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 penalities 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

Promoting a healthy environment.

8300840P

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.

8300840P

WW-4B
Rev. 2/01

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
Address Rt. 6 Box 123
Buckhannon, WV 26201

7) Designated Agent ____
Address ____

8) Oil and Gas Inspector to be notified
Name Bryan Harris
Address PO Box 157
Volga, WV 26238

9) Plugging Contractor
Name Waco Oil & Gas
Address PO Box 397
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' (PERFS)

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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Office of Oil and Gas
NOV 18 2015
WV Department of Environmental Protection

Work order approved by inspector Bryan O'Harris Date 11/13/15

8300840P

IV-35
(Rev 8-81)

Date February 11, 1985
Operator's
Well No. A-1394
Farm Coffey-Lacotti
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
ADDRESS 200 West Main Street, Clarksburg, West Virginia 26301

DESIGNATED AGENT ALAMCO, INC
ADDRESS 200 West Main Street, 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

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Size 20-16 Cond.			
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 _____ 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)

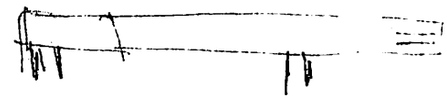
JBG

FORM IV-35
(REVERSE)

? Tug PcT
Tom
Charley ma
Kennyl

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

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



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	GAMMA RAY LOG TOPS
Sand & Shale	1190	1370	
Red Rock	1370	1390	Gordon 1388'
Sand & Shale	1390	4575 T.D.	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 or 85 Tug

81 Joints
1 1/2" Tubing

(Attach separate sheets as necessary)

ALAMCO, INC.
Well Operator

By: Bruce A. Rather

Date: February 11, 1985

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
NOV 18 2015
WV Department of Environmental Protection

8300840P

JBG

FORM IV-35
(REVERSE)

? Tug PcT
Tom
Charley me
Kenny sl

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

Well was fractured January 9, 1985
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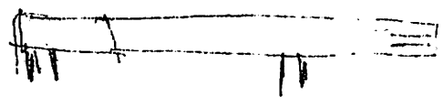

WELL LOG

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83008407

WW-4A
Revised 6-07

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 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name Pam Finlen
Address HC 61 Box 87F
Mabie, WV 26278

(b) Name
Address

(c) Name
Address

6) Inspector Bryan Harris
Address PO Box 157
Volga, WV 26238
Telephone (304) 553-6087

5) (a) Coal Operator
Name
Address

(b) Coal Owner(s) with Declaration
Name
Address

Name
Address

(c) Coal Lessee with Declaration
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 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.

OFFICIAL SEAL
COMMISSIONER FOR
WEST VIRGINIA
STEPHEN E. HOLLOWAY
GLENVILLE, WV
My Commission Expires April 27, 2021

Well Operator Interstate Production Company
By: Mike Ross, Agent
Its:
Address 118 E. Main Street
Bridgeport, WV 26330
Telephone (304) 472-9600

Subscribed and sworn before me this 13th day of Nov., 2015
Stephen E. Holloway Notary Public
My Commission Expires 27 Apr 2021

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NOV 18 2015
WV Department of
Environmental Protection

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 depprivacyoffier@wv.gov.

WW-4B

8300840P

API No. 47-083-0840
Farm Name Coffey-Lacotti
Well No. A-1394

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 then 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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NOV 18 2015

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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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WV Department of
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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.

_____ Date _____
Signature

FOR EXECUTION BY A CORPORATION,

Name _____
By _____
Its _____ Date

Signature Date

WW-9
(2/15)

83-00840P

API Number 47 - 083 - 0840
Operator's Well No. A-1394

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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Office of Oil and Gas
NOV 18 2015
WV Department of
Environmental Protection

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

by Stephen E. Holloway Notary Public

My commission expires 27 Apr 2021

OFFICIAL SEAL
COMMISSIONER FOR
WEST VIRGINIA
STEPHEN E. HOLLOWAY
GLENVILLE, WV
My Commission Expires April 27, 2021

Form WW-9

8300840P

Operator's Well No. A-1394

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? (X) Yes ( ) No

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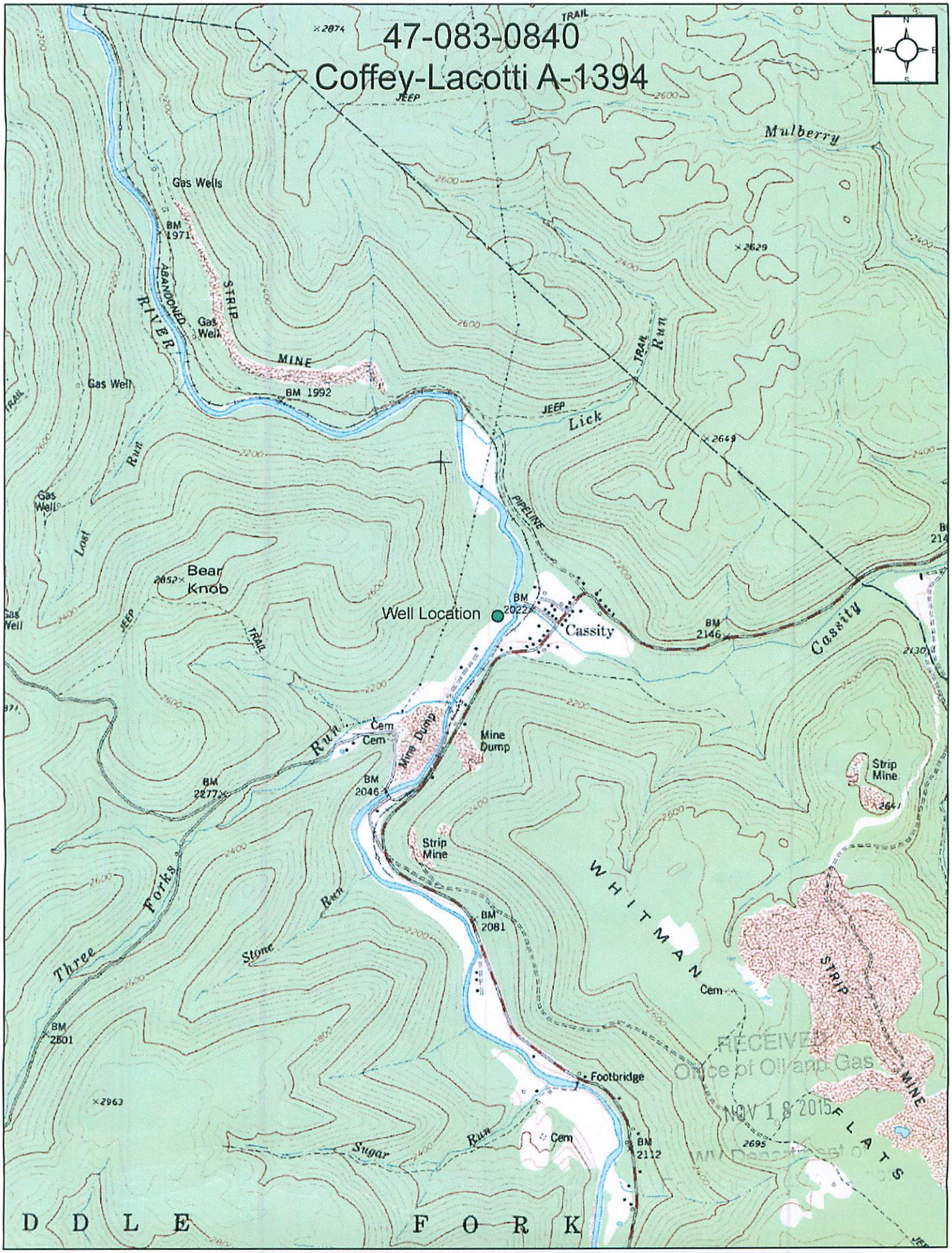
Office of Oil and Gas
NOV 18 2015

8300840P

47-083-0840
Coffey-Lacotti A-1394



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Office of Oil and Gas
NOV 18 2015
WV Department of

8300840P

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.

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NOV 16 2015
WV Department of

Land Mgr. 11-10-15

Signature Title Date