



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

April 30, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5900152, issued to CHESAPEAKE APPALACHIA, L.L.C., 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: 806287 (17-6287)
Farm Name: FIRST CENTURY BANK, INC.
API Well Number: 47-5900152
Permit Type: Plugging
Date Issued: 04/30/2014

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6-11 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. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

806287 P&A PROCEDURE

Elev. 1323.

- 1) Prepare road and location, MIRU Service Rig
- 2) Attempt to pull 3 1/2" and packer
 - A) If successful:
 - a) RIH with tools to check TD at approximately 2830'
 - b) Run W.S. to 2820', load hole with gel, pull W.S. to 2550'
 - c) Spot 100' cement plug 2550'-2450', pull W.S. to 1900'
 - d) Spot 125' cement plug 1900'-1775', pull W.S.
 - e) Proceed to step #3
 - B) If unsuccessful:
 - a) RIH with tools to check TD at approximately 2820'
 - b) Rip holes at approximately 2775' and 2740'
 - c) Run W.S. to 2775', load hole with gel
 - d) Spot 100' cement plug 2775'-2675', pull W.S.
 - e) Attempt to cut 3 1/2" below packer at approximately 2000' and pull (If unable to pull 3 1/2" packer then rip holes at approximately 1975' & 1940', spot 125' cement plug 2000'-1875', cut 3 1/2" at 1830', spot 100' cement plug 1830'-1730', proceed to step #3)
 - f) Run W.S. to 2000', load hole with gel
 - g) Spot 225' cement plug 2000'-1775', pull W.S.
 - h) Proceed to step #3
- 3) RIH with tools to check TOC. (If top of plug is not above 1825' then re-set plug)
- 4) Rip holes in 6 5/8" at approximately 1435', 1400', 1225' and 1190'
- 5) Run W.S. to 1450', load hole with gel
- 6) Spot 100' cement plug 1450'-1350', pull W.S. to 1225'
- 7) Spot 100' cement plug 1225'-1125', pull W.S.
- 8) Cut 6 5/8" at free-point (approximately 1010') and pull
- 9) Run W.S. to 1010', load hole with gel
- 10) Spot 100' cement plug 1010'-910', pull W.S.
- 11) Attempt to pull 10" casing
 - A) If successful:
 - a) Run W.S. to 610', load hole with gel, pull W.S. to 525'
 - b) Spot 100' cement plug 525'-425'
 - c) Proceed to step #12
 - B) If unsuccessful:
 - a) Rip holes to 10" at approximately 500' and 465'
 - b) Run W.S. to 670'
 - c) Spot 100' cement plug 670'-570', pull W.S. to 520'
 - d) Spot 100' cement plug 520'-420', pull W.S.
 - e) Cut 10" at free-point (approximately 250') and pull
 - f) Proceed to step #12
- 12) Pull or run W.S. to 250', load hole with gel
- 13) Spot 100' cement plug 250'-150', pull W.S. to 100'
- 14) Spot 100' cement plug 100' – surface
- 15) Pull W.S. and top off with cement
- 16) Erect monument and reclaim as prescribed by law

Received

APR 16 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Halden

WELL RECORD

Permit No. MIN-152

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Co.
Address P. O. Box 1273, Charleston 25, W. Va.
Farm Central Trust Co. Acres 6852.4
Location (waters) West Fk. of 12-Pole Creek
Well No. 6287 Elev. 1323.46
District Harvey County Mingo
The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by The Central Trust Co.
Wm. E. Anderson V.P. Address Cincinnati 1, Ohio

Drilling commenced 2-23-49
Drilling completed 8-23-49
Date Shot 8-25-49 From 2866 To 3620
With 5600# Gal.

Open Flow 6 /10ths Water in 2" Inch
/10ths Merc. in Inch
Volume 103 M - Shale Cu. Ft.
Rock Pressure 415 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 245, 840 feet
Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10	610	610	Size of
8 1/4			
6 1/4	1828	1828	Depth set
5 3/16			
8			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 35 FEET 24 INCHES
210 FEET 60 INCHES 482 FEET 96 INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	14			
Slate			14	30			
Sand			30	35			
Coal			35	37			
Sand			37	72			
Slate			72	85			
Sand			85	100			
Slate			100	177			
Sand			177	200			
Slate			200	210			
Coal			210	215	Water	245'	1/2 B.P.H.
Slate			215	255			
Sand			255	340			
Slate			340	350			
Sand			350	475			
Slate			475	482			
Coal			482	490			
Slate			490	515			
Sand			515	535			
Slate			535	595			
Sand			595	600			
Slate			600	610			
Lime			610	680			
Slate & Shells			680	730			
Sand			730	825	Water	840'	1 Bailer
Slate & Shells			825	943			
Sand			943	1005	Gas	1073-1080'	4/10 W 2" 84 M
Salt Sand			1005	1255	Oil	1209-1217'	Show
Water Sand			1255	1260			
Slate			1260	1318	Oil	1435'	Show
Sand			1318	1630			
Slate			1630	1680			
Lime Shells			1680	1692			
Slate			1692	1695			
Red Rock			1695	1700			
Lime Shells			1700	1712			
Slate			1712	1750			
Lime Shells			1750	1765			
Slate			1765	1770			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Little Lime			1770	1790	Gas	1885'	Show
Big Lime			1790	1922			
Red Injun			1922	2026	Gas	2020'	Show
Slate & Shells			2026	2500			
Coffee Shale			2500	2542			
Berea Grit			2542	2611			
Brown Shale			2611	2675			
Gray Shale			2675	2800	Shale Gas	2925-2930'	6/10 W 2" 103 M
Brown Shale			2800	3015			
White Shale			3015	3270			
Brown Shale			3270	3610			
White Shale			3610	3620			
Total Depth			3620'				Test before shot 2/10 W 2" 60 M Shot 8-25-49 with 5600# Gel. 2866-3620 Test 18 Hrs. after shot 6/10 W 2" 103 M
							OPEN FLOW - 103 M - Shale
							48 Hr. R.P. 415#
							Shut in 8-26-49 in 6-5/8" Casing

Date October 5, 1949

APPROVED United Fuel Gas Co., Owner

By [Signature]
Chief Engineer (Title) R.

UNITED FUEL GAS COMPANY
COMPANY

SERIAL WELL NO. 6287 LEASE NO. 31896 MAP SQUARE 30-25

RECORD OF WELL NO. <u>6287</u> on the <u>Central Trust Co. #17 farm of 6852.4</u> acres in <u>Harvey</u> District <u>Mingo</u> County	CASING AND TUBING				TEST BEFORE SHOT
	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	
State of: <u>West Virginia</u>	<u>6-5/8" TD</u>	<u>20#</u>	<u>1841+2"</u>	<u>1841+2"</u>	2 /10 of Water in <u>2</u> inch /10 of Merc. in _____ inch Volume <u>60 MCF</u> Cu. ft.
Field: <u>Branchland</u>					TEST AFTER SHOT
Rig Commenced <u>By Contractor</u> 194					6 /10 of Water in <u>2</u> inch /10 of Merc. in _____ inch
Rig Completed <u>By Contractor</u> 194					Volume <u>103 MCF</u> Cu. ft.
Drilling Commenced <u>2-23</u> 1949					<u>48</u> Hours After Shot
Drilling Completed <u>8-23</u> 1949					Rock Pressure <u>415#</u>
Drilling to cost <u>\$2.75</u> per foot					Date Shot <u>8/25/49</u>
Contractor is: <u>H. A. Moorehead</u>					Size of Torpedo <u>5600# Gelatin</u>
Address: <u>Huntington, W. Va.</u>	SHUT IN				Oil Flowed _____ bbls. 1st 24 hrs.
				Date <u>8/26/49</u>	Oil Pumped _____ bbls. 1st 24 hrs.
Driller's Name <u>R. F. Phillips</u>	<u>6-5/8" in.</u>		<u>Flowback Casing</u>		
<u>Rufus Horn</u>	Size of Packer <u>6-5/8" X 8-1/4"</u>				Well abandoned and
	Kind of Packer <u>Bottom Hole</u>				Plugged _____ 194
	1st Perf. Set _____ from _____				
Elevation: <u>1323.46</u>				2nd Perf. Set _____ from _____	

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	14	14	
Slate	14	30	16	
Sand	30	35	5	
Coal	35	37	2	
Sand	37	72	35	
Slate	72	85	13	
Sand	85	100	15	
Slate	100	177	77	
Sand	177	200	23	
Slate	200	210	10	
Coal	210	215	5	
Slate	215	255	40	1/2 bailer water per hour at 245'
Sand	255	340	85	
Slate	340	350	10	
Sand	350	475	125	
Slate	475	482	7	
Coal	482	490	8	

APPROVED
N. E. Gibson

SERIAL WELL NO. 6287

LEASE NO. 31896

MAP SQUARE 30-25

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate	490	515	25	
Sand	515	535	20	
Slate	535	595	60	
Sand	595	600	5	
Slate	600	610	10	
Lime	610	680	70	
Slate & Shells	680	730	50	
Sand	730	825	95	1 bailer water per hour at 810'
Slate & Shells	825	943	118	
Sand	943	1005	62	
Salt Sand	1005	1008	3	
Salt Sand	1008	1255	247	Gas 1073 to 1080' - 4/10 W-2"
Water Sand	1255	1260	5	Show of oil at 1209 to 1217'
Slate	1260	1318	58	Show of oil at 1435
Sand	1318	1325	7	
Sand	1325	1670	345	
Slate	1670	1680	10	
Lime Shell	1680	1692	12	Reduced hole at 1685'
Slate	1692	1695	3	
Red Rock	1695	1700	5	
Lime Shell	1700	1712	12	
Slate	1712	1750	38	
Lime Shell	1750	1765	15	
Slate	1765	1770	5	
Little Lime	1770	1790	20	
Big Lime	1790	1922	132	7" OD Casing set at 1828'
Red Injun	1922	2026	104	Show of gas at 1885'
Slate Shells	2026	2500	474	Show of gas at 2020'
Coffee Shale	2500	2542	42	
Berea Grit	2542	2611	69	
Brown Shale	2611	2675	64	
Gray Shale	2675	2800	125	
Brown Shale	2800	3015	215	Gas from 2925 to 2930' - 6/10 W-2"
White Shale	3015	3270	255	
Brown Shale	3270	3610	340	
White Slate	3610	3620	10	
Total Depth	3620			

RECEIVED
SEP 19 1949
DIVISION Supt.

APPROVED
W. E. Gibson

5900152P CK 5125323
100

1) Date: 3/25/2014
2) Operator's Well Number 806287
3) API Well No.: 47 - 059 - 00152

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>First Century Bank, Inc.</u>	Name <u>Consol of KY, Inc.</u>
Address <u>P. O. Box 1559</u>	Address <u>P. O. Box 76</u>
<u>Bluefield, WV 24701</u>	<u>Naugatuck, WV 25685</u>
	(b) Coal Owner with Declaration
	Name <u>First Century Bank, Inc.</u>
	Address <u>P. O. Box 1559</u>
	<u>Bluefield, WV 24701</u>
(b) Name _____	(c) Coal Lessee <u>With Declaration</u>
Address _____	Name <u>Consol of KY, Inc.</u>
	Address <u>P. O. Box 76</u>
	<u>Naugatuck, WV 25685</u>
6) Inspector <u>Jeremy James</u>	Coal Lessee with Declaration
Address <u>P. O. Box 147</u>	Name _____
<u>Ona, WV 25545</u>	Address _____
Telephone <u>(304) 951-2596</u>	

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator Chesapeake Appalachia, L.L.C.
 By: David Stumbo David Stumbo
 Its: Production Superintendent- Devonian, Eastern Div.
 Address P. O. Box 18496
Oklahoma City, OK 73154-0496
 Telephone (606) 298-3400

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 Office of Oil and Gas
 MAR 27 2014
 WV Department of
 Environmental Protection

Subscribed and sworn before me this 25th day of March
Sherrill L Moore Notary Public
 My Commission Expires 5/24/2017

5900152P

7011 0470 0002 7116 9376

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Sent To Consol of KY, Inc.
P. O. Box 76
Naugatuck, WV 25685
(P&A Notification Well 806287) ✓

Street, Apt. or PO Box
City, State,

7011 0470 0002 7116 9383

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Total Pos	



Sent To First Century Bank, Inc.
P. O. Box 1559
Bluefield, WV 24701
(P&A Notification Well 806287) ✓

Street, Apt. or PO Box
City, State,

SURFACE OWNER WAIVER

5900152P

Operator's Well Number 806287
API 47-059-00152

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

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

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) 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.

Comments must be in writing. Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
2) The soil erosion and sediment control plan is not adequate or effective;
3) Damage would occur to publicly owned lands or resources;
4) The proposed well work fails to protect fresh water sources or supplies;
5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

Wayne L. Blenis Date 3/28/14
Signature

FOR EXECUTION BY A CORPORATION,
First Century Bank Inc, Successor
Trustee for Henry R. Claxton E St.

Wayne L. Blenis Wayne L. Blenis
VP - Trust Officer Date 3/28/14
By Its

Signature Date

Wayne L. Blenis

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Office of Oil and Gas

APR 01 2014

WV Department of
Environmental Protection

SURFACE OWNER WAIVER

Operator's Well Number
API

806287

47-059-00152

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

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I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,


Signature

Date 4/3/14

Name CONSOL OF KENTUCKY, INC.
By JACK RICHARDSON
Its VICE-PRESIDENT

Date 4/3/14

Signature

Date

Received

APR - 4 2014

**Office of Oil and Gas
WV Dept. of Environmental Protection**

WW-4B
Reverse

API No. 47-059-00152

5900152P

Farm Name First Century Bank Inc.
(Central Trust Co 17)

Well No. 806287

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator X / owner _____ / lessee X / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 4/3/14

Jack Richardson
By: CONSUL OF KY - JACK RICHARDSON
Its VICE-PRESIDENT

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APR 04 2014

WV Department of
Environmental Protection

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WW-9
Rev. 02/01

Page 1 of 2
API Number 47 - 059 - 00152
Operator's Well No. 806287

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Chesapeake Appalachia, L.L.C. OP Code 494477557

Watershed Shaft Branch of West Fork of Twelvepole Creek Quadrangle Trace, WV 7.5'

Elevation 1333' County Mingo District Harvey

Description of anticipated Pit Waste: Plugging returns

Will a synthetic liner be used in the pit? Yes 20ML.

Proposed Disposal Method For Treated Pit Wastes:

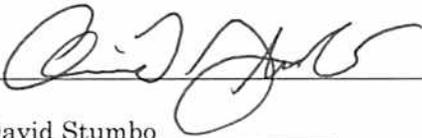
- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, 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.

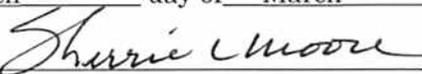
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is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

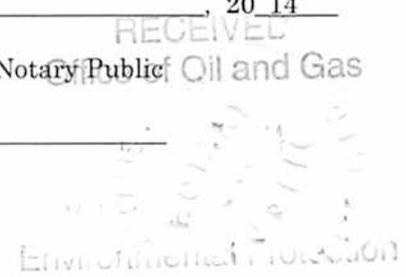
Company Official (Typed Name) David Stumbo

Company Official Title Production Superintendent, Appalachian South BU, Northern Division

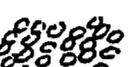
Subscribed and sworn before me this 25th day of March, 20 14

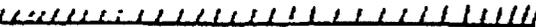
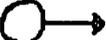
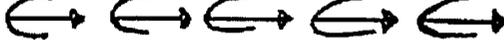
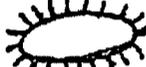
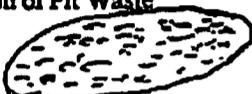
 Notary Public

My commission expires 5/24/2017



LEGEND

- Property Boundary 
- Road 
- Existing Fence 
- Planned Fence 
- Stream 
- Open Ditch 
- Rock 
- North 
- Buildings 
- Water wells 
- Drill site 

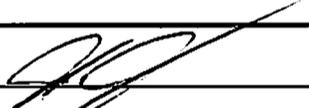
- Diversion 
- Spring 
- Wet Spot 
- Drain Pipe with size in inches 
- Waterway 
- Cross Drain 
- Artificial Filter Strip 
- Pit: cut walls 
- Pit: compacted fill walls 
- Area for Land Application of Pit Waste 

Proposed Revegetation Treatment: Acres Disturbed 1/8 Prevegetation pH _____
 Lime _____ Tons/acre or to correct to pH _____
 Fertilizer (10-20-20 or equivalent) _____ lbs/acre (500 lbs minimum)
 Mulch 250 lb Tons/acre

Seed Mixtures

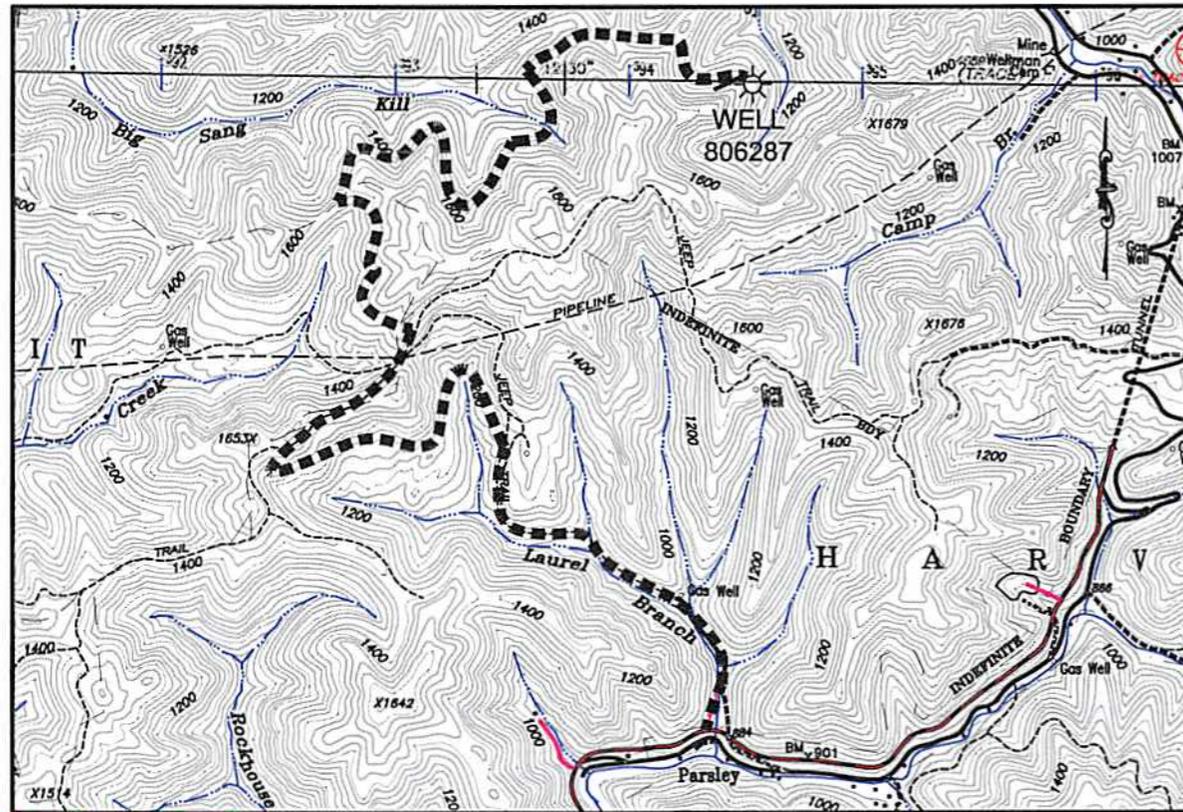
Seed Type	Area I		Seed Type	Area II	
		lbs/acre			lbs/acre
Cereal Rye		17.5 / 1/8			

Attach:
 Drawing(s) of road, location, pit and proposed area for land application.
 Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 
 Title: inspector OOG Date: 4-9-14
 Field Reviewed? Yes No

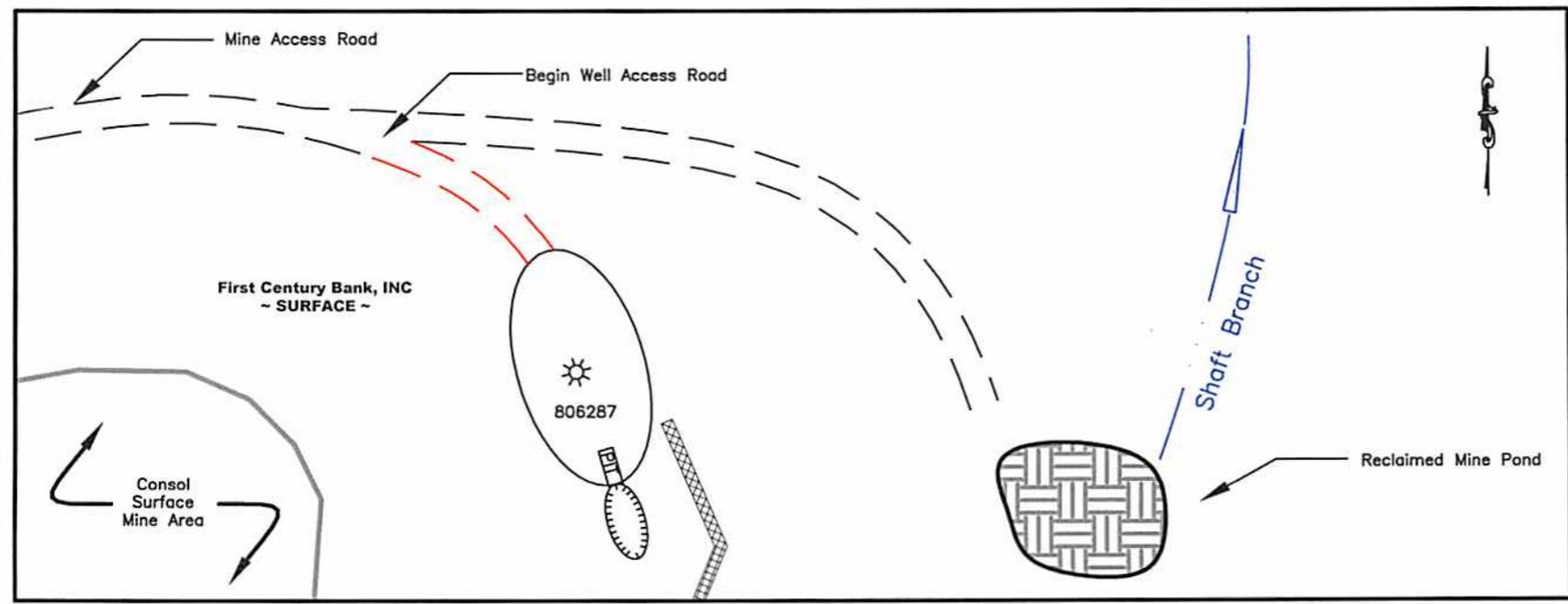
Received
 APR 16 2014
 Office of Oil and Gas
 WV Dept. of Environmental Protection

5900152P



TRACE/MYRTLE WV 7.5'

ACCESS ROAD DETAIL



NOTE: SURFACE OWNERS SHOWN ON THIS DRAWING ARE TAKEN FROM LOCAL COUNTY ASSESSORS TAX MAPS AND SHOULD NOT BE RELIED UPON FOR SECURING RIGHTS OF WAY OR DAMAGE NEGOTIATIONS.

Mingo County
 Office of Oil and Gas
 MAR 27 2014
 WV Department of
 Environmental Protection

Drawing Legend

Property Boundary		Diversion	
Road (806287)		Spring	
Existing Fence		Wet Spot	
Planned Fence		Existing Drain Pipe with size in inches	
Stream		Waterway	
Open Ditch		Cross Drain	
Rock		Artificial Filter Strip	
North		Pit: cut walls	
Buildings		Pit: Compacted fill walls	
Water Wells		Areas for Land Application of Pit Waste	
Drill Site		Temporary berm	
Road (Existing)		Brush Barrier	
		Straw Bales	

General Notes

THIS DRAWING IS A SCHEMATIC REPRESENTATION OF THE PROPOSED WELL SITE AND ACCESS ROAD. PROPOSED STRUCTURES SUCH AS WELL SITE, DRILLING PIT, ROADWAYS, CULVERTS, SEDIMENT BARRIERS ETC. ARE SHOWN IN APPROXIMATE PRE-PLANNING CONFIGURATIONS.

TREES AND SLASH WILL BE CLEARED AS NECESSARY BEFORE ANY PROPOSED ROAD, SITE, OR PIPELINE CONSTRUCTION BEGINS. IF SUFFICIENT RESIDUE MATERIALS ARE AVAILABLE FROM CLEARING, THIS MATERIAL WILL BE WINDROWED BELOW THE ANTICIPATED FILL OUTSLOPE(S) TO INTERCEPT AND RETAIN SEDIMENT FROM DISTURBED AREAS. ALL MARKETABLE TIMBER WILL BE CUT AND STACKED IN AREAS ADJACENT TO OPERATIONS.

ALL CULVERT PIPES WILL BE A MINIMUM OF 12" IN DIAMETER. ALL CULVERT PIPES INSTALLED WILL BE ACCOMPANIED BY AN ENTRANCE SUMP WITH DIMENSIONS NO LESS THAN 3 FT. (WIDTH) X 3 FT. (LENGTH) X 4 FT. (DEEP). CULVERTS WILL BE INSTALLED AT AN ANGLE TO ENSURE PROPER FLOW. THE OUT FALL OF CULVERTS WILL BE PROTECTED FROM EROSION AND SEDIMENTATION USING, LARGE ROCKS OR OTHER SEDIMENT CONTROLS DEEMED NECESSARY IN THE PREVENTION OF EROSION AND SEDIMENTATION. STORM WATER FROM THE DITCHES TO THE CULVERTS WILL BE DIRECTED TO STABLE NATURAL VEGETATIVE AREAS, WHERE CULVERTS ARE NOT PRACTICAL. OPERATOR WILL HAVE OTHER SEDIMENT CONTROL IN PLACE TO MINIMIZE EROSION AND SEDIMENTATION.

TEMPORARY SEEDING: SEE ATTACHMENT #1.
 CROSS DRAINS, BROAD BASED DIPS, WATER BARS, AND DIVERSION DITCHES WILL BE EMPLOYED DURING THE CONSTRUCTION PHASE. THESE EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE USED TO CONTROL EROSION AND SEDIMENTATION DURING THE CONSTRUCTION PHASE, WHERE APPLICABLE AND AREAS THAT WILL ALLOW. THESE STRUCTURES WILL BE CONSIDERED PERMANENT AND USED AS SUCH.

AFTER THE DRILLING AND COMPLETION PROCESS, CROSS DRAINS, BROAD BASED DIPS, WATER BARS AND DIVERSION DITCHES WILL BE AN INTEGRAL PART OF THIS RECLAMATION PROCESS AND SHALL BE INSTALLED AND SPACED IN ACCORDANCE WITH THE AS-BUILT ROADWAY SLOPES AND TABLE 11-4 OF THE EROSION SEDIMENT CONTROL FIELD MANUAL.

PERMANENT SEEDING: SEE ATTACHMENT #1
 TEMPORARY SEEDING TO BE APPLIED TO ALL SLOPES AFTER CONSTRUCTION.

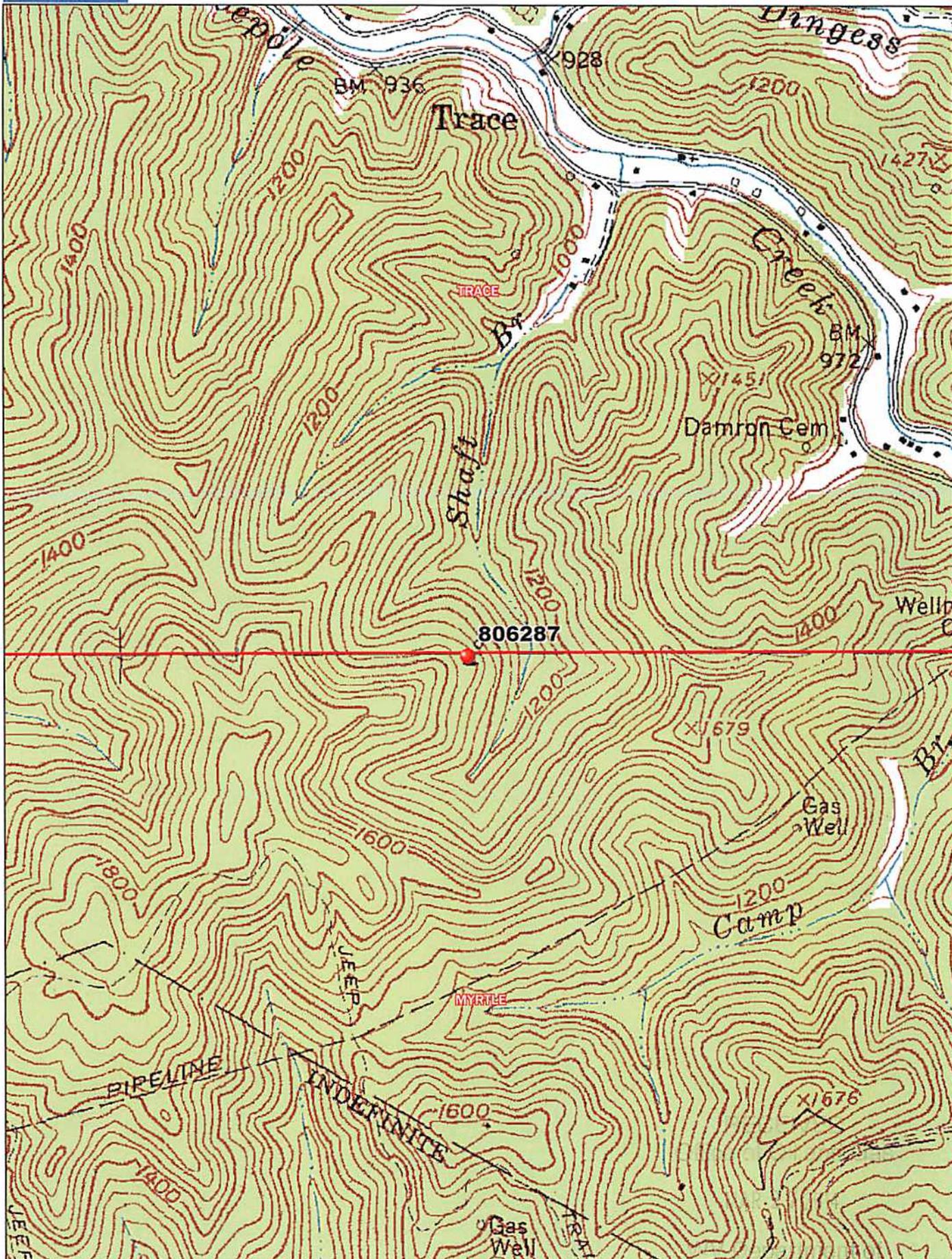


**CONSTRUCTION & RECLAMATION SITE PLAN
 PROPOSED PLUG AND ABANDONMENT
 WELL 806287**

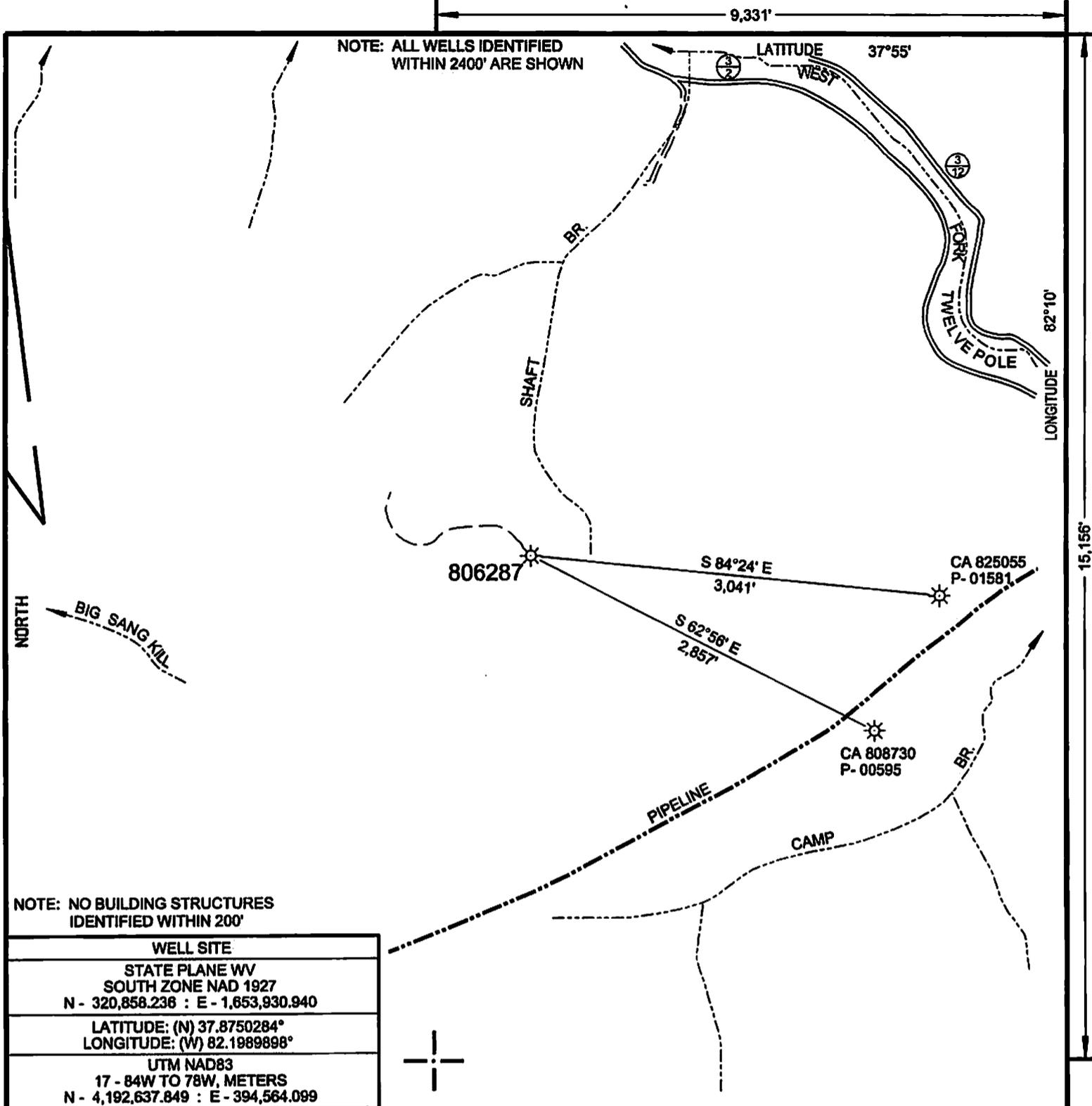
Located Near The Community Of Parsley
 In The Harvey District Of Mingo county
 West Virginia.

DATE: 3-21-14
 DRAWN BY: JDH

SCALE: Not To Scale
 806287 P&A Rec Plan.dwg



NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

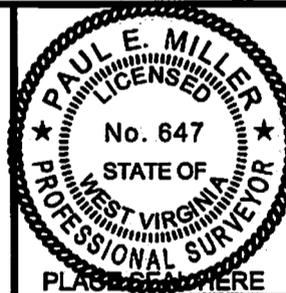
WELL SITE	
STATE PLANE WV SOUTH ZONE NAD 1927 N - 320,856.236 : E - 1,653,930.940	
LATITUDE: (N) 37.8750284° LONGITUDE: (W) 82.1989898°	
UTM NAD83 17 - 84W TO 78W, METERS N - 4,192,637.849 : E - 394,564.099	

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO.	CA806287.DGN
DRAWING NO.	CA6287P&A.DGN
SCALE	1" = 1000'
MINIMUM DEGREE OF ACCURACY	1:200
PROVEN SOURCE OF ELEVATION	MAPPING GRADE GPS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) Paul E. Miller
R.P.E. _____ L.L.S. 647



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION



DATE MARCH 17, 20 14
OPERATOR'S WELL NO. 806287
API WELL NO.

47 059 00152 P
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1,333' WATER SHED SHAFT BRANCH OF WEST FORK OF TWELVEPOLE CREEK

DISTRICT HARVEY COUNTY MINGO

QUADRANGLE TRACE, WV 7.5'

SURFACE OWNER FIRST CENTURY BANK, INC. ACREAGE -

OIL & GAS ROYALTY OWNER FIRST CENTURY BANK, INC. LEASE ACREAGE 6852

LEASE NO. 10031896

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON X CLEAN OUT AND REPLUG ___

TARGET FORMATION BROWN SHALE ESTIMATED DEPTH _____

WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT ERIC B. GILLESPIE

ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25362

FORM WV-6

COUNTY NAME

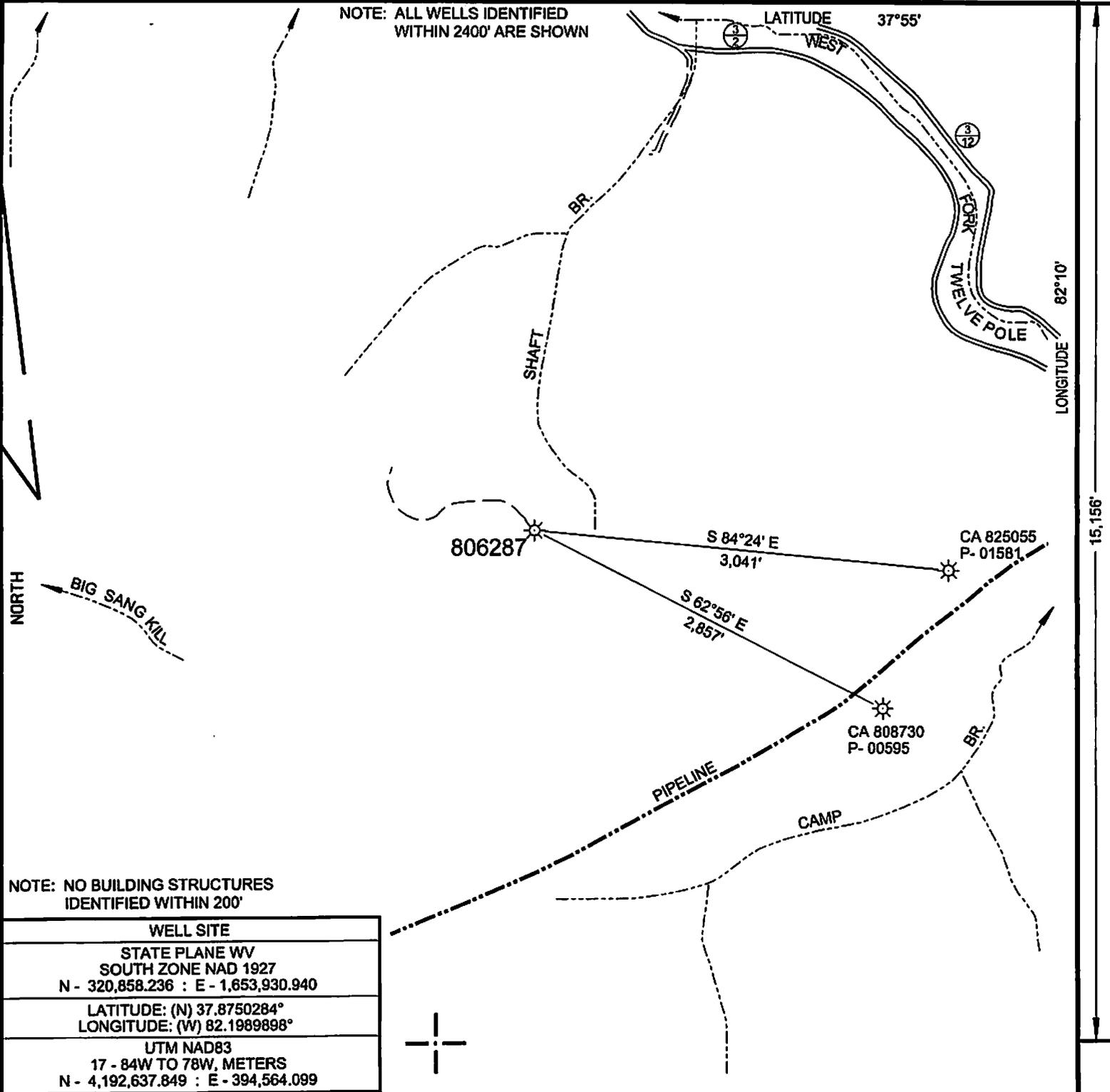
PERMIT

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 37°55'

LONGITUDE 82°10'

15,156'



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

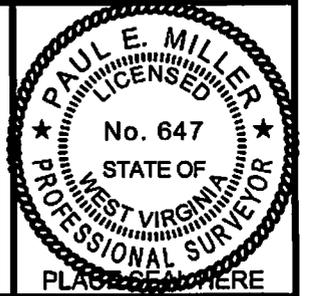
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STATE PLANE WV SOUTH ZONE NAD 1927	
N - 320,858.236 : E - 1,653,930.940	
LATITUDE: (N) 37.8750284°	
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17 - 84W TO 78W, METERS	
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(SIGNED) *Paul E. Miller*
R.P.E. _____ L.L.S. 647



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION



DATE MARCH 17, 20 14
OPERATOR'S WELL NO. 806287
API WELL NO.

47 059 00152
STATE COUNTY PERMIT

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(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

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PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BROWN SHALE ESTIMATED DEPTH
WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT ERIC B. GILLESPIE
ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25362

COUNTY NAME

PERMIT

RECEIVED -
Office of Oil and Gas
MAR 27 2014
WV Department of
Environmental Protection



CERTIFIED MAIL

March 26, 2014

Mr. James Martin
Division of Environmental Protection
Office of Oil and Gas - Permitting
601 57th Street SE
Charleston, WV 25304

Dear Mr. Martin:

Chesapeake Appalachia, L.L.C. proposes to plug and abandon Well 808015, API No. 47-059-00341 and Well 806287, API No. 47-059-00152. Please find attached a check for each application in the amount of \$100.00 for the permit fee and the permit applications to plug and abandon.

If you have any questions, please call our Honey Branch office (606) 298-3400 or email dave.stumbo@chk.com.

Sincerely,

A handwritten signature in black ink that reads "David Stumbo" followed by a flourish.

David Stumbo,
Production Superintendent

Enclosure: Permit Application Package to Plug and Abandon

C: Jeremy James - Inspector
P. O. Box 147
Ona, WV 25545

RECEIVED
Office of Oil and Gas
MAR 27 2014
WV Department of
Environmental Protection