



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

December 28, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8300840, issued to INTERSTATE PRODUCTION CO, 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: A-1394
Farm Name: COFFEY, WILLIE E., ETAL
API Well Number: 47-8300840
Permit Type: Plugging
Date Issued: 12/28/2015

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.

83008467

- 1) Date November 9, 2015
- 2) Operator's
Well No. A-1394
- 3) API Well No. 47-083 - 0840

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 ____ /
(If "Gas, Production ____ or Underground storage ____) Deep ____ / Shallow X

5) Location: Elevation 2016' Watershed Middle Fork River
District Middle Fork County Randolph Quadrangle Cassity 7.5'

6) Well Operator Interstate Production 7) Designated Agent _____
Address Rt. 6 Box 123 Address _____
Buckhannon, WV 26201

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Bryan Harris Name Waco Oil & Gas
Address PO Box 157 Address PO Box 397
Volga, WV 26238 Glenville, WV 26351

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

Bottom hole plug 200' 4460' - 4260' TAG PLUG.

Free point 4 1/2 - plug across cut 100' min.

Cement plug 3000' - 2900'

Cement plug 2350' - 2200' (Pears)

Cement plug 500' - 400'

Surface plug 100' - surface

6% gel between all plugs

Set monument and Reclaim

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

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Work order approved by inspector

Bryan O'Harris

WV Department of Environmental Protection
Date 11/13/15

01/01/2016



Date February 11, 1985
Operator's _____
Well No. A-1394
Farm Coffey-Iacotti
API No. 47 - 083 - 0840

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL and GAS DIVISION
WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: OIL / GAS X / LIQUID INJECTION / WASTE DISPOSAL /
(If "Gas", Production / Underground Storage / Deep / Shallow XX /)
LOCATION: Elevation: 2016' Watershed Middle Fork River
District: Middle Fork County: Randolph Quadrangle: Cassity 7.5'

COMPANY ALAMCO, INC
200 West Main Street
ADDRESS Clarksburg, West Virginia 26301
DESIGNATED AGENT ALAMCO, INC
200 West Main Street
ADDRESS Clarksburg, West Virginia 26301
SURFACE OWNER Willie E. Coffey, et al
ADDRESS 3012 Woods End Drive, Joppa, MD 21085
MINERAL RIGHTS OWNER Willie E. Coffey, et al
ADDRESS 3012 Woods End Drive, Joppa, MD 21085
OIL AND GAS INSPECTOR FOR THIS WORK Robert
Stewart ADDRESS P.O. Box 345, Jane Lew, WV
PERMIT ISSUED November 16, 1983
DRILLING COMMENCED December 19, 1984
DRILLING COMPLETED December 28, 1984

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
11-3/4"	37'	37'	
9 5/8"			
8 5/8"	471'	471'	to surface
7"			
5 1/2"			
4 1/2"	4460'	4460'	w/180 sks 1250'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk DEPTH 4700 FEET
Depth of completed well 4575 feet Rotary X / Cable Tools _____
Water Strata depth: Fresh 16 & 188 feet Salt _____ feet
Coal seam depth: None listed Is coal being mined in this area? No

OPEN FLOW DATA
Producing formation 1st Elk, Riley, Balltown Pay zone depth See Back feet
Gas: Initial open flow 42 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 1005 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1400 psig (surface measurement after 456 hours shut-in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth 01/01/2016 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut-in
(continue on reverse side)

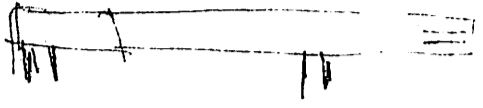
J B G

? Tug Pet
Tom
Charley ma
Kennedy

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE ETC.

Well was fractured January 9, 1985
 Perforations: 2222 - 2226
 2314 - 2322 Balltown
 2914 - 2918
 2955 - 2959 Riley
 4270 - 4278 1st Elk

Lost Crab
 ↓



WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill	0	5	5" stream of water @ 16'
Sand & Shale	5	188	2" stream of water @ 188'
Red Rock	188	535	Gas check @ 1713' No show
Sand, Shale & Red Rock	535	600	Gas check @ 2645' No show
Little Lime	600	715	Gas check @ 3046' 58 MCF/D
Big Lime	715	859	Gas check @ 4033' 42 MCF/D
Big Injun	859	960	
Sand & Shale	960	1130	
Red Rock	1130	1190	
Sand & Shale	1190	1370	
Red Rock	1370	1390	
Sand & Shale	1390	4575 T.D.	
			<u>GAMMA RAY LOG TOPS</u>
			Gordon 1388'
			4th Sand 1456'
			4th A Sand 1526'
			5th Sand 1602'
			Speechley 1712'
			Balltown 2020'
			Riley 2912'
			Benson 3091'
			1st Elk 4267'
			2nd Elk 4324'
			3rd Elk 4482'

29
28
27
84 in 85 Tug
81 Joints
1/2" Tubing

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

By:

Drew A. Pather

Date:

February 11, 1985

01/01/2016

Note: Regulation 2.02 (i) provides as follows
 "The term 'log' or 'well log' shall mean a systematic
 detailed geological record of all formations, including
 coal, encountered in the drilling of a well."

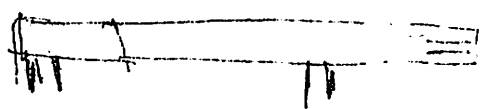
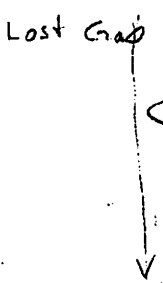
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Office of Oil and Gas
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? Tug PeT
Tom
Charley me
Kenny sl

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE ETC.

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GAMMA RAY LOG TOPS

Gordon 1388'
4th Sand 1456'
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3rd Elk 4482'

29
28
27

74 in 85 Tug

81 Joints
1/2" Tubing

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

By: Bruce A. Patten

Date: February 11, 1985

01/01/2016

Note: Regulation 2.02 (i) provides as follows
"The term 'log' or 'well log' shall mean a systematic
detailed record of all formations, including
coal encountered in the drilling of a well."

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1) Date: November 9, 2015
2) Operator's Well Number
A-1394
3) API Well No.: 47 - 083 - 0840

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>Pam Finlen</u>	Name _____
Address <u>HC 61 Box 87F</u>	Address _____
<u>Mabie, WV 26278</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Bryan Harris</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 157</u>	Name _____
<u>Volga, WV 26238</u>	Address _____
Telephone <u>(304) 553-6087</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 Interstate Production Company
 By: [Signature]
 Its: Agent
 Address 118 E. Main Street
Bridgeport, WV 26330
 Telephone (304) 472-9600

Subscribed and sworn before me this 18th day of Nov., 2015
by Stephen E. Holloway Notary Public
 My Commission Expires 27 April 2021

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Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

01/01/2016

API No.	<u>47-083-0840</u>
Farm Name	<u>Coffey-Lacotti</u>
Well No.	<u>A-1394</u>

**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 ____ / owner ____ / lessee ____ / 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: _____

N/A _____

By: _____

Its _____

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8300840P

SURFACE OWNER WAIVER

COPY

Operator's Well
Number

A-1394

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.

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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,
WV Department of
Environmental Protection

_____	_____	_____	_____
Signature	Date	Name	By
		By	_____
		Its	_____
			Date
		Signature	01/01/2016
			Date

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Interstate Production Company OP Code

Watershed (HUC 10) Middle Fork River Quadrangle Cassity 7.5'

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)
- Other (Explain Metal Pits)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.

-If oil based, what type? Synthetic, petroleum, etc.

Additives to be used in drilling medium?

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)

-Landfill or offsite name/permit number?

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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 Mike Ross, Agent

Company Official (Typed Name) Mike Ross

Company Official Title

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Subscribed and sworn before me this 13th day of Nov, 2015

by Stephen E. Holloway

My commission expires 27 APR 2021



Interstate Production Company

Proposed Revegetation Treatment: Acres Disturbed -1 Acre Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH _____

Fertilizer type _____

Fertilizer amount 750 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Meadow Mix 50

Meadow Mix 50

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: Bryan O'Hara

Comments: _____

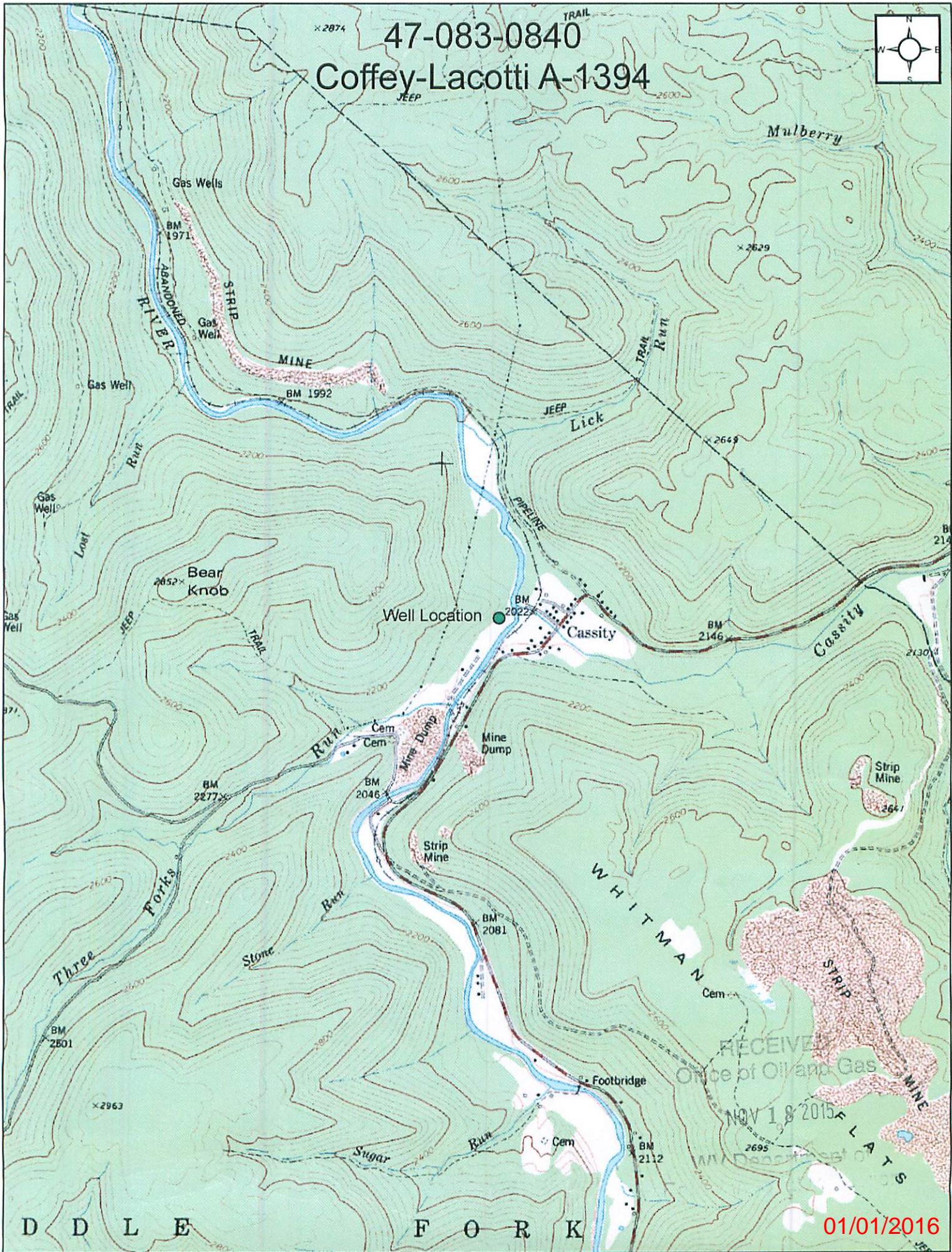
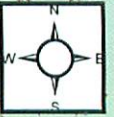
Title: Inspector

Date: 11-13-15

Field Reviewed? Yes No

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47-083-0840 Coffey-Lacotti A-1394



D D L E

F O R K

01/01/2016

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-083-0840 WELL NO.: A-1394

FARM NAME: Willie E. Coffey etal

RESPONSIBLE PARTY NAME: _____

COUNTY: Randolph DISTRICT: Middle Fork

QUADRANGLE: Cassity

SURFACE OWNER: Palma R. Finlen

ROYALTY OWNER: _____

UTM GPS NORTHING: 4297907.4457867

UTM GPS EASTING: 583505.7543836 GPS ELEVATION: 2019

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS X: Post Processed Differential ____

Real-Time Differential ____

4. **Letter size copy of the topography map showing the well location:**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Signature

Land Mgr.
Title

11-10-15
Date

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