



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

May 08, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-7500022, 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: P-1

Farm Name: U.S.A.

API Well Number: 47-7500022

Permit Type: Plugging

Date Issued: 05/08/2015

Promoting a healthy environment.

05/08/2015

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.

Inspector's signed Copy

7500022A

FORM WW-4 (B)
Observe
File Copy
(Rev. 2/01)

1) Date: 3/25/2014
2) Operator's Well No. 823948
3) API Well No. 47-075-00022

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil Gas X Liquid injection Waste disposal
(Is Gas, Production X or Underground storage) Deep Shallow X
- 5) Location: Elevation 3,095' Watershed Little River
District Greenbank County Pocahontas Quadrangle Thornwood, WV 7.5'
- 6) Well Operator Chesapeake Appalachia, L.L.C. 7) Designated Agent Jessica Greathouse
Address P.O. Box 18496 Address P.O. Box 6070
 Oklahoma City, OK 73154-0496 Charleston, WV 25362
- 8) Oil and Gas Inspector to be notified
Name Bryan Harris
Address P.O. Box 157
 Volga, WV 26238
- 9) Plugging Contractor
Name Chesapeake Appalachia, L.L.C.
Address P.O. Box 18496
 Oklahoma City, OK 73154-0496

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached Sheet

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Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work Order approved by Inspector Bryan Harris Date 4-17-15

05/08/2015

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823948 P&A PROCEDURE

- 1) Prepare road and location, MIRU service rig
- 2) Check pressure on tubing and casing
- 3) Blow well down to tank
- 4) If needed load hole with enough fluid to kill highest pressure plus 25% safety factor
- 5) Install BOP if needed, TOH with 2 3/8" tubing
- 6) Remove cage and inspect tubing (If tubing is in good condition, use as W.S. – if not, replace)
- 7) RIH with tools to check PBSD approximately at 4900'
- 8) TIH with W.S. to approximately 4900', spot 50 bbls gel
- 9) Spot 300' cement plug from 4900'-4600', pull W.S.
- 10) Run in hole with tools to check top of plug (If TOC is below 4625', then add to top of plug)
- 11) Cut 5 1/2" at free-point approximately at 2650' and pull (If unable to pull at least 2600' of 5 1/2", then rip or shoot holes approximately at 2630' & 2590')
- 12) Run W.S. to approximately 2650', spot gel (12 bbls if 5 1/2" is still in hole, 26 bbls if 5 1/2" has been pulled)
- 13) Spot 150' cement plug 2650'-2500', pull W.S. (Fresh Water)
- 14) If 5 1/2" was not cut and pulled in step 11, then cut 5 1/2" approximately at 2075' and pull (If at least 2025' of 5 1/2" cannot be pulled, then rip or shoot holes approximately at 2025' and pull 5 1/2" from where free)
- 15) Run W.S. to approximately 2075', spot 105 bbls gel, shut down if gel returns to surface
- 16) Spot 175' cement plug 2075'-1900', pull W.S.
- 17) Cut 8 5/8" at free-point approximately at 240', and pull (If unable to pull at least 220' of 8 5/8", then rip or shoot holes approximately at 240', 200', 150', and 100')
- 18) Run W.S. to 240', spot 240' cement plug 240'-surface
- 19) Pull W.S. and top off with cement
- 20) Set monument and reclaim as prescribed by law.

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 9

Well 823948
API 47-075-00022P
Page 7 of 2

Quadrangle Spruce Knob SW

WELL RECORD CORRECTED

WELL RECORD

Permit No. Poca-22

Oil or Gas Well gas
(KIND)

Company Columbian Fuel Corp., Oper.
 Address P. O. Box 873, Charleston 23, W. Va.
 Farm United States of America Acres 892.80
 Location (waters) Little River
 Well No. P-1, GW-1393 Elev. 3099.80'
 District Greenbank County Pocahontas
 Bureau of Land Management
 The surface of tract is owned in fee by Management
Interior Bldg. Address Wash, 25, D. C.
 Mineral rights are owned by same
 Address _____
 Drilling commenced 1-12-63
 Drilling completed 2-16-63
 Date Shot not shot From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
6 /10ths Merc. in 2 Inch
 Volume 381,000 Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED not acidized
 WELL FRACTURED see reverse side

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
<u>20" 94#</u>	<u>16'7"</u>	<u>16'7"</u>	Kind of Packer _____
<u>3/8" 48#</u>	<u>97'</u>	<u>97'</u>	<u>none</u>
10			Size of _____
<u>8 1/4" 24#</u>	<u>1974'</u>	<u>1974'</u>	
6 5/8			Depth set _____
<u>5 3/16" 17 1/2#</u>	<u>4990'</u>	<u>4990'</u>	
3			Perf. top _____
<u>2 3/8" 4 1/2#</u>	<u>4900'7"</u>	<u>4900'7"</u>	Perf. bottom _____
Liners Used <u>w/ 2" cage</u>			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
see reverse side
 COAL WAS ENCOUNTERED AT none FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT 9# spring gauge 3" = 4,712 MCF
 ROCK PRESSURE AFTER TREATMENT 4 days 1620#
 Fresh Water 190' 2,580' Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil and Slate			0	25			
Sand and Shale			25	65			
Sand, Hard White			65	95			
Grey Sandy Shale			95	340	F. water	190'	foaming
Lime and Shale			340	425			
Shale			425	450			
Hardy Grey Sand			450	510			
Shale and Sand streaks			510	715			
Grey Shale			715	825			
Sandy Shale			825	925			
Lime and Shale			925	1580			
Grey Shale			1580	1900			
Sandy Shale			1900	1952			
Shale			1952	2020			
Shale and Lime streaks			2020	3420	F. water	2580'	
Lime and Shale			3420	3824			
Sandy Shale			3824	3915			
Black Shale			3915	4440			
Lime and Shale			4440	4533			
(the following depths are from Schlumberger Measurements)							
Onondaga Lime			4533	4603	Gas Pays (Temperature Log)		
Huntersville Chert			4603	4627			
Needmore Shale			4627	4697	4724-4730'		
Oriskany Sand			4697	4850	4778-4782'		
Helderberg Lime Group			4850	5530	4792-4794'		
Silurian			5530	-5580-5880'	4866-4870'		
TOTAL DEPTH				-5580'	5880'		



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(over)

WV Department of Environmental Protection

05/08/2015

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
CASING RECORD							
1-21-63			9				Ran 8-5/8" casing at 1,950' Rotary Measurement. Cemented with 50 sacks Hi Early Cement and 1 sack CA CL ₂ .
2-18-63							Set cement plug 5,000' to 4,950' - hole from 5880' to 5000' filled with 9.5# mud.
2-19-63							Ran 5-1/2" casing - bottom pipe 4949' with guide shoe on bottom, Baker Differential Fill Up Collar 32' off bottom - 6 centralizers. Circulated hole. Ran 2 sacks Baraflos mixed with 20 bbls. water ahead of cement. Cemented with 225 sacks (4% Flos). Pumped plug at 700# to Differential Fill Up Collar. Pressured to 1200#.
Perforated:	4728-4732')					
	4778-4800-	(4 shots per foot					
	4815-4820')					
	4865-4876')					
FRACTURED THE ORISKANY 2-25-63							
<p>Before fracturing gas gauged 6/10 M. 2" = 381 MCF. Pumped in at 2300#. Fraced with 500 gallons mud acid, 1500 gallons regular acid, 425 bbls. sand laden fluid, 20,000# sand, 10 gallons detergent and 100 perf balls plus 110,000 standard cubic feet of Nitrogen Gas. Average injection rate 28-1/2 bbls. per minute. Average treating pressure 2,350#. Average flush pressure 2,500#. Total fluid 628 bbls. Final open flow on 3-11-63 9# spring gauge in 3" = 4,712 MCF;</p>							

Date March 19, 19 63

APPROVED Columbian Fuel Corp., Oper., Owner

By W. S. Moore, Division Sup't
(Title)

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APR 22 2015

WV Department of
Environmental Protection

05/08/2015

WW4-A
Revised
2/01

1) Date: 3/25/2015
2) Operator's Well No. 823948 P&A
3) API Well No. 47-075-00022

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
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:
(a) Name U.S. Department of Agriculture
Address U.S. Forest Service/
Mon. National Forest
200 Sycamore Street
Elkins, WV 26241-3962
(b) Name U.S. Department of Interior
Address Bureau of Land Mgmt - Eastern States
626 E. Wisconsin Ave., Suite 200
Milwaukee, WI 53202-4617
(c) Name _____
Address _____
6) Inspector Bryan Harris
Address P.O. Box 157
Volga, WV 26238
Telephone 304-553-6087

5) Coal Operator
(a) Name _____
Coal Owner(s) with Declaration
(b) Name _____
Address _____
Name _____
Address _____
Name _____
Address _____
Coal Lessee with Declaration
(c) Name _____
Address _____

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 the 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 the 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: [Signature]
Its: Completion Superintendent
Address: P.O. Box 18496
Oklahoma City, OK 73154-0496
Telephone: 405-935-4073

Subscribed and sworn before me this 25th day of March the year of 2015
Phyllis A. Copley Notary Public
My Commission Expires September 16, 2018

Received
Office of Oil & Gas
MAR 27 2015

Well 823948
 API 47-075-00022

75 00022P

7014 2120 0003 6636 5989

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ELKINS WV 26241

OFFICIAL USE

Postage	\$	\$1.40	0523
Certified Fee		\$3.30	03
Return Receipt Fee (Endorsement Required)		\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.40	03/25/2015

Sent To: **823948 P&A**
 U.S. Department of Agriculture
 U.S. Forest Service/Mon. National Forest
 200 Sycamore Street
 Elkins, WV 26241-3962

PS Form 3800

7014 2120 0003 6636 5972

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MILWAUKEE WI 53202

OFFICIAL USE

Postage	\$	\$1.40	0523
Certified Fee		\$3.30	03
Return Receipt Fee (Endorsement Required)		\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.40	03/25/2015

Sent To: **823948 P&A**
 U.S. Department of Interior
 Bureau of Land Management – Eastern States
 626 E. Wisconsin Avenue, Suite 200
 Milwaukee, WI 53202-4617

PS Form 3800

Received
 Office of Oil & Gas
 MAR 27 2015

05/08/2015

75 00022P

Form WW-9
Rev. 02/01

API Number 47-075-00022
Operator's Well No. 823948 P&A

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 Little River Quadrangle Thornwood, WV 7.5'
Elevation 3,095' County Pocahontas District Greenbank

Description of anticipated Pit Waste: Plugging Returns/Cement

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

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
- Swabbing
- Plugging
- Other (Explain _____)

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 *Rob Schindler*

Company Official (Typed Name) Rob Schindler

Company Official Title Completion Superintendent

Subscribed and sworn before me this 25th day of March, 2015.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018

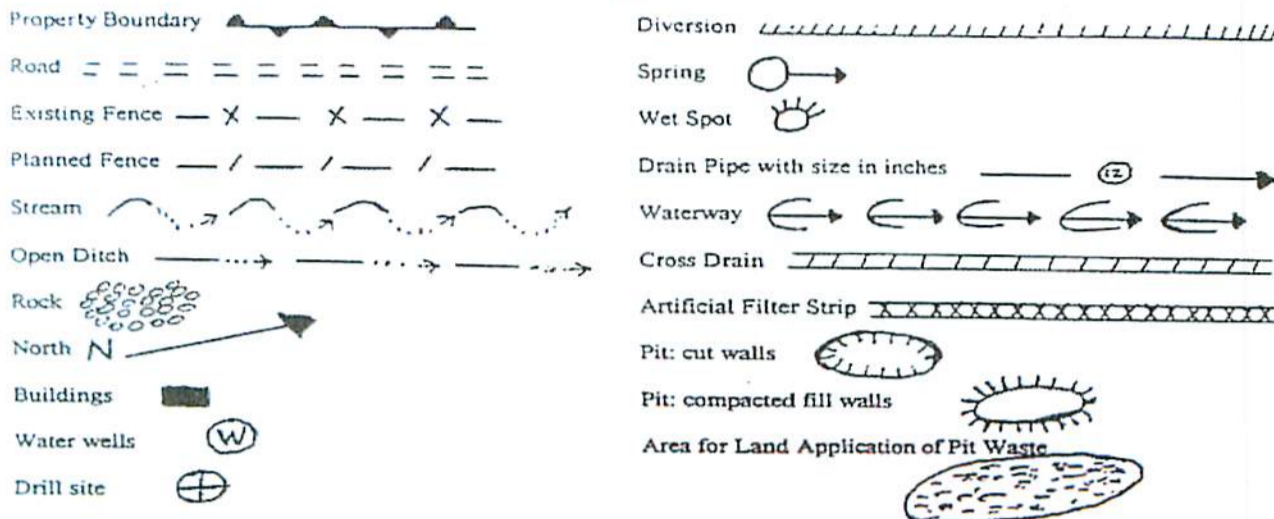


05/08/2015

Attachment #1

API #: 47-075-00022
 Operator's Well No. 823948 P&A

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH 6.1
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-10 or equivalent) 500 lbs/acre
 Mulch Weed free straw

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Winter Wheat (6/15-11/15)	20	Spring Wheat (2/15-6/15)	20
Annual Rye (6/15-11/15)	20	Oats (2/15-6/15)	20
Alfalfa (pre inoculated)	10	Durana Clover (pre inoculated)	2
Mammoth Red Clover (pre inoculated)	5	Chicory	3

Attach:
 Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Bryan Harris

Title: Oil & Gas Inspector

Date: 4-17-15

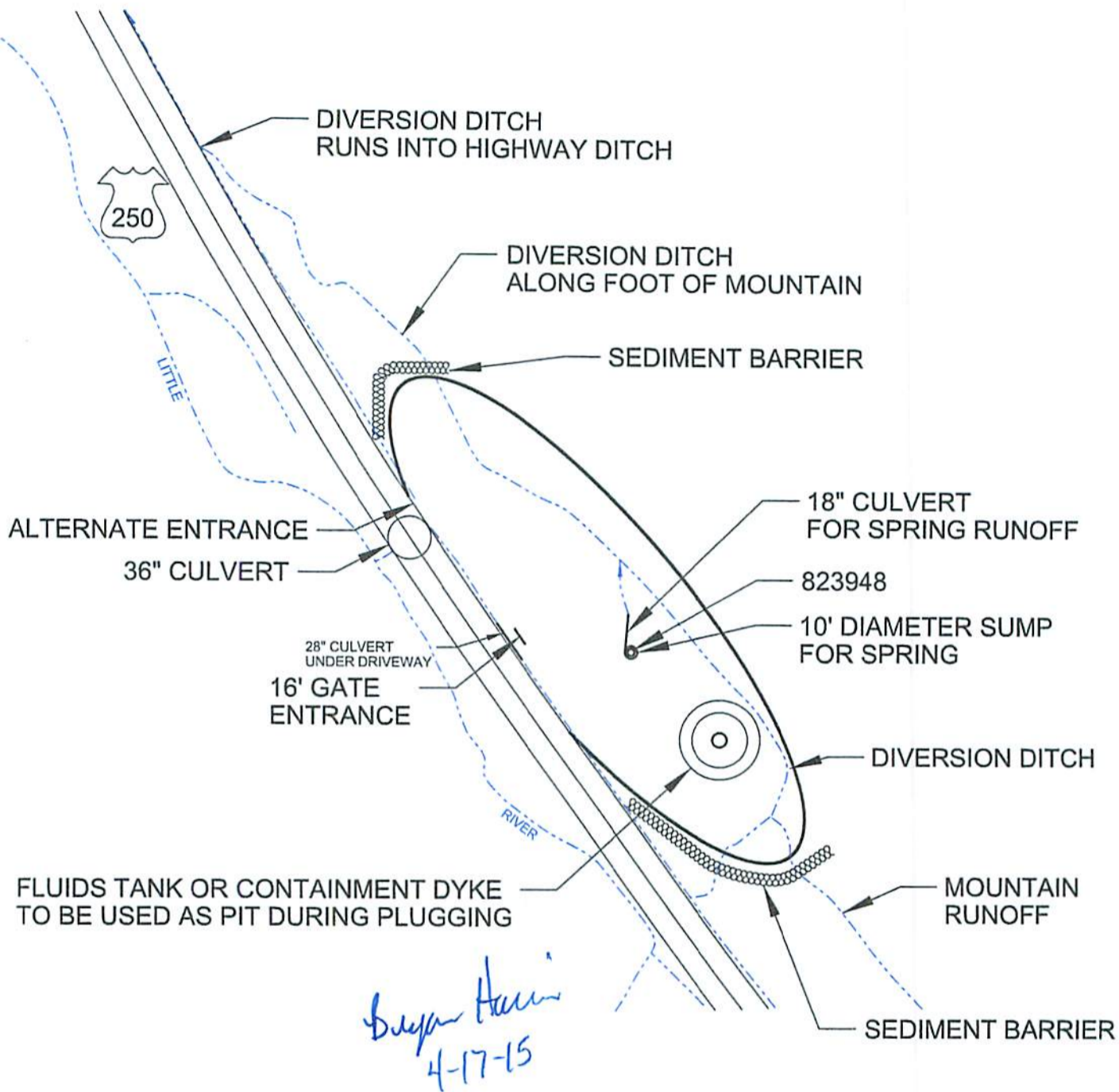
Field Reviewed? (X) Yes () No

CHESAPEAKE APPALACHIA, L.L.C.

RECLAMATION DIAGRAM
WELL LOCATION 823948

API 47-075-00022

75 00022A



GENERAL NOTES

This drawing is a schematic representation of the 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.

All culvert pipes will be a minimum of 15 inches in diameter. All culvert pipes installed will be accompanied by an entrance sump with dimensions no less than 3 feet (width) x 3 feet (length) x 4 feet (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 sedimentation.

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 in areas that will allow. These structures will be considered permanent and used as such.

Permanent seeding: See Attachment #1.

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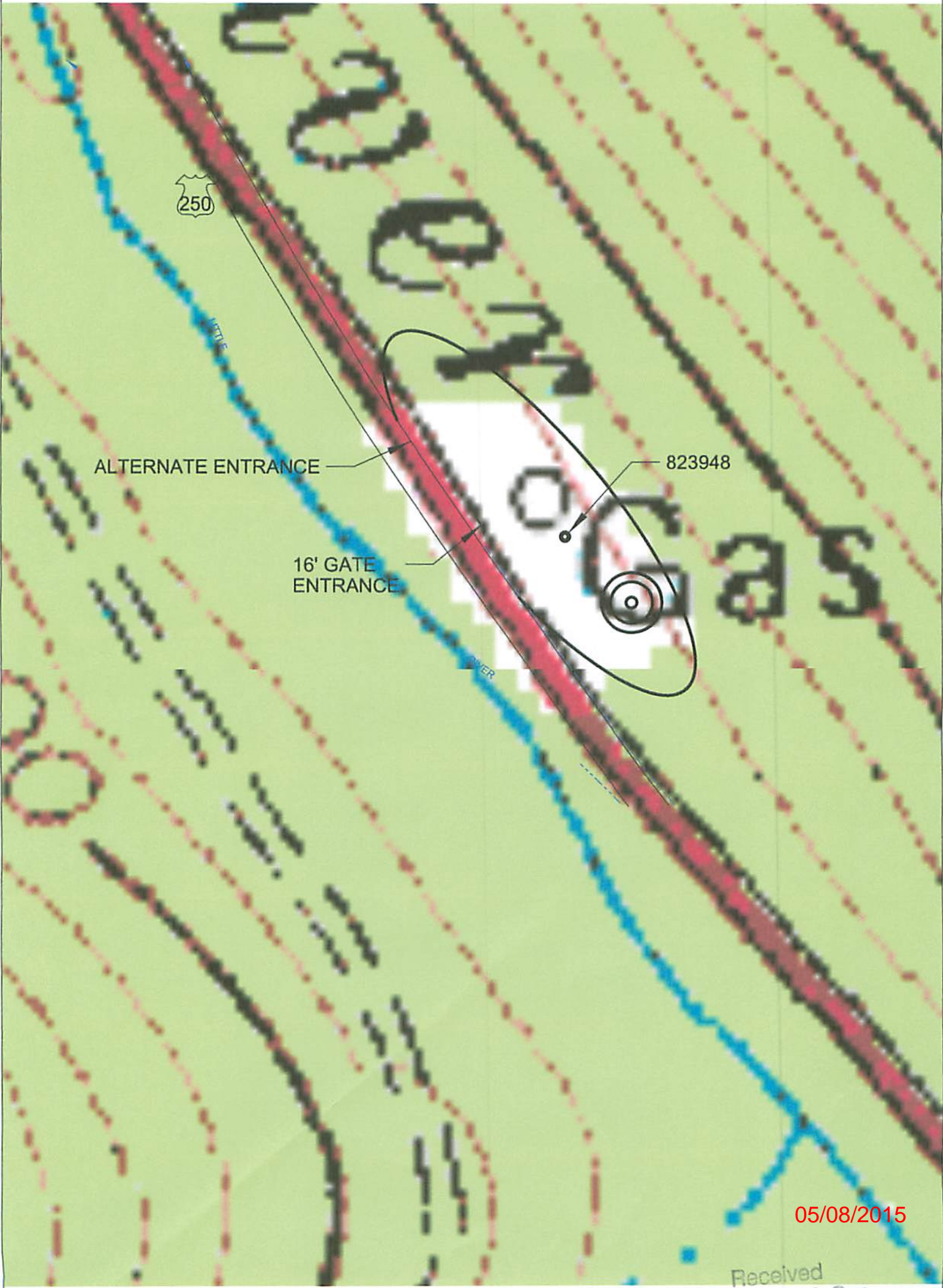
Department of
Environmental Protection
05/08/2015

75 00022P

CHESAPEAKE APPALACHIA, L.L.C.

TOPOGRAPHICAL MAP OF ACCESS AND WELL LOCATION 823948

API 47-075-00022



05/08/2015

Received
Office of Oil & Gas
MAR 27 2015

CHESAPEAKE ENERGY CORPORATION - EASTERN DIVISION
P.O. BOX 579 - 8165 COURT AVENUE - HAMLIN, WV 25523
304 824-5141 - FAX 304 824-2247

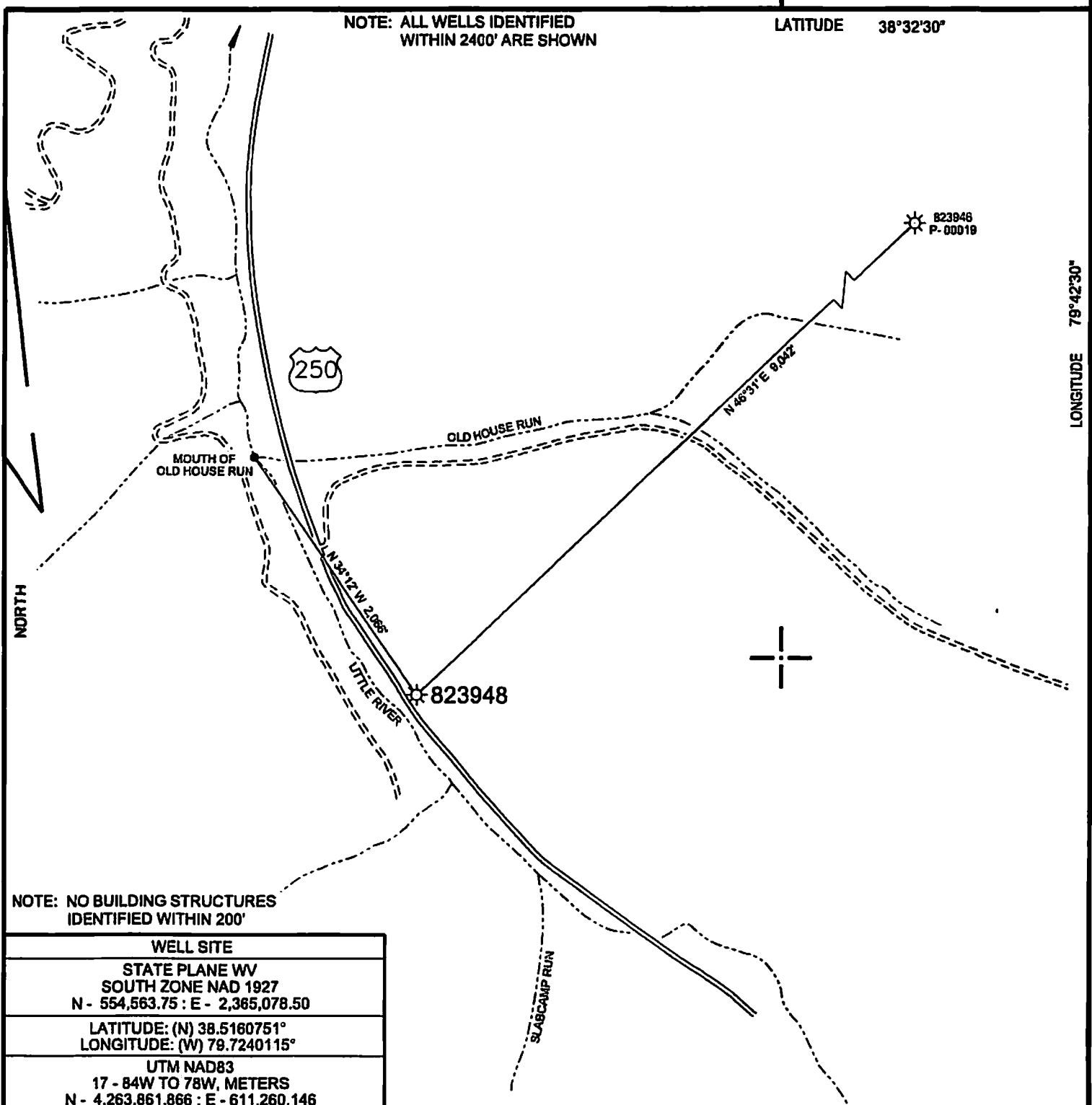
NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°32'30"

4,482'

LONGITUDE 79°42'30"

9,315'



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

WELL SITE	
STATE PLANE WV SOUTH ZONE NAD 1927	
N - 554,563.75 : E - 2,365,078.50	
LATITUDE: (N) 38.5160751°	
LONGITUDE: (W) 79.7240115°	
UTM NAD83	
17 - 84W TO 78W, METERS	
N - 4,263,861.866 : E - 611,260.146	

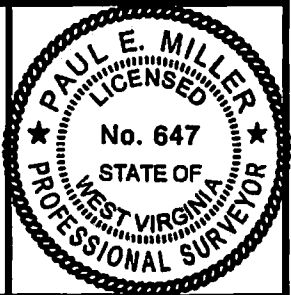
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO.	823948.DGN
DRAWING NO.	823948
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 JANUARY 7, 2015
OPERATOR'S WELL NO. 823948
API WELL NO.

47 075 00022 P
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 3,095' WATER SHED LITTLE RIVER
DISTRICT GREEN BANK COUNTY POCAHONTAS
QUADRANGLE THORNWOOD, WV 7.5'

SURFACE OWNER USA ACREAGE -
OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE _____

LEASE NO. _____

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 _____ ESTIMATED DEPTH _____

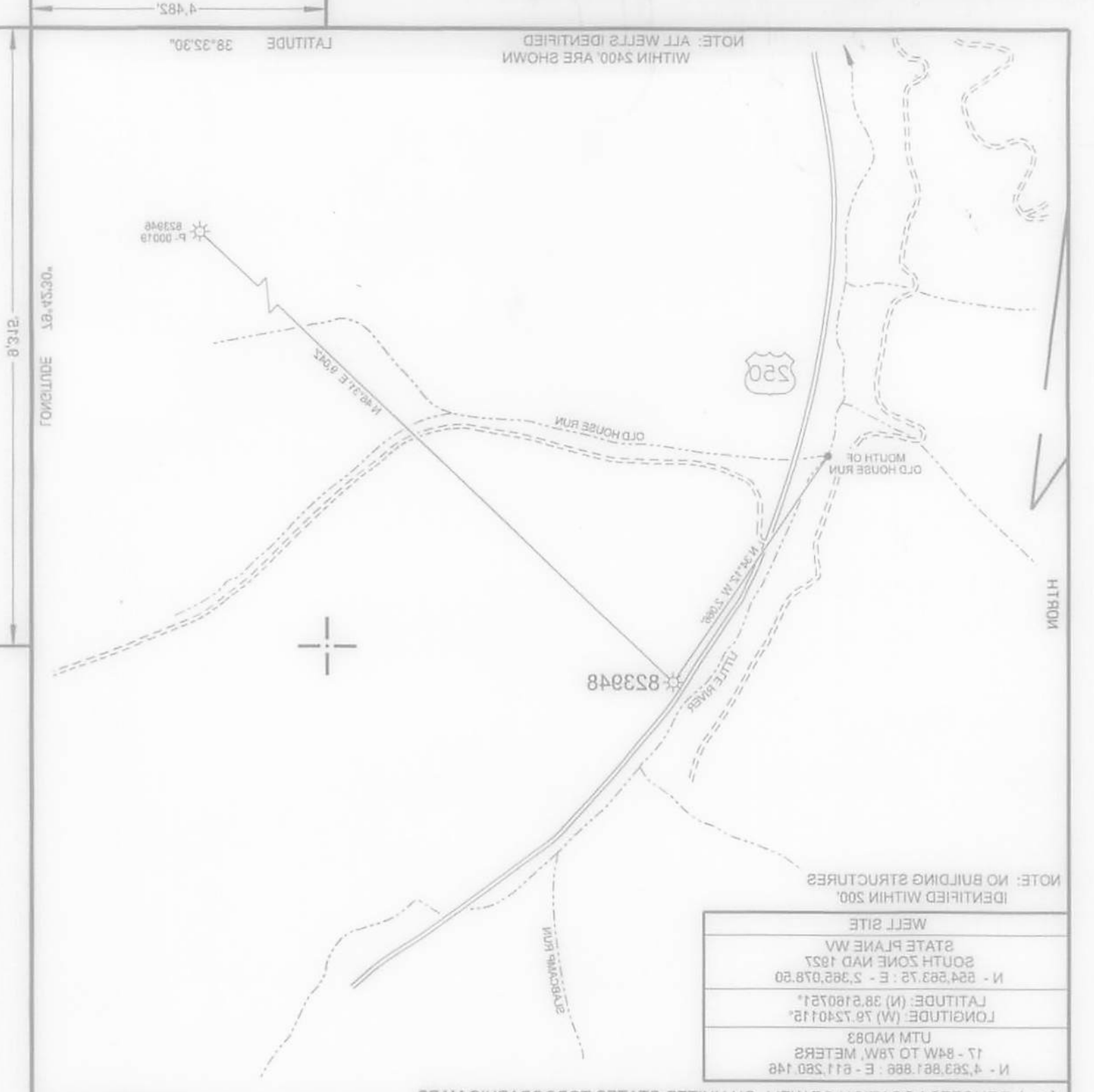
WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JESSICA GREATHOUSE

ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 8070, CHARLESTON, WV 25382

COUNTY NAME PERMIT

05/08/2015

FORM WV-6



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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) _____

R.P.E. _____ L.I.S. _____ 647

FILE NO.	823948.DGN
DRAWING NO.	823948
SCALE	1" = 1000'
MINIMUM DEGREE OF ACCURACY	1" = 200'
PROVEN SOURCE OF ELEVATION	MAPPING GRADE GPS

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

DATE: JANUARY 7, 2015
OPERATOR'S WELL NO.: 823948
API WELL NO.: 000229

STATE: 47
COUNTY: POCAHONTAS

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

LOCATION: ELEVATION: 3,095' WATER SHED: LITTLE RIVER
DISTRICT: GREEN BANK COUNTY: POCAHONTAS

QUADRANGLE: THORNWOOD, WV 25
SURFACE OWNER: USA
LEASE ACREAGE: -
LEASE NO.:

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 CLEAN OUT AND REPLUG
TARGET FORMATION: _____ ESTIMATED DEPTH: _____
WELL OPERATOR: CHESSAPEAKE APALACHIA, L.L.C. DESIGNATED AGENT: JESSICA GREATHOUSE
ADDRESS: P.O. BOX 18498, OKLAHOMA CITY, OK 73154-0498 ADDRESS: CHESSAPEAKE APALACHIA, L.L.C. P.O. BOX 8070, CHARLESTON, WV 25383

05/08/2015

B-WV MPO-7