bbls of water				
Will a pit be used ? Yes:					
If so please descri	ibe anticipated pit waste:	ffo	wback water &	residual sol	lids
Will a synthetic En	er be used in the pit? Yes		11		
Proposed Dispos	sal Method For Treated Pit V Land Application Underground Injection Reuse (at API Number Off Site Disposal (Su Other (Explain	(UIC Permit I	Number (Various of for disposal to		4037
fluid. The drill cuttings are the	e used ? Yes, The closed to hen prepared for transportation	to an off-site disp	osal facility.		nilling
Ar is used to dril the top-hole sections of the	d for this well (vertical and his he wellbore (surface, informedate, and pilot). I hole, curve, and lateral sections will be drilled	Water based mud may be	nocessary depending or	hale conditions to	stabiliza
Additives to be used in dril alkalinity control, lime, filtration c Oil based mud – synthetic base biodegradable oil lubricant, defor	ontrol, deflocculates, bicdegradable oil, emulsilier, salt, lime, viscosiler,	radable of lubricant, deter le o'l lubricant, defor , alkalinity control, fil	aming, walnut shel	, salt, x-cide,	
	hod? Leave in pit, landfill, re			Landfill	
	n to solidify what medium will be us				/a
- Landill or offsite	name/permit number?		See Attached	List	
Permittee shall provide writter at any West Virginia solid was also disclose where it was pro	n notice to the Office of Oil and ste facility. The notice shall be perly disposed.	Gas of any load o provided within 24	f drill cuttings or hours of rejection	associated v	vaste rejected ermittee shall
on August 1, 2005, by the Office of	nd agree to the terms and condition of Oil and Gas of the West Virginia ceable by law. Violations of any ten ment action.	Department of Envir	ronmental Protection	on. I understar	nd that the
I certify under penalty of lav application form and all attachmen	w that I have personally examined a hits thereto and that, based on my li	and am familiar with	the information su	bmitted on thi	s or obtaining
he information. I believe that the i	information is true, accurate, and ci	complete. I am aware	that there are sign	n licant penalti	es for
Company Official Signature		w	11.1	_	
Company Official (Typed Na Company Official Title	ime)		Hoark		
		Permitting Su	pervisor		
Subscribed and sworn befor	re me this 29th d	lay of Ju	Ly .	. 20	15

my commission expires 4-7-20

			Operato	or's Well No.	51:
Proposed Revegetation	Treatment: Acres Di	sturbed	19.1B	Prevegetation pH	6.3
Lime	3 Tons	/acre or to co	prrect to pH	6.5	
Fertilize type	Granula	r 10-20-20			
Fertilizer Amour	nt1/3	Ibs/acro	(500 lbs minimum)		
Mulch	2		Tons/acre		
		Se	ed Mixtures		
Terr	porary			Permanent	
Seed Type KY-31	lbs/acre 40	_	Seed Type Orchard Grass	lbs/a	cre
Alsike Clover	5		Alsike Clover	5	
Annual Rye	15				
Photocopied section of inv Plan Approved by:		Haff			_
Arc LVI	SEED 4		h any o	istorbed	are
10	s neces	Sary.		- 3	ad e

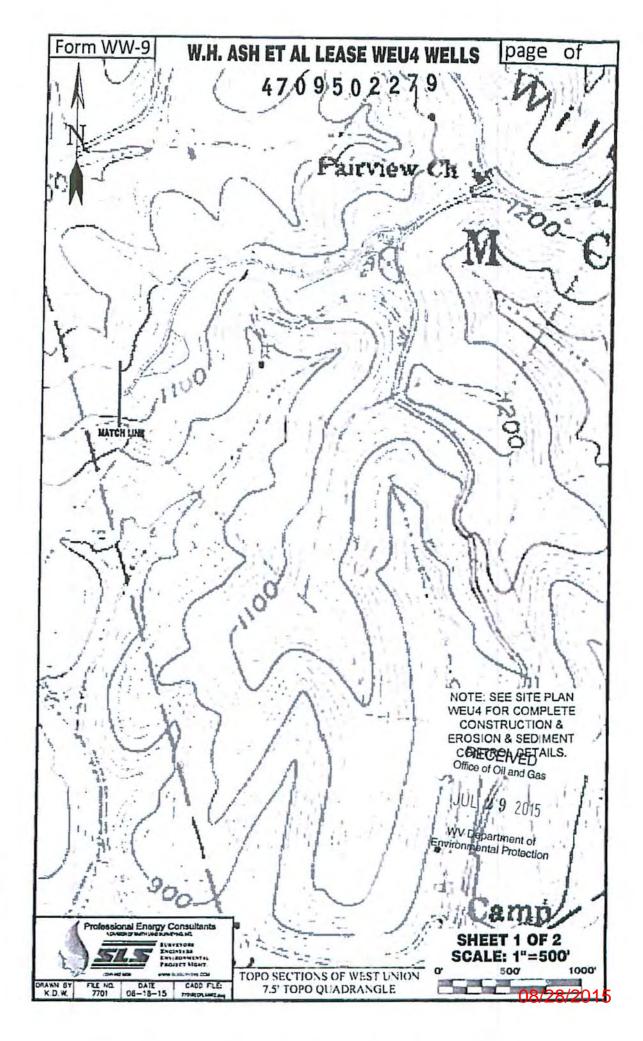
__) Yes (_

Field Reviewed?

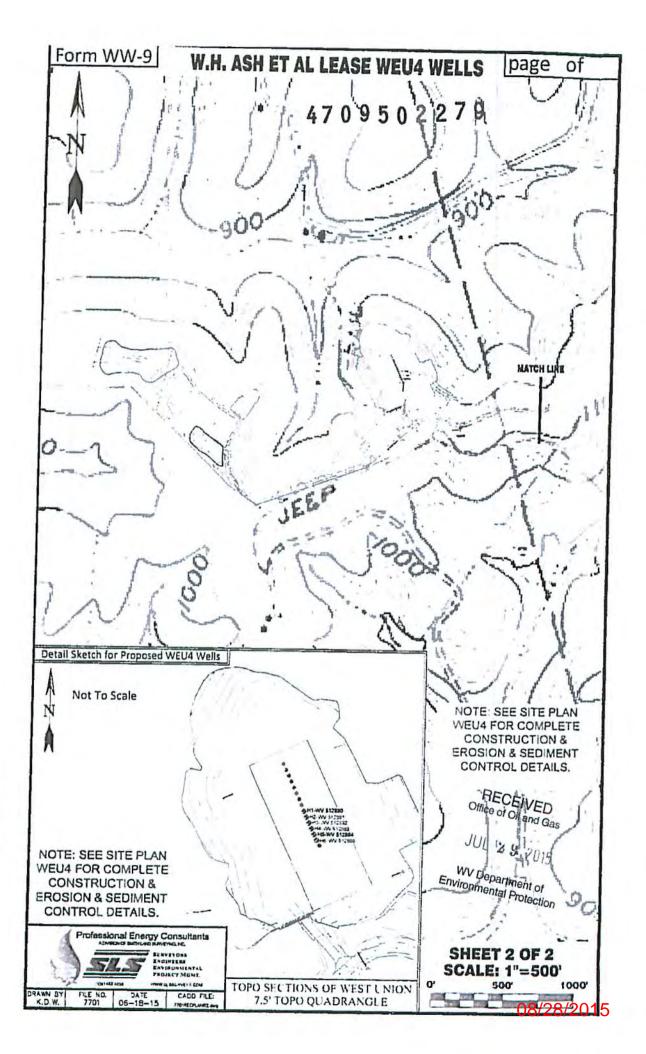
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JUL 29 2015

WV Department of Environmental Protection



MAG 7/28/15



MAG 7/23/15



Site Specific Safety Plan

EQT WEU 4 Pad

Alma Tyler County, WV

514891	For Wells:	
EQIProduction Crem. Hong Superior Title Date	Date Prepared:	May 6, 2015 Michael Laff WV Oil and Gas Inspector Title 7 / 88 / 15 Date PECEIVED Office of Oil and Gas JUL 28 7/10
		WV Departmental Pri

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.

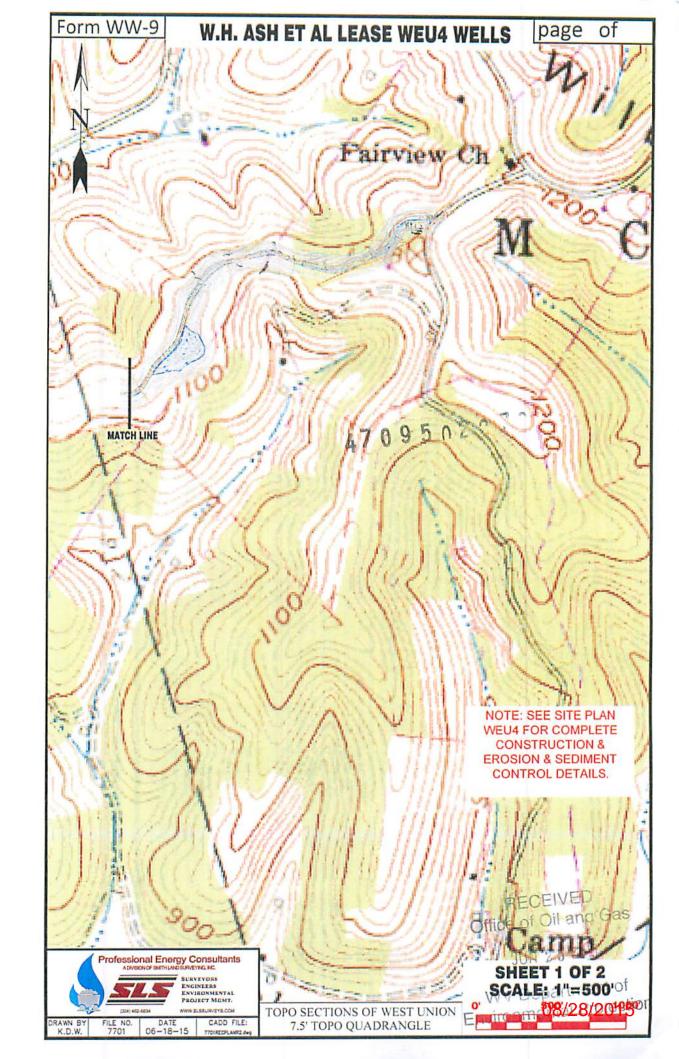
Advanced Waste Services 101 River Park Drive New Castle, Pa. 16101 Facility Permit# PAR000029132

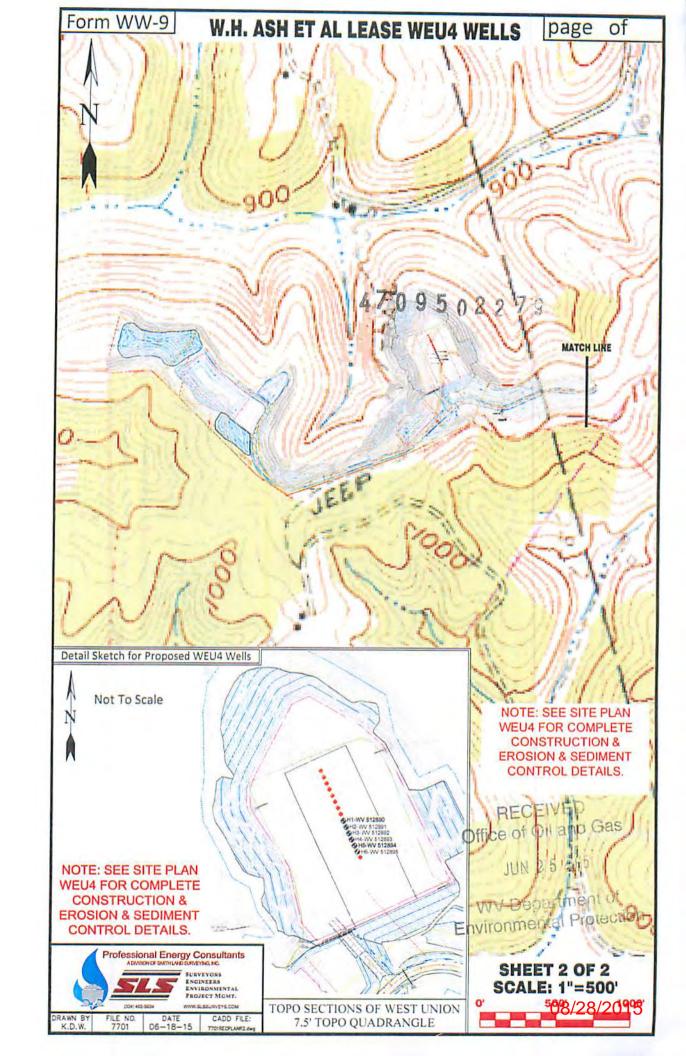
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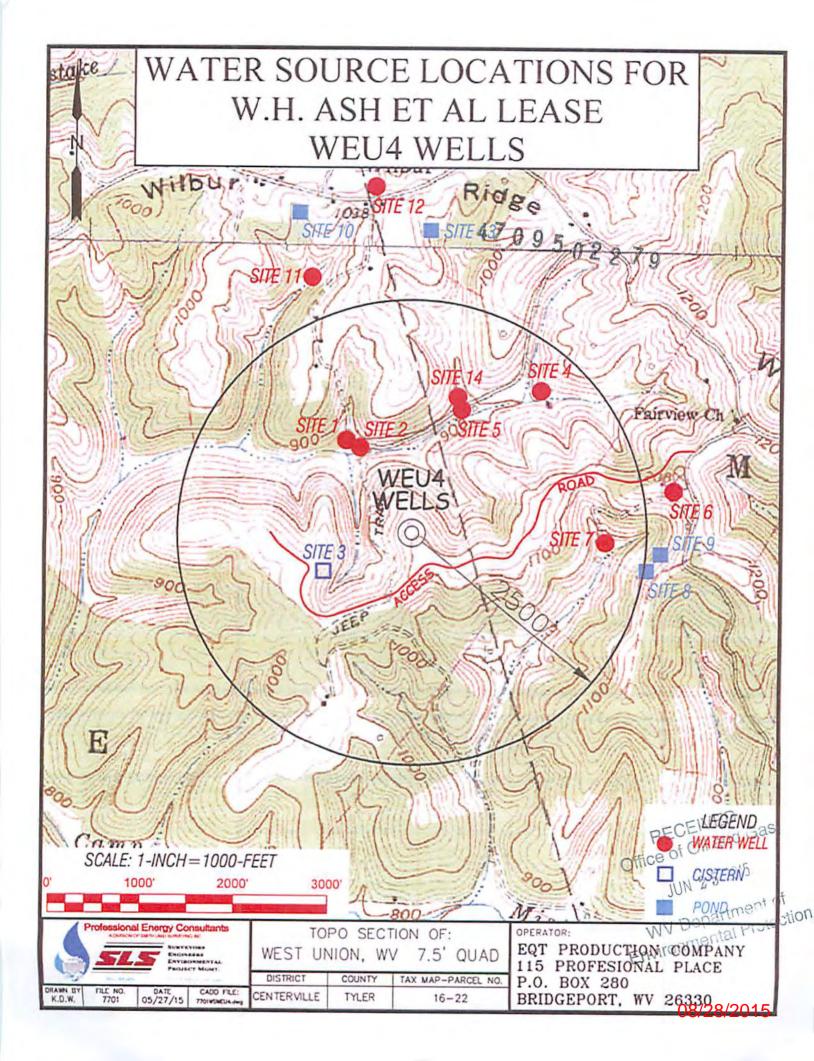
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Office of Oil and Gas

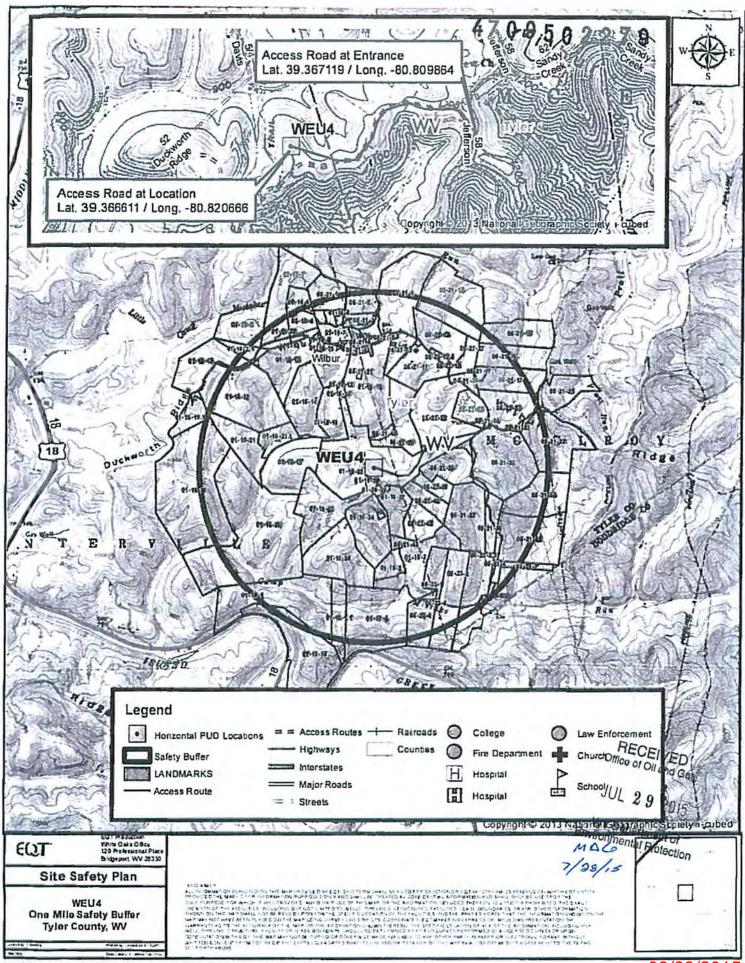
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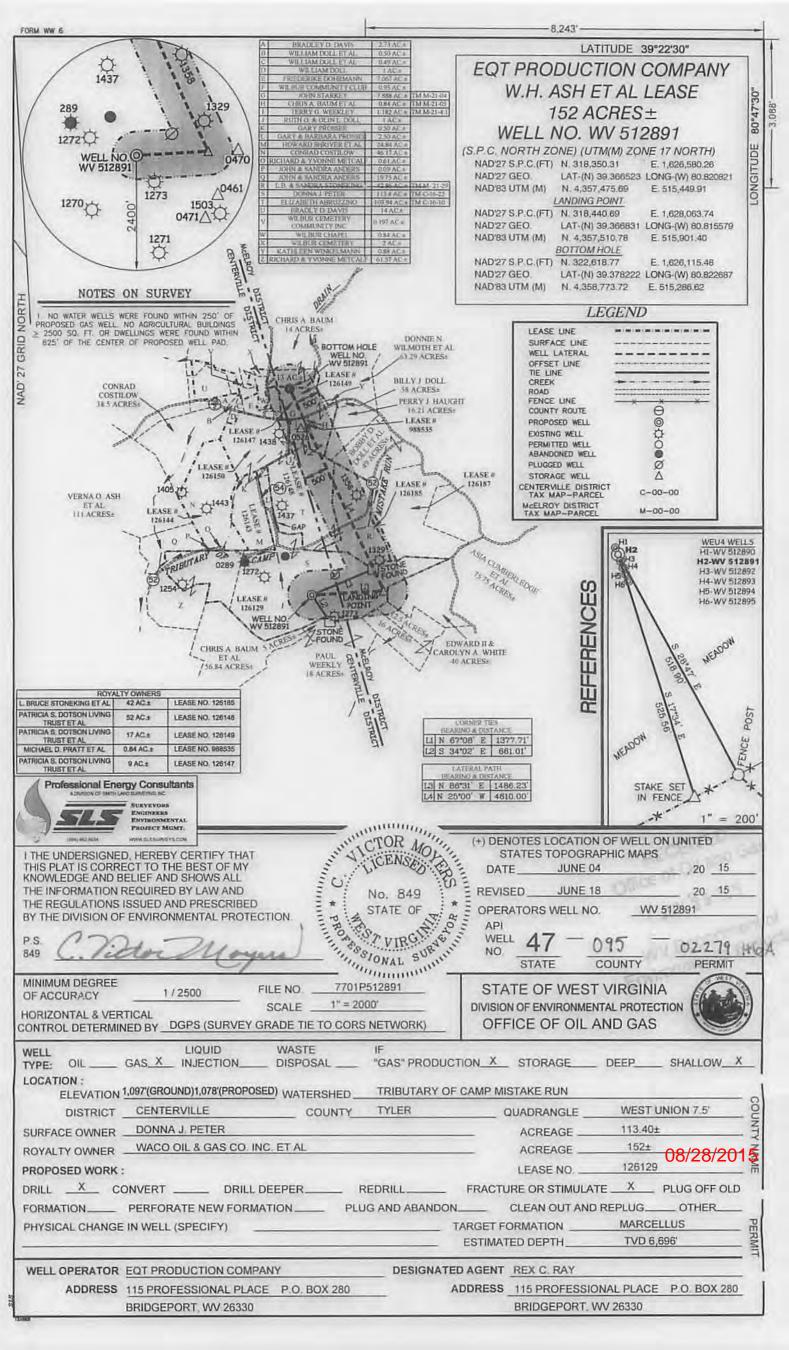
WV Department of Environmental Protection











WW-6A	
(5/13)	

Operator's Well No.

512891

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that arm the person who signed the Notice and Application for the Applicant, and that -

the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

or
0

k/Page	Royalty Boo	Grantee, Lessee, etc.	Grantor, Lessor, etc.	Number
	Min 1/8 pd			<u>126129</u>
	DB191/321	Equitable Gas Company	William A. Ash, et al	
	DB274/471	Equitrans,Inc.	Equitable Gas Company	
	DB396/640	Equitable Production Company	Equitrans, Inc.	
oddridae C	DB281/346 [EQT Production Company	Equitable Production Company	
•	Min I/8 pd			<u>128185</u>
	DB195/375	Equitable Gas Company	Addie Keys	
	DB274/471	Equitrans, Inc.	Equitable Gas Company	
	DB396/640	Equitable Production Company	Equitrans, Inc.	
oddridae C	DB281/346 [EQT Production Company	Equitable Production Company	
	Min 1/8 pd			
	DB191/503	EQT Production Company	B.W. Pierson, Widower, et al	<u>126148</u>
	DB274/471	Equitrans, Inc.	Equitable Gas Company	
	DB396/640	Equitable Production Company	Equitrans, Inc.	
oddridge C	DB281/346 D	EQT Production Company	Equitable Production Company	
•	Min 1/8 pd			
	DB388/365	EQT Production Company	Michael D. and Diana M. Pratt	988535
	Min 1/8 pd			
	DB191/506	Equitable Gas Company	B.W. Pierson, Widower, et al	126147
	DB274/471	Equitrans, Inc.	Equitable Gas Company	
	DB396/640	Equitable Production Company	Equitrans, Inc.	
oddridge Co	DB281/346 D	EQT Production Company	Equitable Production Company	
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	DB191/500	Equitable Gas Company	•	26149
	DB274/471	Equitrans, Inc.	· •	
	DB396/640	Equitable Production Company		
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	Min 1/8 pd DB191/500 DB274/471	Equitable Gas Company Equitrans, Inc. Equitable Production Company	B.W. Pierson, Widower, et al Equitable Gas Company Equitrans, Inc.	<u>26149</u>

Upon information and belief. Operator's lease and/or other real property rights permit it to including under any public roads that the well lateral crosses.

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and turther affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company

By:
Its: Permitting Supervisor

WW6-A Additional Coal Owners

Rosemary Brandon 3013 Delaware Avenue Kenner, LA 70065

Oletha G. Moore or Heirs and Assigns 2428 Dewey Ave Munhall PA 15120

Surface Owners(road or other disturbance):

James B. and Brenda J. Stoneking 2 Deerhaven Drive Wheeling WV 26241

Diane L. Morgan and Glenn W. Morgan 590 Isner Creek Road Elkins WV 26241

Richard and Yvonne Metcalf 128 Village Drive Bridgeport WV 26330

Surface Owners(Pits or impoundments):

Richard and Yvonne Metcalf 128 Village Drive Bridgeport WV 26330

Additional Water Purveyors

Bruce Stoneking R.D. 1 Box BB Elkins WV 26241

Frank and Elizabeth Abruzzino 91 Springhill Chapel Road Clarksburg, WV 26301

RECEIVED
Office of Oil and Gas

JUL 28 -

WV Department of Environmental Protection

304) 402 5634 · FAX 462 6656

WELL INFORMATION AND POTENTIAL WATER WELL SAMPLE DATA SHEET

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		COMMENT	<u> </u>		
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Site /	_ Spacii	ng	Owner	Occupa	ent. Paul W	cekhr (lije	•)	
Address	4500 Mee	dray cree	k Rd. Alma, W	F 26320		Ph		
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STATE OF WEST VIRGINIA 470 9 5 AND GAS 9 **NOTICE CERTIFICATION**

Date of Notice Certification:			API No. 47 0	95 - 0
			Operator's Well No.	
			Well Pad Name:	WEU4
lotice has b	een aiven:			
		Code § 22-6A, the Operator has pr	ovided the required parties wi	th the Notice Forms listed
	ract of land as follows:		The state of the characteristics	
state:	WV	UTM NAD 83 Easting		515,449.91
ounty:	Tyler	UTM NAD 83 Northing	g:	4,357,475.69
istrict:	Centerville	Public Road Access:		WV-18
luadrangle:	West Union 7.5'	Generally used farm r	name:	Donna J. Peter
/atershed:	Tributary of Camp Mistake	Run		
nformation red of giving the su equirements o	quired by subsections (b) and	scribed in subdivisions (1), (2) and (c), section sixteen of this article; (c) survey pursuant to subsection (a)	(ii) that the requirement was d), section ten of this article six	eemed satisfied as a result -a; or (iii) the notice
this article h	est Virginia Code § 22-6A, th	hall tender proof of and certify to the policant. Description of the proof to the	he secretary that the notice re	quirements of section ten
of this article hoursuant to What the Opera	est Virginia Code § 22-6A, th	hall tender proof of and certify to the pplicant.	he secretary that the notice re	
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Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person 8/2/8/2015 the return receipt card or other postal receipt for certified mailing.

WW-6AC (1/12)

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Certification	of	Maticalic	harahu	nivon.
Certification	O1	NULICE	Hereby	qiveii.

THEREFORE, I ________, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

 Well Operator:
 EQT Production Company
 Address:
 P.O. Box 280

 By:
 Victoria J. Roark
 Bridgeport, WV 26330

 Its:
 Permitting Supervisor
 Facsimile:
 304-848-0040

 Telephone:
 304-848-0076
 Email:
 vroark@eqt.com

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRIGINA
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Subscribed and sworn before me this

24 day

UN ,2011

Notary Public

My Commission Expires

4-7-20

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Office of Oil and Gas

JUN 2 5 7015

WV Department of
Environ08/28/2015

WV	V-6A	
19-1	3)	

API NO.	47	15	095	. W.L	0
OPERATOR WELL NO.					512891
Well Pad	Nam		WEU4		

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

Notice Time Requirement:	notice shall be provided no later than the fili	ing date of permit application,	
Date of Notice: JUN	2 4 2015 Date Permit Application	n Filed: JUN 2 4 2015	
Notice of:	70		
PERMIT FOR ANY	☐ CERTIFICATE OF APE	PROVAL FOR THE	4700
WELL WORK	CONSTRUCTION OF	AN IMPOUNDMENT OR PIT	7,09500
Delivery method pursuan	nt to West Virginia Code § 22-6A-10(b)		470950227
→ 1.5. × 5.3 × 6.4.			
PERSONAL		METHOD OF DELIVERY THAT I	
SERVICE	MAIL	RECEIPT OR SIGNATURE CONF	IRMATION
requires a receipt or si- plat to each of the foll the surface tract or tra- disturbance as describ- lessee, in the event the record of the surface to construction, enlargen water purveyor who is which is used to provi- work activity is to tak- in the lands, the applica- ticle one, chapter ele- unless the lien holder	ignature confirmation, copies of the a lowing persons: (1) The owners of rects overlying the oil and gas leaseholed in the erosion and sediment contrect tract of land on which the well proper tract or tracts overlying the oil and gament, alteration, repair, removal or above the applicant to have a warded water for consumption by humanie place. (c)(1) If more than three tena cant may serve the documents require even-a of this code. (2) Notwithstand is the landowner. W. Va. Code R. §	application, the erosion and sec- ecord of the surface of the tract- old being developed by the prop- rol plan submitted pursuant to s- posed to be drilled is located [s- as leasehold being developed by bandonment of any impoundmentater well, spring or water suppl- as or domestic animals; and (6) ants in common or other co-ow- red upon the person described in ding any provision of this articl 35-8-5.7.a requires, in part, tha	personal service or by registered mail or by any diment control plan required by section seven of on which the well is or is proposed to be located; bosed well work, if the surface tract is to be used subsection (c), section seven of this article; (3) sic] is known to be underlain by one or more coal by the proposed well work, if the surface tract is to ent or pit as described in section nine of this lay source located within one thousand five. The operator of any natural gas storage field oners of interests described in subsection (b) of an the records of the sheriff required to be let to the contrary, notice to a lien holder is not at the operator shall also provide the Well Site esting as provided in section 15 of this rule.
✓ Application Notice	WSSP Notice E&S Plan Not	otice Well Plat Notice is here	eby provided to:
_			27.00
✓ SURFACE OWN Name:	ER(s) Donna J Peter	COAL OWNER O	Nancy M. Ash or Heirs Assigns
Address:	733 Ridge Rd		101 Lake Village Road
	Wilbur WV 26320	0	Slidell LA 70461
		See attached for addition	L coal owners
Name:		COAL OPERATO	
Address:		Name:	
		Address:	
SURFACE OWN	ERS(s) (Road and/or Other Disturba	ande)	
Name:	Donna J Peter	rJ	
Address:	733 Ridge Rd		ER OF WATER WELL
	Wilbur WV 26320	AND/OR WATER PURV	Donna J Peter
Name:	L. Bruce and Sandra Jean Stoneking		733 Ridge Rd
Address:	R.D. I Box BB		Wilbur WV 26320
	Elkins WV 26241	Г	See Attached for additional water.
	additional surface (road/ disturbance))	-CEIVEL DOS
	ER(s) (Impoundments/Pits)		NY NATURAL GAS STORAGE FIELD ECEIVED Office of Oil and Gas
Name:	Donna J Peter	r Name:	Cuffice of Oli s
Address:	733 Ridge Rd Wilbur WV 26320		01115
	Wilbur W V 20320		JUN 2 5 2015
		*Please attach additional	forms if necessary
		- react amon and and	forms if necessary Q8/28/2015 note Environmental 5 note
			mental
			Environing

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for fitting written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and statement shall be additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir. or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied WED dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied well and the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restrictions regarding occupied well are the secretary that the well location restriction restrictions regarding occupied well are the secretary restriction restrictions restrictions restrictions restrictions restrictions restricti dwelling structures are inadequate or otherwise require alteration to address the items

Office of Oil and Gas

Office of Oil and Gas

08/28/2015

08/28/2015

Oil and Gas

WW-6A (8-13)

APLNO 47 -512890 OPERATOR WELL NO. Well Pad Name: WEU4

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landown identified in subsection (b) or Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface random value water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their value water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their value water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their value water purveyors identified in subdivision (5). provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary, (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-bycase basis: and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (c) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

RECEIVED
Office of Oil and Gas JUN 25 2015

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to resemble of NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. Environmental Protection

WW-6A (8-13) API NO. 47 - 095 - 0

OPERATOR WELL NO. 512890

Well Pad Name: WEU4

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments,

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective:
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.



Notice is hereby	given	by:
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Well Operator:	EQT Production Company	Address:	115 Professional Place P.O. Box 280
l'elephone;	304-848-0082		Bridgeport, WV 26330
Email:	Vroark@eqt.com	Facsimile:	304-848-0041

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA REBECCA L. HEATER

By: Victoria Roark

Its: Permitting Supervisor Subscribed and sworn before me this day of

My Commission Expires

Office of Oil and Gas

JUN 25 2015

WV Department of
Environno8/28/2015

WW6-A Additional Coal Owners

Rosemary Brandon 3013 Delaware Avenue Kenner, LA 70065

Oletha G. Moore or Heirs and Assigns 2428 Dewey Ave Munhall PA 15120

Surface Owners(road or other disturbance):

James B. and Brenda J. Stoneking 2 Deerhaven Drive Wheeling WV 26241

Diane L. Morgan and Glenn W. Morgan 590 Isner Creek Road Elkins WV 26241

Richard and Yvonne Metcalf 128 Village Drive Bridgeport WV 26330

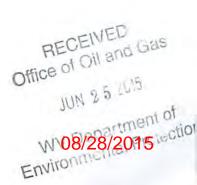
Surface Owners(Pits or impoundments):

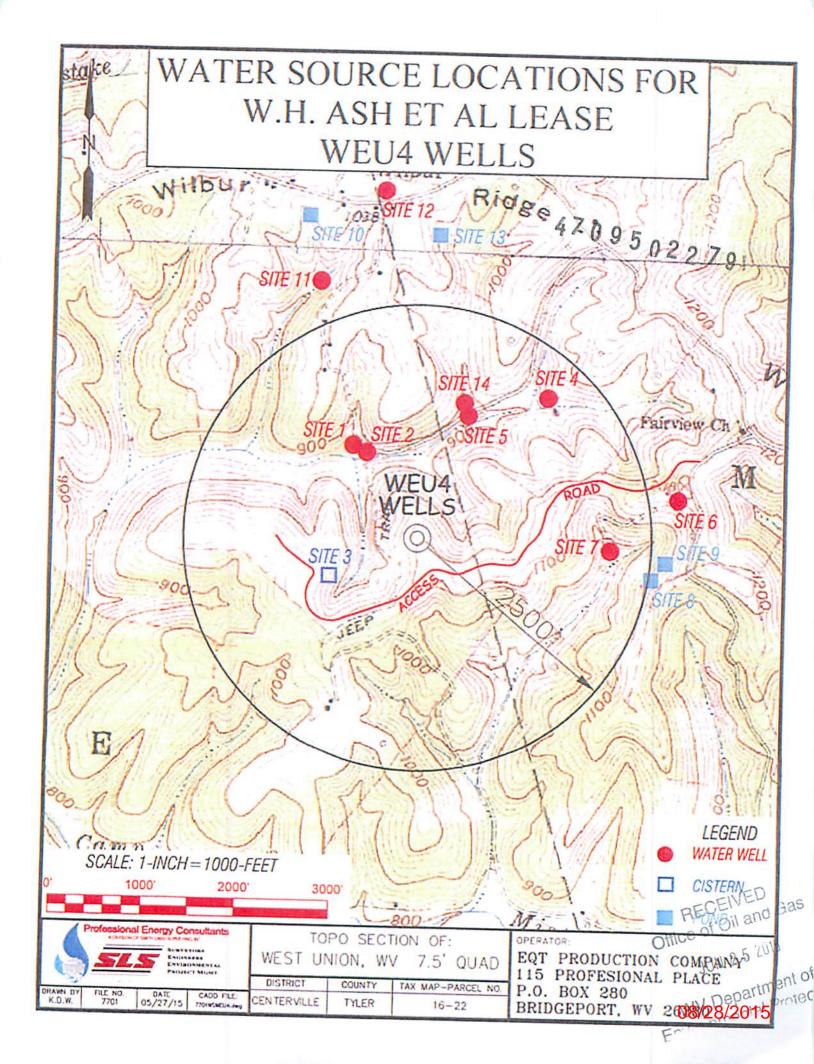
Richard and Yvonne Metcalf 128 Village Drive Bridgeport WV 26330

Additional Water Purveyors

Bruce Stoneking R.D. 1 Box BB Elkins WV 26241

Fred and Elizabeth Abruzzino RT1 Box 360 Clarksburg, WV 26301 \$70950227g





STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry. 3/26/2013 Date of Planned Entry: 4/2/2013 Date of Notice: 4709502279 Delivery method pursuant to West Virginia Code § 22-6A-10(a): PERSONAL SERVICE CERTIFIED MAIL METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION Pursuant to West Virginia Code § 22-6A-10(a), prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least sever days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(S) COAL OWNER OR LESSEE Coal Declaration pursuant to §22-6A-10 and §22-6-36 Name: Norman E & Donna J. Peter Not of Record HC74 Box 31 Address: Wilbur, WV 26320 Address: MINERAL OWNER(S) C. Phillip Fluharty, Donald G. Fluharty and Caroline Fluharty Genewick Name: PO Box 524 Address: Address: Santee, SC 29142 Name: Trio Petroleum and Waco Oil & Gas Name: PO Box 880 Glenville, WV 26351 Address: Address: *Please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: 39.36664 / -80.82072 County: Tyler Public Road Access: CR58 District: Centerville / Map16 / Parcel 22 Watershed: Middle Island Creek Quadrangle: West Union Generally Used Farm Name: Ash Copies of the state Erosion and Sediment Control Manual and the statues and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting RECEIVE www.dep.wv.gov/oil-and-gas/pages/default.aspx. 115 Professional Place, Bridgeport, WV 26330
Kathy Kugel Notice is hereby given by: Well Operator: EQT Production Company Address: EQT Representative: Kathy Kugel Telephone: 304-848-0099 Signature:

Signa Facsimile: 304-848-0040 Protection Email: EQTLandEntryNotice@egt.com Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such a name, address and telephone number, as part of regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@WV.gov8/28/28/2015

WW-6A5
(1/12)

Operator Well No	Opera	tor	W	ell	No
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512891

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

NOTICE OF PLANNED OPERATION

Pursuant to W. V return receipt re the planned ope required to be predilling of a horize	od pursuant to West Virginia Code § 22-6A-	ate Permit Ap 16(c) D VERY filing the perm whose land wi all include: (1) A cle to a surface compensation ag	it application, Il be used for t a copy of this c owner whose I greement cont	4709 an operator ship de drilling of a code section; (2 and will be use aining an offer	JUN 2 4 2015 5 0 2 2 7 9 all, by certified mail horizontal well notice of 1 the information and in conjunction with the 1 th	
Party and the same of the same of	equired by this section shall be given to the surfa					
	provided to the SURFACE OWNER(s) isted in the records of the sheriff at the time of no	V	ne:		L. Bruce and Sandra Jean Stoneking	1
Address:	733 Rid Wilbur WV		ress:		R.D. 1 Box BB Elkins WV 26241	V
State: County: District: Quadrangle:	Tyler - Centerville West Union 7.5'	Public Road / Generally us	North		515,449.910000 4,357,475.690000 WV-18 Donna J. Peter	
Watershed:	Tributary of Camp Mistake Run					
to be provided b horizontal well; a surface affected information rela	of Virginia Code § 22-6A-16(c), this notice shall income with Virginia Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the dama ted to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253	whose land will n agreement co ges are comper he Secretary, at	be used in con ntaining an off nsable under a the WV Depar	ijunction with er of compens ticle six-b of the tment of Envir	the drilling of a ation for damages to the his chapter. Additional onmental Protection	
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Well Operator:	EQT Production Company			sional Place, F	.O. Box 280	_
Well Operator: Telephone:	304-848-0082	Bridgepo	rt, WV 26330		.O. Box 280	
Well Operator: Telephone: Email:			rt, WV 26330		.O. BOX 280	=

WW-6A5
(1/12)

0	perator	Well	No
_	0010101		

512891

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

Notice Time Re Date of Notice:	equirement: notice shall be provided no late:	ate Permit Appl		JUN	2 4	20	15
Delivery metho	od pursuant to West Virginia Code § 22-6A-	16(c)					
The state of the s	FIED MAIL HANI RN RECEIPT REQUESTED DELI	D VERY					
return receipt rea the planned oper required to be pr drilling of a horiz damages to the s	Ta. Code § 22-6A-16(c), no later than the date for quested or hand delivery, give the surface owner ration. The notice required by this subsection sharovided by subsection (b), section ten of this articontal well; and (3) A proposed surface use and courface affected by oil and gas operations to the equired by this section shall be given to the surface	whose land will be all include: (1) A co cle to a surface ow compensation agre extent the damage	e used for the drilling opy of this code sectioner whose land will ement containing areas are compensable.	ng of a horizo ion; (2) The i be used in co offer of cor under article	ontal w nform onjunc npens six-b	vell no ation ction v ation f of this	vith the for chapter. 7
Notice is hereby	provided to the SURFACE OWNER(s)						
(at the address li	sted in the records of the sheriff at the time of no	otice):					
Name:	James B and Brenda J Stor	neking / Name		Diane L	Morga	an and	Glenn W Morg
						-	0010
Address:	2 Deerhaven	Drive / Addre	55:			5	90 Isner Creek
Notice is hereby	Wheeling WV	26241		r has develo	ped a		Elkins WV 262
Notice is hereby Pursuant to Wes operation on the State:	Wheeling WV	ven that the unde	rsigned well operato		ped a	planne	Elkins WV 262
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Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory ECEIVED duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of the country of the needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office of Oil and Gas appropriately secure your personal information. If you have any questions about our use or your personal information also be of the privacy of appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A5
(1/12)

Operator Well No.

512891

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Date of Notice:	quirement: notice shall be provided no late	ate Permit Appl	ication Filed:	JUN 2 4 2015
	- JON 2 1 2010			
Delivery metho	d pursuant to West Virginia Code § 22-6A-	16(c)		
	FIED MAIL HAN IN RECEIPT REQUESTED DELI	D VERY		
return receipt receipt receipt receipt receipt required to be produilling of a horizod damages to the so (d) The notices receipt recei	a. Code § 22-6A-16(c), no later than the date for quested or hand delivery, give the surface owner ation. The notice required by this subsection sha ovided by subsection (b), section ten of this articontal well; and (3) A proposed surface use and courface affected by oil and gas operations to the equired by this section shall be given to the surface provided to the SURFACE OWNER(s) sted in the records of the sheriff at the time of not Richard and Yvonne M	whose land will be all include: (1) A colle to a surface own ompensation agree extent the damage co owner at the acollectice): Name:	e used for the drilling opy of this code section ner whose land will the ement containing an es are compensable will ddress listed in the re	g of a horizontal well notice of on; (2) The information on used in conjunction with the offer of compensation for a grant of this chapter.
11111	Bridgeport WV	26330		
Pursuant to West operation on the	Bridgeport WV given: : Virginia Code § 22-6A-16(c), notice is hereby given: surface owner's land for the purpose of drilling a	ven that the under a horizontal well o	n the tract of land as	follows:
Pursuant to West operation on the State:	Bridgeport WV given: : Virginia Code § 22-6A-16(c), notice is hereby given; surface owner's land for the purpose of drilling; WV	ven that the under	n the tract of land as Easting:	follows: 515,449.910000
Pursuant to West operation on the State: County:	Bridgeport WV given: Virginia Code § 22-6A-16(c), notice is hereby given surface owner's land for the purpose of drilling a WV Tyler	ven that the under a horizontal well o UTM NAD 83	n the tract of land as Easting: Northing:	follows: 515,449.910000 4,357,475.690000
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INV Department of
WV Department of
En08/28/2015 The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory of Oil duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways 1900 Kanawha Boulevard East • Building Five • Room 110

Charleston, West Virginia 25305-0430 (304) 558-3505

Earl Ray Tomblin Governor

Paul A. Mattox, Jr., P. E. Secretary of Transportation/ Commissioner of Highways

June 23, 2015

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

4709502279

Subject: DOH Permit for the WEU 4 Well Pad, Tyler County

512891 WEU4H2 512890 WEU4HI 512892 WEU4H3 512893 WEU4H4 512894 WEU4H5 512895 WEU4H6 514052 WEU4H7 514053 WEU4H8 514054 WEU4H9

514055 WEU4H10

Dear Mr. Martin.

This well site will be accessed from DOH Permit #06-2015-0241 issued to EQT Production Company for access to the State Road for a well site located off of Tyler County Route 58 SLS.

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours.

Jany K. Claytons Gary K. Clayton P.E.

Regional Maintenance Engineer Central Office Oil & Gas Coordinator

Cc: Nick Bumgardner

EQT Production Company

CH, OM, D-6

File

RECEIVED Office of Oil and Gas JUN 25 2015

WV Department of Protection Environ8/28/2015

E.E.O.JAFFIRMATIVE ACTION EMPLOYER

Anticipated Frac Additives Chemical Names and CAS numbers

<u>Material</u>	<u>Ingredient</u>	CAS Number
Water Sand Friction Reducer Biocide Scale Inhibitor 15% Hydrochloric Acid Corrosion Inhibitor Corrosion Inhibitor Gelling Agent Oxidizing Breaker Buffering Agent	Hydrotreated light petroleum distillate Tributyl tetradecyl phosphonium chloride Ammonium chloride Hydrochloric Acid Propargyl Alcohol Methanol Guar Gum Sodium Persulfate Potassium Carbonate	14808-60-7 64742-47-8 81741-38-8 12125-0249 7647-01-0 107-19-7 67-56-1 9000-30-0 7775-27-1 584-08-7

RECEIVED
Office of Oil and Gas

JUN 25 2015

WV Department of Environmental Protection 08/28/2015

PROJECT INFORMATION

PROJECT NAME WELL

TAX PARCEL.

WCELROY AND CENTERVELLE DEFINICTS

TYLES COUNTY, WV

TAX NAP 15 PARCEL 22

SURFACE CONES DONNA I. FETTH TOTAL PROPERTY AREA: 113.4 ACRES TAX MAP 18 FARCEL E2

RICHARD & TYONNE WETCALF TOTAL PROPERTY AREA 61.571 ACRES TN 18-17

OIL AND GAS SCYALTY CHNER

YACO OIL & GAS CO. INC. ET AL

WEST UNION DISTRICT
DOGGESSEDE COUNTY, BY

TOTAL PROPERTY AREA: 150 & ACRES

SITE LOCATION
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THE STREAMY OF COUNTY ROUTE OF AND COUNTY ROUTE SA
THE STREAMY OF COUNTY ROUTE OF AND COUNTY ROUTE SA

LS. & SANDRA STONERING TOTAL PROPERTY AREA 69.442 ACRES TAX WAP 21 PARCEL BS

LOCATION COORDINATES

VEU4 DITE ENTRANCE LATITUDE 39.369289 LONGITUDE: -80.810071 (NAD 83 NORTH)

TEU4 HIG FOOTEFRINT LATITUDE: 39 366719 LCNGITUDE: -60 820708 (NAD 83 NORTH)

WEU4 PUMP PAD LATITUDE 39.565689 LONGITUDE -80.820869 (NAD 83 MONTH)

THUS PLOTERN PIT LATITUDE: 39 385318 LONGITUDE -80 821118 (NAD 83 SORTH)

WE'U4 TRUCK PAD LATITUDE 29364982 LONGITUDE -80.821587 (NAD 83 NORTH)

VEU4 COMPLETION PIT MANIFOLD PAD LATITUDE: 32.365400 LONGITUDE -50.824945 (NAD 83 NORTH)

WEU4 COMPLETION PIT LATTUDE 39 SESSE LONGITUDE -80 825818 (NAD 83 NORTH)

SITE DISTURBANCE COMPUTATIONS

ACCESS FOAD NO. 1 A NO. 2 - 6016 ACRES STOCKFILE STES 1 - 8 - 4.264 ACRES BCG FOOTFREST - 8.26 ACRES WANTOLD PAG & FLOTENCK FIT - 2312 ACRES CONVENTOR FIT - 3.332 ACRES TOTAL SITE DESTURBANCE - 18.164 ACRES

ENTRANCE PERMIT BOY PRODUCTION COMPANY WILL OUTLAN AN ENTRANCE PERMIT (FORM WHI-109) FROM THE WEST VIRIGINAL CEPARTMENT OF TRANSPORTATION UN'HIGH OF INCHWATS, PROOK TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

MISS UTILITY STATEMENT
NESS UTILITY OF NEW INCIDENT AS SOTIUM FOR THE LOCATING OF
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FLOODPLAIN NOTE
THE PROPUSED LIMITS OF DISTURBANCE FOR THIS PROJECT IS LOCATED IN
FINA FLOOD ZONE I, FER THE PLOOD DISTURBANCE RATE MAP (FURN) NUMBER
6409CC030CC, DATED MAY 3, 2010

ENVIRONMENTAL NOTES

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HORIZONTAL & VERTICAL CONTROL

COGNUNATES AND ELEVATIONS USED FOR ALL LAYOUTS AND DESIGNS WERE BASED UPON MAPPING FURNISHED BY SMITH LAND SURVEYING.

MISS Utility of West Virginia 1-800-245-4848 West Virginia State Law (Section XIV: Chapter 24-C)
Requires that you call two
business days before you dig in
the state of West Virginia. IT'S THE LAW!!

WEU4 SITE PLAN EQT PRODUCTION COMPANY

SITUATE ON THE WATERS OF CAMP MISTAKE RUN IN MCELROY AND CENTERVILLE DISTRICTS. TYLER COUNTY, WEST VIRGINIA





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LIST OF DRAWINGS

3 - OVERALL SHEET INDEX & VOLUMES

4 - EXISTING UTILITY PLAN

5-7 - ACCESS BOAD FLAN

9 - NOG PROTERINT DET

14 - TIPICAL SECTIONS

22 - ACCESS HOAD COORDINATE LAYOUT

25 - SPOIL STORAGE AREA PROFILE & SECTIONS

26 - 29 - WEU4 RECLAMATION PLANS



PROPERTY OWNER	DISTURBED AREA
L.B. & BANDRA STONEKING	0.42 AG
RICHARD & YVONNE METCALF	2.75 AC
DONNA J. PETER	20.08 AC.
TOTAL	22.75 AC.

ENGINEER

HAR ENGINEERS

SUITE 1 KETSER, WY BETOS PHONE: (304) 788-3370

OPERATOR

EQT PRODUCTION COMPANY OPERATOR ID: 300000 OPERATOR ID. SCHOOL
115 PROFESSIONAL FLACE
P.O. BOX 280
SHUDGEPORT, WY 28030
PRONE (304) 348-3870

1 - COVER SHEET

Z - NOTES

10-11 - FLOWBACK PIT NO. 1 SECTIONS

12-15 - PLOYPLCK PIT NO 2 SECTIONS

15 - ACCESS ROAD NO. 1 PROPILE

18-20 - ACCESS HOAD NO. 1 SECTIONS

ACCESS ROAD NO. 1 SECTIONS & ACCESS ROAD NO. 2 PROFILE & SECTIONS

23 - PA TOPSOIL STORAGE AREAS PROPILES & SECTIONS

50 - 33 - CONSTRUCTION DETAILS

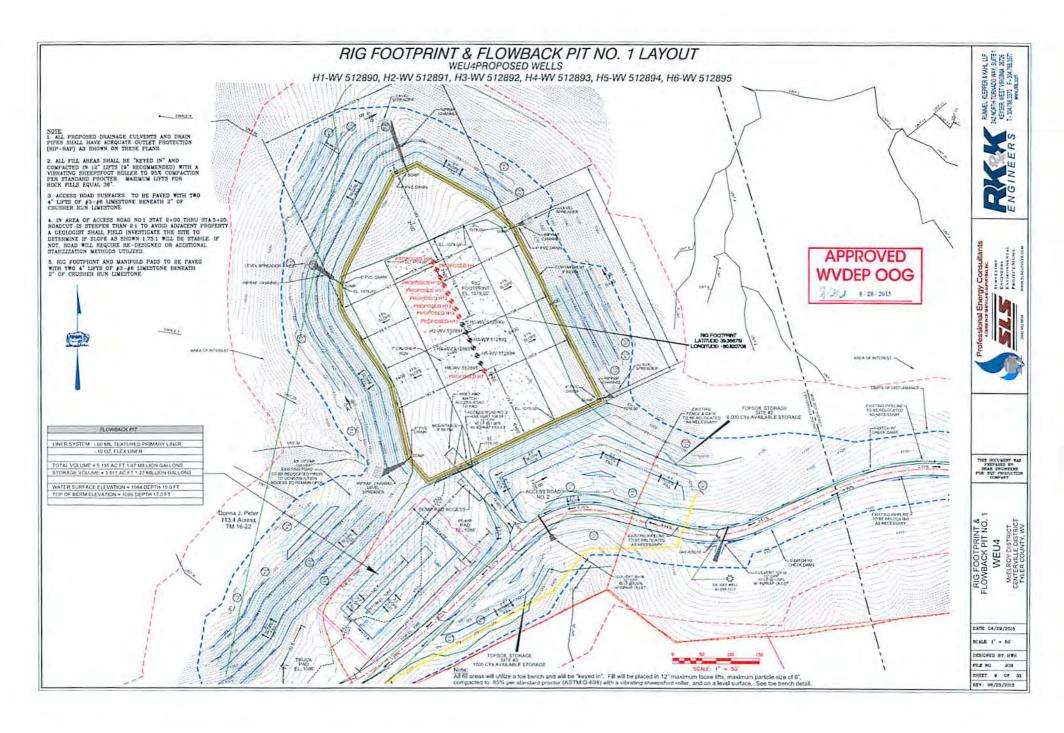
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COVER SHEET WEU4 MCELROY DISTRICT ENTERVILLE DISTRIC

DATE: 04/00/2015

FILE NO. 208 SHEET 1 OF 33 REV.: 08/25/2015

SURVEYOR SWITE LAND SURVETING, INC. IS VANHORN DRIVE P.O. BOX 150 GLENVILLE, WY 20051 PHONE: (364) 462-5634



PROJECT INFORMATION

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Requires that you call two
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WEU4 SITE PLAN EQT PRODUCTION COMPANY

SITUATE ON THE WATERS OF CAMP MISTAKE RUN IN MCELROY AND CENTERVILLE DISTRICTS, TYLER COUNTY, WEST VIRGINIA



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SURVEYOR

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COPEN OALD WV Department of Environmental Protection T CC

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