

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

January 14, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-5101784, issued to CHEVRON APPALACHIA, LLC, 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: CURRY 8H

Farm Name: CURRY, JAMES E.

API Well Number: 47-5101784

Permit Type: Horizontal 6A Well

Date Issued: 01/14/2015

API Number:

PERMIT CONDITIONS

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

CONDITIONS

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (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.

Horizontal 6A Well Permit App. Checklist:



				F	Approved	on
Received Date:10/6/2014		API:	5101784		1	1/25
Operator: CHEVRON APPALACHIA	, LLC	WELL:	CURRY 8H			100
Pad Name: CURRY	_		nment Period:	11/5/	114	
Pad Built: YesNo		Date Re	viewed: 12-1	4-14	INT. XX	
	KLIST FOR FIL Horizontal	6A Well				
Please include these required elemen	ts in the Horizontal W	ell 6A app	lications, in order	listed below.	Do not use stap	les.
	First Well	Subseq	uent Well			
10,150.0		5,150.00	X	Check#	00257	3591
Fees Paid		K Ci	welys me	no un	1	
Checklist / Cover letter	> 1/2 d A	moradi	re			
WW-6B Notice of Application	n > 1000 p	PORTE	Cotto Field	Approved		
Cement Additives	Sal	water	, , , , , , , , , , , , , , , , , , ,	2		
Well Bore Schematic (not re	quired) \rightarrow do	WARIT	match 6	9		
WW-9 Fluids/Cuttings Disp	osal and Reclamation	n Plan	Field	Approved		
Site Safety Plan	pit or clos	ndusi	Field	Approved		
Water Management Plan			DW	WM Approv	al	
Topographic map showing a						
Mylar Plat (Signed and seal	ed) (Surface Owner	matches W	/W-6A) Plat	Spotted		
WW-6A1 Lease Information	> D	hillo	ulz?	u	0	1
Road Crossing Letter (if drilli	ng under road)	6	nat lake	$D \rightarrow t$	Range R snowld Cheurs Cheurs Cheurs	2 Sauce
WW-PN Application Notice I	y Publication	(B)	John M.	iller.	Should	DE IP
Public Notice (dated copy of	advertisement or affid	avit of pub	lication)	- 13:SK	. Cheur	UDI
WW-6AC Notice Certificatio	ns and Waivers				Alound	n Apr
WW-6A Notice of Application	n notarized w/ any at	tachments)	mellio	CCV PF
Topographic Map with labele	d surrounding water v	vells (not r	equired)			
Certified Mail receipts for W	W-6A					
WW-6A3 Notice of Entry for	r Plat Survey (if one v	vas conduc	ted)			

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Horizontal 6A Well Permit App. Checklist:

API:	5101784
);

Certified Mail receipts for WW-6A3
WW-6A4 Notice of Intent to Drill (if no WW-6A3)
Certified Mail receipts for WW-6A4
WW-6A5 Notice of Planned Operation
Certified Mail receipts for WW-6A5
WW-6RW Well Location Restriction Waiver (if applicable)
WW-6RW Voluntary Statement of No Objection (if applicable)
Waiver for Surface Owner at Wellhead
Waiver for Surface Owner for Roads or other Disturbances
Waiver for Coal Owner, Operator or Lessee
Waiver for surface owner for Impoundment or Pit
Waiver for Surface Owner or Water Purveyor within 1500 feet of Center of Pad
Waiver for Natural gas Storage Field Operator
DOH Road Bonding Letter
Frac Additives List of Chemical Names & CAS#s
Site Construction, Reclamation, Erosion & Sediment Control Plans DEP Engineer Approved
MSDS Sheets
Reviewer outside checks:
Comments - Public, Surface Owner, Water Well Purveryor
Bond (\$250,000)
Operator is registered with the SOS
Workers Compensation / Unemployment Insurance account is OK
Professional Engineer/Company has COA
Check for mine data at proposed coordinates
Check for floodplain data at proposed coordinates

5101784

IMP-1A Associated Pit or Impoundment (if applicable) WW-6A7 Well Restrictions Form w/ Signature At Least 100 Feet from Pad and LOD (including any ES Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland DEP Waiver and Permit Conditions At Least 300 Feet from Pad and LOD (including any ES Control Feature) to any Naturally Producing Trout Stream DEP Waiver and Permit Conditions At Least 1000 Feet from Pad and LOD (including any ES Control Feature) to any Groundwater Intake or Public Water Supply DEP Waiver and Permit Conditions At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled Surface Owner Waiver and Recorded with County Clerk, OR **DEP Variance and Permit Conditions** At Least 625 Feet from an Occupied Dwelling Structure to the Center of the Pad Surface Owner Waiver and Recorded with County Clerk, OR **DEP Variance and Permit Conditions** At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

API:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

Chayron And	nalachia IIC	49449935	Marshall	Washington	Moundsville, WV 7.5'
) Well Operator: Chevron Ap	Jaiaoilla, LLO	Operator ID	County	District	Quadrangle
2) Operator's Well Number: 8H		Well Pad	Name: Curry		
3) Farm Name/Surface Owner:	Curry	Public Roa	d Access: Way	yman's Ridg	e Rd/County Rt 38
4) Elevation, current ground: 1	317' El	levation, proposed	post-constructi	on: 1317'	
5) Well Type (a) Gas	Oil	Unde	erground Stora	ge	
Other	1	Doop	Total Control		
(b)If Gas Shal		Deep		•	De 8(19/14
6) Existing Pad: Yes or No Yes			_		
7) Proposed Target Formation(s) Point Pleasant, 11381, Thickness	, Depth(s), Antic		and Associated	Pressure(s)	:
8) Proposed Total Vertical Depti	751				
9) Formation at Total Vertical D		ısant			
10) Proposed Total Measured Do	epth: 17,900°				
11) Proposed Horizontal Leg Le	ngth: 6,002'				
12) Approximate Fresh Water S	trata Depths:	573' GL			
13) Method to Determine Fresh	Water Depths:	Local stream base/C	Curry 1H Pilot/offs	set operators	
14) Approximate Saltwater Dep					
15) Approximate Coal Seam De	pths: _825' GL				
16) Approximate Depth to Possi	ble Void (coal m	nine, karst, other):	825' GL		
17) Does Proposed well location directly overlying or adjacent to			N	o 🗸	
(a) If Yes, provide Mine Info:	Name: Alex	kander Mine (abando	oned)		
(4) 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Depth: 825'	'-833' GL			
Deschind	====	sburgh No. 8 Coal Se	eam		
Received Office of Oil & Gas	Owner: Res	erve Coal Properties	s Company		
JAN 06 2015					

WW-6B (9/13)

18)

CASING AND TUBING PROGRAM

TYPE	Size	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor	30"	New			40'	40'	CTS
Fresh Water	24"	New	X-56	186#	673'	673'	CTS
Coal	18-5/8"	New	J-55	87.5#	925'	925'	CTS
Intermediate	13-3/8"	New	N-80	72#	2,292'	2,292'	CTS
Intermediate.	29-5/8"	New	P-110/L-80	40/47#	8,852'	8,852'	CTS
Production	5.5"	New	P-110	23#	17,868'	17,868'	CTS
Liners							

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TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	36"				
Fresh Water	24"	26"	0.75"	1,914 psi	Class A	1.21
Coal	18-5/8"	21"	0.435"	2,250 psi	Class A	1.04
Intermediate	13-3/8"	17-1/2"	0.514"	5,380 psi	Class A	1.29
ntermediate2	9-5/8"	12-1/4"	0.395/0.472	7,880/6,870 psi	Class G	1.27/1.45
Production	5.5"	8.5"	0.415"	16,510 psi	Class G	1.28/1.65
Liners						

PACKERS

Kind:		
Sizes:		
Depths Set:		

Office of Oil & Gas JAN 06 2015

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:
Drill 26" hole to 673' then run and cement 24" casing to surface covering the fresh water. Drill 21" hole to 925' then run and cement 18-5/8" casing to surface covering coal. Drill 17.5" hole to 2,292' then run and cement to surface 13-3/8" casing. Drill 12.25" hole to 8,852' and run and cement 9-5/8" casing to surface. Drill 8.5" hole to KOP. Drill 8.5" curve and lateral to 17,868' MD and 11,450' TVD. Run 5 1/2" production casing and cement back to surface.
20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:
Chevron will utilize plug and perf method with 40 stages using 8,572 bbl of fluid and 315,000 lbm of sand per stage
21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 12.5 Acres
22) Area to be disturbed for well pad only, less access road (acres): 3.6 Acres
23) Describe centralizer placement for each casing string:
There will be a bow spring centralizer every jt on the Water string. There will be a bow spring centralizer every 2 joints for the Coal and Intermediate String. The production string will have a centralizer every jt in the lateral and curve, then one every two jts from KOP to surface.
24) Describe all cement additives associated with each cement type:
The Water String blend will contain class A cement, 3% CaCl2, and flake. The Coal String will be class A cement with 1% CaCl2, and flake. The intermediate will contain class A cement, 2% CaCl2, Salt, and flake. The Production cement will have a lead and tail cement. The lead will contain class A cement, KCl, dispersant, suspension agent, and retarder. The tail will contain class A cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer.
25) Proposed borehole conditioning procedures:
We will be circulated a minimum of 2 bottoms up once casing point has been reached on all hole sections and until uniform mud properties are achieved.
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*Note: Attach additional sheets as needed.

WW-6B Attachment Curry Unit 2H, 3H, 4H, 5H, 6H, 7H, 8H, 9H, 10H, 11H

Scenario-1: Marcellus well drilled first as Pilot well:

- a. If a void is encountered, we will drill ahead to min 30' or max 50' below mine void and stop drilling.
 - Notify DEP Inspector and obtain permit/ approval to plug back hole. The plugback procedure will be as follows:
 - o Trip in hole with 2-7/8" tubing cement stinger to 20' above top of void.
 - o Mix and pump cement to fill rat hole below void. Trip out of hole and lay down tubing
 - o Trip in hole with Open Hole Packer and set at 20' above top of void. Test packer.
 - o Trip out of hole and lay down packer running tool
 - o TIH w/ 2-7/8" tubing to 5'+/- from top of packer
 - o Mix and pump 15.6pgg cement on top of packer and fill hole to within 10' from surface.
 - o Trip out of hole and lay down tubing.
 - o Nipple down BOPE and related equipment
 - o Cut casing, lay wellhead and casing cut piece
 - o Weld on steel plate to cover casing
 - Rig down and skid rig to next well. Note: Cellar ring removal, cellar filling and installation of land mark will be done later

The rest wells original plan will be revised to incorporate a coal casing string as follows:

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b. Marcellus Wells Contingency Casing Plan:

Drill 26" hole to 700' (min 50' or max 150' beyond freshwater zone)

Office of Oil & Gas

JAN **06** 2015

- Run 20" 94.5# J-55 BTC casing
- Cement casing to surface using displacement method with 30% excess
- Drill 17-1/2" hole to 925' (min 30'or max 50 beyond mine void)
- Run 13-3/8" 54.5# J-55 BTC casing with cement basket 20' above mine void
- Cement casing using displacement method to bottom of mine void using 100% excess
- Grout from surface to cement basket using whatever volume of cement necessary to get cement to surface
- Drill 12-1/4" hole to 2,292' 100' below the Berea Sand
- Run 9-5/8" 40# N-80 BTC casing to isolate the Berea, shallow gas sand and salt water zones
- Cement casing to surface using displacement method with 30% excess
- Drill 8-1/2" production hole to TD
- Run 5 ½" 20# P-110 VA Superior production casing to TD
- Cement casing to surface using displacement method with 10% excess
- c. <u>Utica/ Point Pleasant well Contingency Casing Plan</u>: In a situation where there is also Utica/ Point Pleasant well(s) to be drilled on same pad, the Point Pleasant/Utica well contingency casing design based on the outcome of the Marcellus pilot well drilled will be as follows:
 - Drill 26" hole to 673' (min 50' or max 150' beyond freshwater zone)
 - Run 24" 186# X-56 DDS casing
 - Cement casing to surface using displacement method with 30% excess
 - Drill 21" hole to 925' (min 30'or max 50 beyond mine void)
 - Run 18-5/8" 87.5# J-55 BTC casing with cement basket 20' above mine void
 - Cement casing using displacement method to bottom of mine void using 100% excess
 - Grout from surface to cement basket using whatever volume of cement necessary to get cement to surface
 - Drill 17-1/2" hole to 2,292' 100' below the Berea Sand
 - Run 13-3/8" 72# N-80 BTC casing to isolate the Berea, shallow gas sand and salt water zones
 - Cement casing to surface using displacement method with 30% excess
 - Drill 12-1/4" hole to 8,852' 100' below the Lockport

Scenario-2: Drilling String/ Bottom Hole Assembly Stuck during drilling:

- If the drill string/BHA gets stuck during drilling operation:
 - o Make all necessary effort and attempt to free the drill string/BHA.
 - If all effort and attempts proves unsuccessful, will notify WV DEP Inspector of situation and obtain verbal and/or email approval to plug hole back with cement plug(s) and sidetrack well
 - Cement plug(s) will be set as needed to the desired depth adequate for successful sidetrack of well without compromising anti-collision with the original hole and ghost well(s)/adjacent wells on the same pad
 - o Cement plug(s) additives will contain Class H cement, KCl, Dispersant, Anti-Foam, and Retarder.
 - o Trip in hole with Drilling Bottom Hole Assembly
 - o Dress/drill cement to proposed kick off point
 - Kick off and sidetrack well and directionally drill sidetrack well to original casing point

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JAN 06 2015

CEMENT ADDITIVES

The Water String blend will contain class A cement, 3% CaCl2, and flake.

The Coal String will be class A cement with 1% CaCl2, and flake.

The intermediate will contain class A cement, 2% CaCl2, Salt, and flake.

The Production cement will have a lead and tail cement.

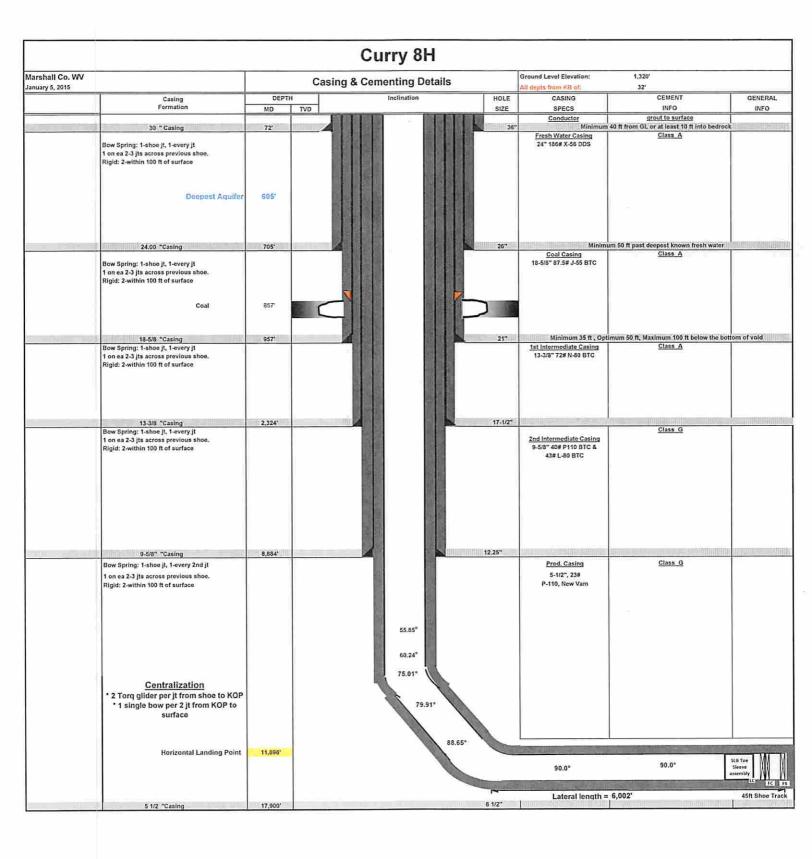
The lead will contain class A cement, KCI, dispersant, suspension agent, and retarder.

The tail will contain class A cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer.

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WW-9 (9/13)

API Number 47 -	-	
Operator's Wel	1 No. 8H	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Chevron Appalachia, LLC OP Code 49449935
Watershed (HUC 10) Middle Grave Creek - Grave Creek Quadrangle Moundsville, WV 7.5'
Elevation 1317' County Marshall District Washington
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No Will a pit be used? Yes No
If so, please describe anticipated pit waste: Will a synthetic liner be used in the pit? Yes No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:
Land Application Underground Injection (UIC Permit Number Reuse (at API Number Off Site Disposal (Supply form WW-9 for disposal location)
Will closed loop system be used? If so, describe fluid. The arill cuttings are then prepared for transfortation of the characteristic of the characteristi
-If oil based, what type? Synthetic, petroleum, etc.Synthetic
Additives to be used in drilling medium? Fluid loss control, emulsifier, and shale stabilizer Received
Drill cuttings disposal method? Leave in pit landfill removed offsite, etc. Removed offsite
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number? Arden Landfill - Permit # - PA DEP 100172
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. 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 thereto 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 or imprisonment. Company Official Signature
Company Official (Typed Name) Anna Shumaker
Company Official Title Permitting Coordinator
Δ
Subscribed and sworn before me this day of August . 20 14 COMMONWEALTH OF PENNSYLVANIA
My commission expires 9/34/3017 Thams Dayingy Notary Public THOMAS BASINGER Notary Public THOMAS BASINGER Notary Public CONNELLSVILLE CO19476/2015 My Commission Expires Sep 24, 2017

4705101784

Form WW-9 Operator's Well No. 8H Chevron Appalachia, LLC Prevegetation pH 6.5-7.0 Proposed Revegetation Treatment: Acres Disturbed 19.5 $_{Lime}$ 2,000 lb/ac $_{Tons/acre\ or\ to\ correct\ to\ pH}$ 10-20-20 Fertilizer type Fertilizer amount 1,000 lbs/acre Mulch 2 Tons/acre Seed Mixtures Permanent Temporary Seed Type lbs/acre Seed Type lbs/acre Annual Ryegrass Mixture 10 lb per acre (3/1-5/15) and (8/16-4/30) Kentucky 31 Frescue - 20 lb/ac Annual Rye Grass Red Fescue (PENN LAWN) 20 lb/ac and 41 lb/ac Barley or Oats (local seeds) 50 lb per acre (3/1-5/15) Millet (Hungarian, German, or Japanese) 50 lb per acre (5/16-8/15) Crownvetch 20 lb/ac Hard Fescue Mixture 63 lb/ac Hard Fescue Mixture 63 lb/ac Annual Ryegrass (8/1-5/15) 7lb/ac (cut & fill slopes) Cereal Rye or Cereal Wheat - 50 lb per acre (8/16-4/30) Annual Ryegrass (8/1-5/15)12 lb/ac (all other areas) Weeping Lovegrass (5/15-8/1) 5lb/ac Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided) Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Title: 0.1 4 Gas Jusqueter Date: 8/19/15/hvironmenta rotect Field Reviewed?

CHEVRON APPALACHIA, LLC



West Virginia Well Site Safety Plan

Curry Site Well 8H Marshall County, West Virginia

Prepared in Conformance with:

West Virginia's Code §22-6A and Legislative Rule §35-8-5.7 and

West Virginia Department of Environmental Protection's, Office of Oil and Gas documents: "Well Site Safety Plan Standards" (issued August 25, 2011), and "Deep Well Drilling Procedures and Site Safety Plan Requirements" (issued October 22, 2012)

yu 8/19/14

Revision 1

Original: September 2012

Revised: June 2013

Revised: May 2014

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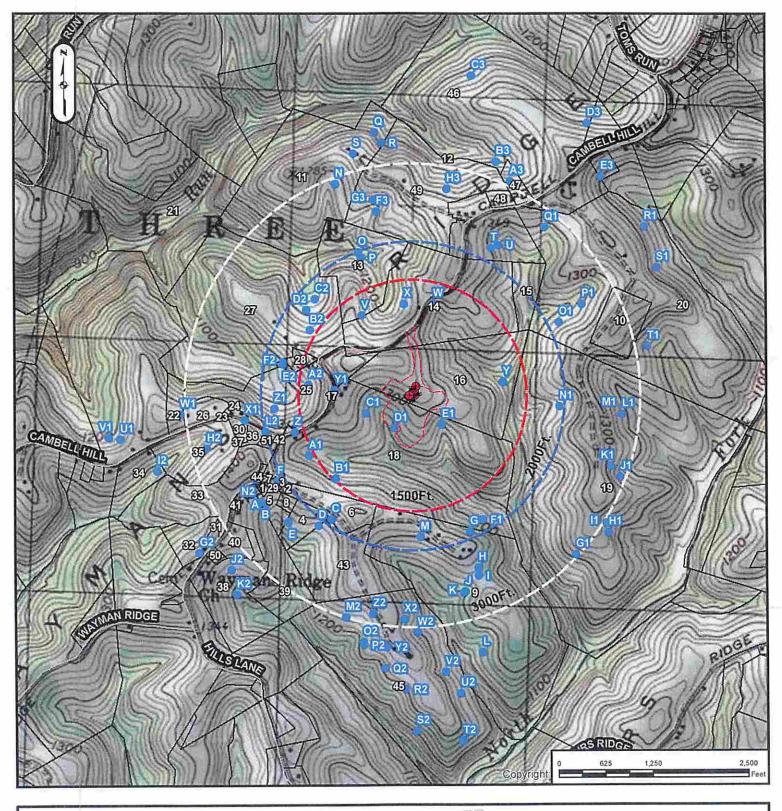
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WV Ferriment of Environmenta Protection

Date: 7/21/2014

4705101784 WATER SUPPLY EXHIBIT CURRY





SURFACE OWNER: JAMES E. CURRY

OIL/GAS OWNER: JAMES E. CURRY

WELL OPERATOR: CHEVRON APPALACHIA, LLC 001 0 SURVEYOR: BLUE MOUNTAIN INC.

ADDRESS: 800 MOUNTAIN VIEW DRIVE

SMITHFIELD, PA 15478

PHONE: 724-564-3700

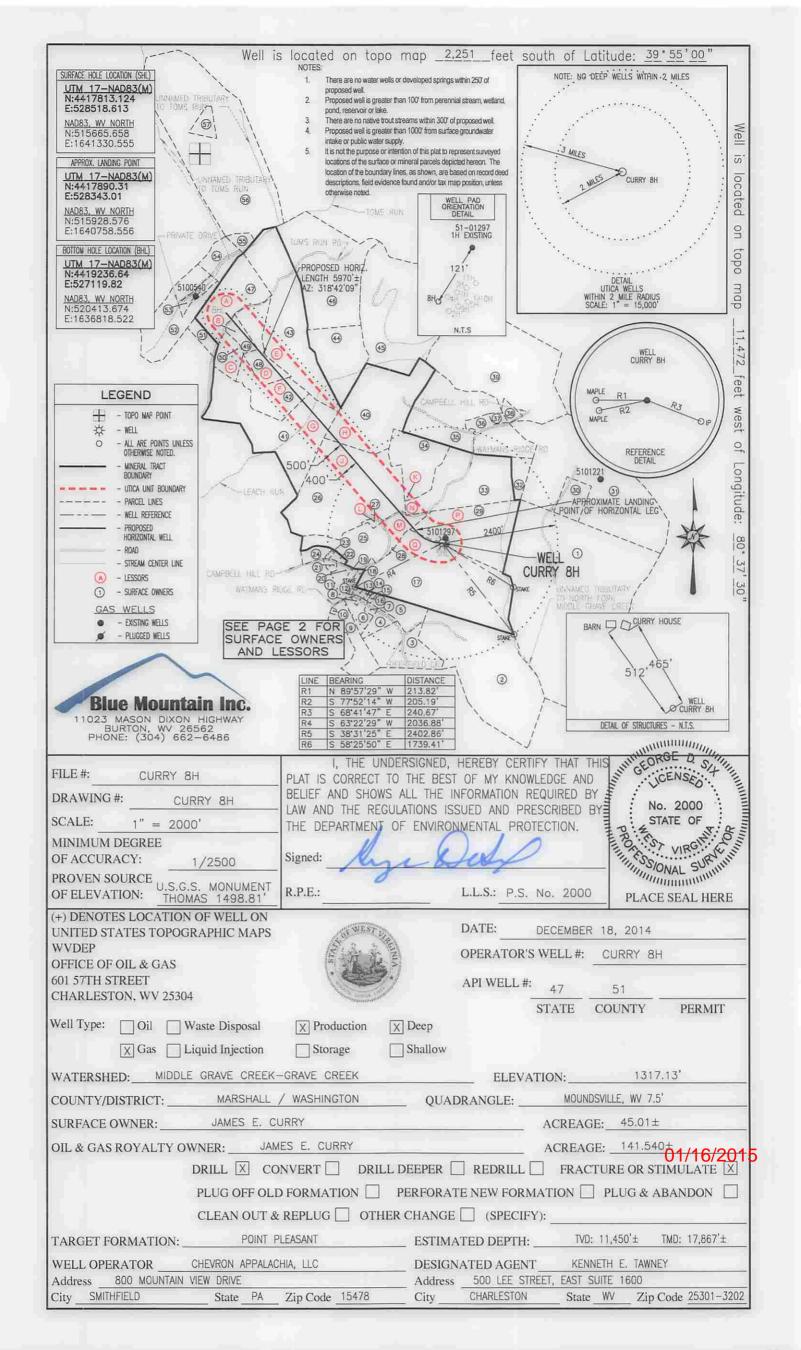
RECEIVECOUNTY: MARSHALL

Office of Oil and Gas DISTRICT: WASHINGTON

WV DeparADDRESS: 11023 MASON DIXON HIGHWAY

Environmental Protectio Burton, wv 26562 01/16/2015

PHONE: 304-662-6486



UNIT CONSOLIDATION MAP **CURRY 8H UNIT**

PAGE 2 OF 2

SURFACE HOLE LOCATION (SHL) UTM 17-NAD83(M) N:4417813.124 E:528518.613

NAD83, WV NORTH N:515665.658 E:1641330.555

APPROX. LANDING POINT UTM 17-NAD83(M) N:4417890.31 E:528343.01

N:515928.576 E:1640758.556

BOTTOM HOLE LOCATION (BHL) UTM 17-NAD83(M) N:4419236.64 E:527119.82

NAD83, WV NORTH N:520413.674 E:1636818.522



	SURFACE OWNER	DIST-TM/PAR
1	JOHN J. HART ET UX	14-10/18
2	RAYMOND EUGENE FRANKLIN ET UX	14-11/9
3	DAVID LAWRENCE WILSON ET UX	14-11/8
4	DEBRA J. & RICHARD L. WAYT JR.	14-11/8.5
5	DAVID E. FRANKLIN	14-11/8.7
6	PATRICIA SUE HOSKINS	14-11/8.6
7	GREGORY SCOTT MCDONALD ET UX	14-11/8.9
8	MARY V. JAKO ET AL	14-11/8.2
9	JASON W. & AMANDA K. JOHNSON	14-11/6.5
10	RONALD R. & NITA L. ADKINS	14-11/6.9
11	ILA F. MOORE ET AL	14-11/6
12	ROBERT H. BOWMAN JR.	14-11/8.1
13	JOHN J. & BELINDA R. BAKER	14-11/8.8
	RICHARD W. HYETT ET UX	14-11/17
	RICHARD W. HYETT ET UX	14-11/8.4
	RICHARD W. HYETT ET UX	14-11/8.3
17	JOSEPH MICHAEL CROW ET UX	14-10/17
	DAVID E. HILL ET UX	14-11/7
	DAVID E. HILL ET UX	14-11/6.10
	DENNIS C. FISHER ET UX	14-11/6.4
	DENNIS CLYDE FISHER	14-11/18
	VALLIE JAMES WEST	14-10/8.1
23	VALLIE JAMES WEST	14-10/8
	RICHARD E. HITT	14-10/8.3
25	DAVID L. BLAKE	14-10/8.2
	MICHAEL T. DAVIS	14-10/8.2
27	FREDA ELIZABETH BLAKE	14-10/9.1
28	JOSEPH MICHAEL CROW	14-10/16
29	JAMES E. CURRY	14-10/15
30	JOHN J. & RENEE A. HART	14-10/19
31	JOHN J. & RENEE A. HART	14-10/19.1
32	JOHN J. HART ET UX	14-10/14
33	JAMES E. CURRY	14-10/13
	DENNIS BLAKE ET UX	14-10/12
	DENNIS & MICHELLE S. BLAKE	14-10/12
36	JOHN J. II & JENNA E. HART	14-10/11
37	JAMES E. BLAKE	14-10/11.1
38	JOHN J. HART ET UX	14-6/36
39	CARL W. & BRIDGETT L. YOHO	14-6/35
40	DENNIS BLAKE ET UX	14-10/10
41	JOHN W. & MARY ALICE MILLER	14-10/10
42	JOHN W. & MARY ALICE MILLER	14-10/4.7
43	JOHN W. & MARY ALICE MILLER	14-10/4.7
	MARY LOU RUBINI	14-6/41.1
45	JEFFREY L. & JANET L. ALLEN	14-6/37
	JOHN W. & MARY ALICE MILLER	14-6/41
	BRUCE M. STRAIGHT	14-10/4.3
	JOHN W. & MARY ALICE MILLER	14-10/4.8
	JOSEPH D. STRAIGHT	14-10/4
49		
50	AARON ALLEN STRAIGHT	14-10/4.5
51	RANDALL E. & CHARLOTTE REXROAD	14-10/4.4
52	JOHN W. & MARY ALICE MILLER	14-9/24
53	DANNIE J. RUZA SR.	14-9/24.1
54	DANNIE J. RUZA SR.	14-10/1
55	DANNIE J. RUZA SR.	14-10/2
56	WILLIAM H. III & LINDA BARDALL	14-7/42
57	WHEELING POWER CO.	14-7/42.1

	LESSOR	DIST-TM/PAR	AC. IN UNIT	
A	L. DEXTER & SANDRA L. COFFIELD	14-10/4.3	9.259	
	SHERI L. EVRAETS, TRUSTEE OF THE		100 A	
	SHERI L. EVRAETS FAMILY TRUST			
В	L. DEXTER & SANDRA L. COFFIELD	14-10/4	6.391	
	SHERI L. EVRAETS, TRUSTEE OF THE			
	SHERI L. EVRAETS FAMILY TRUST			
C	L. DEXTER & SANDRA L. COFFIELD	14-10/4.5	2.202	
	SHERI L. EVRAETS, TRUSTEE OF THE			
	SHERI L. EVRAETS FAMILY TRUST			
D	JOHN W. & MARY ALICE MILLER	14-10/4.8	14.227	
	SHERI L. EVRAETS, TRUSTEE OF THE			
	SHERI L. EVRAETS FAMILY TRUST			
Ę	JOHN W. & MARY ALICE MILLER	14-10/3	14.830	
F	JOHN W. & MARY ALICE MILLER	14-10/4.7	8.912	
	SHERI L. EVRAETS, TRUSTEE OF THE			
	SHERI L. EVRAETS FAMILY TRUST			
G	JOHN W. & MARY ALICE MILLER 14-10/4.		13.127	
	SHERI L. EVRAETS, TRUSTEE OF THE			
	SHERI L. EVRAETS FAMILY TRUST			
Н	DENNIS & MICHELLE S. BLAKE	14-10/10	7.823	
J	MICHAEL T. & PENNY J. DAVIS	14-10/9	35.647	
K	DENNIS & MICHELLE S. BLAKE	14-10/12	0.558	
Ц	CURTIS & FREDA BLAKE	14-10/9.1	0.659	
M.	DAVID L. BLAKE	14-10/8.2	6.302	
N	JAMES E. CURRY	14-10/13	2.414	
P	JAMES E. CURRY	14-10/15	9,144	
Q	JOSEPH M. & TAMARA L. CROW	14-10/17	10.045	
	TOTAL	UNIT ACREAGE	141.540	

LEGEND - - UNIT BOUNDARY 01/16/2015

NOTE:

It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted. The location of the unit boundary lines, as shown, are based on a pdf file/image referenced into the drawing, unless otherwise noted.

DECEMBER 18, 2014

2000' 4000'

0'

6000"