



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

August 08, 2014

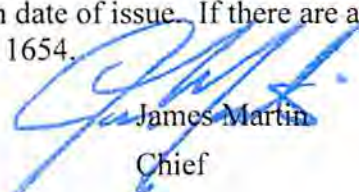
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-701422, issued to ROSS & WHARTON GAS CO INC, 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: 2
Farm Name: PERRINE, EARL FLOYD
API Well Number: 47-701422
Permit Type: Plugging
Date Issued: 08/08/2014

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.

1) Date April 1, 2014
2) Operator's Well No. Lloyd, Olive #2
3) API Well No. 47-007 - 01422

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 X or Underground storage ___) Deep ___/ Shallow X

5) Location: Elevation 1062.74 Watershed Shaver Fork of Elk River
District Otter County Braxton Quadrangle Burnsville

6) Well Operator Ross & Wharton 7) Designated Agent Mike Ross
Address Route 5 Box 29 Address PO Box 219
Buckhannon, WV 26201 Coalton, WV 26257

8) Oil and Gas Inspector to be notified
1) Bryan Harris
PO Box 157
Volga, WV 26238
9) Plugging Contractor
Name Unknown
Address _____

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

2255 - TD 2263'
Run 6% Gel between each plug
2050 - 1900 Set Cement Plug
1550 - 1450 Set Cement Plug
1100 - 1000 Set Cement Plug
100 - 0 Set Cement Plug
Set Monument with API Number

- FREEPOINT & CUT/PULL 4 1/2" CASING.
- CEMENT A MINIMUM OF 100' ACROSS CUT.
- CEMENT FROM 870' - 770'.
- CEMENT 670' - 570'

PULL CONDUCTOR IF POSSIBLE.

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

RECEIVED
Office of Oil and Gas

Work order approved by inspector Bryan O'Hara

MAY 12 2014
Date 5-7-14
WV Department of Environmental Protection
08/08/2014

FORM 1V-35 (Obverse)

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

Date: October 17, 1979

[08-78,

WELL OPERATOR'S REPORT #

Operator's Well No. Olive Lloyd, et al, #2

DRILLING, FRACURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 47 007 1422 State County Form

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas", Production X / Underground storage / Deep / Shallow X / LOCATION: Elevation: 1062.74 Watershed: Shaver Fork of Elk River District: Otter County: Braxton Quadrangle: Burnsville

WELL OPERATOR Texas International Petroleum Corp. DESIGNATED AGENT James M. Blanton Address 3535 N. W. 58th Street Oklahoma City, Oklahoma 73112 Address Suite 740, One Valley Square Charleston, West Virginia 25301

PERMITTED WORK: Drill X / Convert / Drill deeper / Redrill / Plug off old formation / Perforate new formation / Other physical change in well (specify)

PERMIT ISSUED ON July 23, 1979 OIL & GAS INSPECTOR FOR THIS WORK: Name None assigned on permit Address

GEOLOGICAL TARGET FORMATION: Squaw Depth 2100-2140 Depth of completed well, 2263 feet Rotary X / Cable Tools Water strata depth: Fresh, 820 feet; salt, Coal seam depths: None reported Is coal being mined in the area? no Work was commenced July 25, 1979 and completed July 31, 1979

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, etc.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), and REMARKS. Rows include Conductor, Fresh water, Coal, Intermediate, Production, Tubing, and Liners.

DEPT. OF MINES

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2041-2047 Gas: Initial open flow, N/M Mcf/d Oil: Initial open flow, Final open flow, 630 Mcf/d Time of open flow between initial and final tests, 4 hours Static well pressure, 200 psi (surface measurement) after 24 hours (if applicable for multiple completion--)

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MAY 12 2014 WV Department of Environmental Protection

FORM IV-35
(Reverse)

[08-78]

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

Perforated 2041-2047', 2 shots per foot. Spotted 500 gal. HCl. Loaded hole. Broke formation w/1000 PSI. Used 1000 gal. HCl to ball out. Complete ballout @ 3000 PSI. Fraced w/840 bbls. fluid (631 bbls. sand laden), 15,000# 80/100 sand, 55,000# 20/40 sand. Maximum sand concentration 3 PPG. Overflushed w/55 bbls. AIR-30.3 BPM. AIP-2115 PSI. ISIP-600 PSI, 5 minutes-600 PSI, 15 minutes-600 PSI, 30 minutes-600 PSI.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Clay			0	25	
Sand & Shale			25	175	Water @ 75'
Sand			175	300	
Shale			300	395	
Sand			395	510	
Sand & Shale			510	1835	Water @ 820'
Little Lime			1835	1865	
Sand			1865	1875	
Shale & Big Lime			1875	2080	
Sand			2080	2130	
Shale			2130	2263	T.D.

(Attach separate sheets to complete as necessary)

Texas International Petroleum Corporation
Well Operator
By James M. Blanton
Its Division Manager

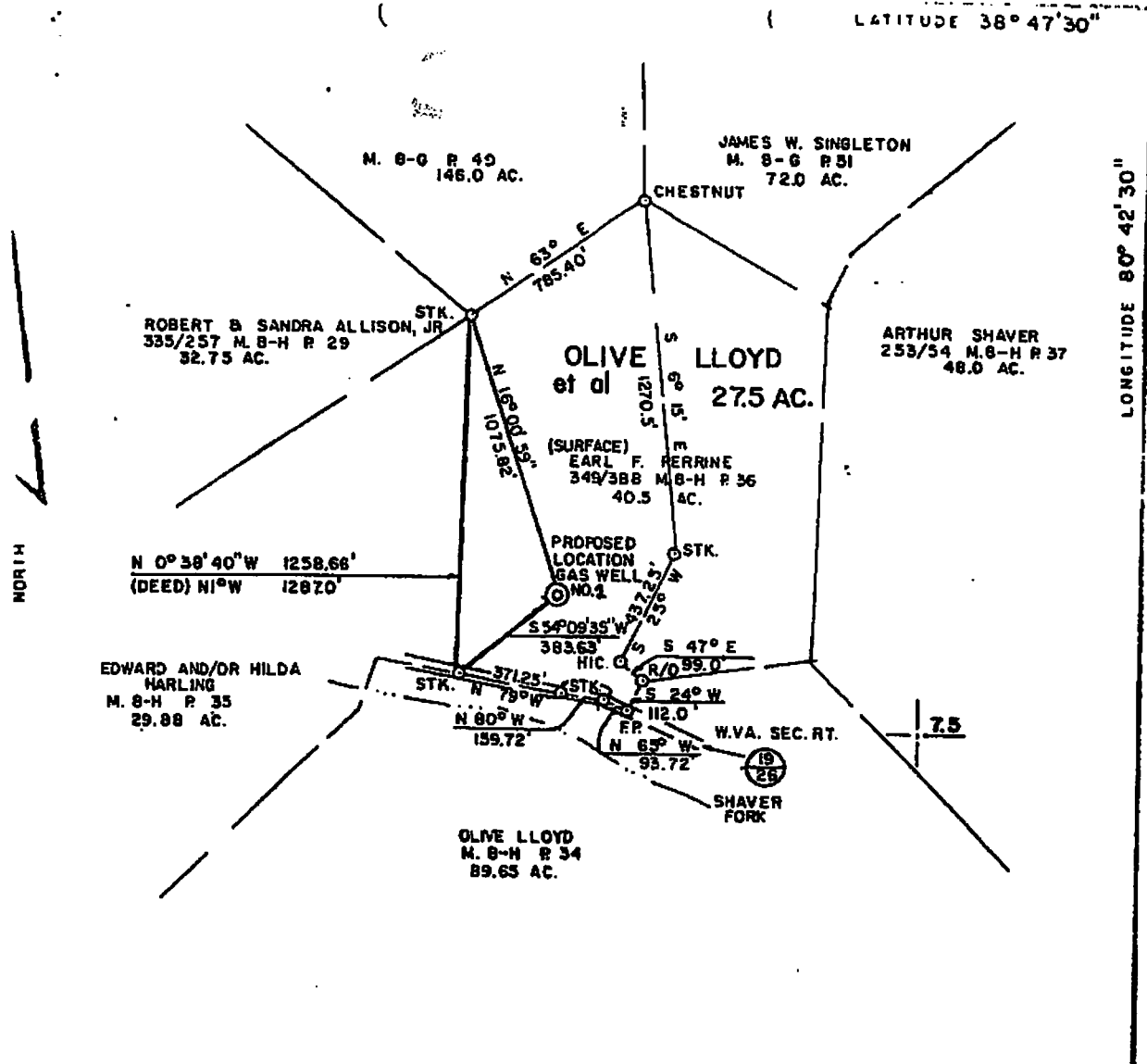
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WV Department of Environmental Protection
08/08/2014

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."



FILE NO 492
DRAWING NO. 1
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1" IN 2000
PROVEN SOURCE OF ELEVATION U.S.G.S. BM. UE 870.7

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 MINES.
(SIGNED) J.D. BRACKENRICH R.P.E. 3994

PLACE SEAL HERE

(-;-) DENOTES LOCATION OF GAS WELL ON UNITED STATES GEOLOGICAL SURVEY MAP, 7.5 MINUTE SERIES.
FORM IV-6
8-78

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE JULY, 1979
OPERATORS WELL NO. 2
API WELL NO. _____
47 - 007 - 1422
STATE COUNTY PERMIT

WELL TYPE: OR GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW X)
LOCATION: ELEVATION 1062.74 WATER SHED SHAVEN FORK OF ELK RIVER
DISTRICT OTTER COUNTY BRAXTON
QUADRANGLE BURNSVILLE

SURFACE OWNER EARL F. PERRINE ACREAGE 40.5 Office of Oil and Gas
OIL & GAS ROYALTY OWNER W.K. BENDER HEIRS & OLIVE LLOYD LEASE ACREAGE 27.5
LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE _____
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 TEXAS INTER-L. PETR. CORP. DESIGNATED AGENT JAMES M. BLANTON
ADDRESS SUITE 200 NATIONAL FOUNDATION CENTER ADDRESS SUITE 740 ONE VALLEY SQUARE
3535 N.W. 58TH ST. OKLAHOMA CITY, OKLAHOMA 73112 CHARLESTON, WEST VIRGINIA 25301

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MAY 12 2014

WV Department of Environmental Protection

08/08/2014

WW-4A
Revised 6-07

1) Date: April 1, 2014
2) Operator's Well Number
Lloyd, Olive #2
3) API Well No.: 47 - 007 - 01422

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: (a) Name Earl Floyd Perrine, Address PO Box 801 Lincoln St. Keyser, WV 26726. (b) Name, Address. (c) Name, Address. 5) (a) Coal Operator Name N/A, Address. (b) Coal Owner(s) with Declaration Name N/A, Address. (c) Coal Lessee with Declaration Name N/A, Address. 6) Inspector Bryan Harris, Address PO Box 157, Volga, WV 26238, Telephone 304-553-6087.

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 Ross & Whitton (Mike Ross Inc.)
By: Mike Ross
Its: President
Address: PO Box 219, Coalton, WV 26257
Telephone: 304-472-4289

Subscribed and sworn before me this 22nd day of April, 2014
Brenda K. Bush
My Commission Expires September 27, 2020
Notary Public
RECEIVED
Office of Oil and Gas

Oil and Gas Privacy Notice

MAY 12 2014

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 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.

08/08/2014

701422P

Mike Ross Inc.

(304) 472-4289 (Office) Box 219 Coalton, WV 26257 (304) 472-7405 (Fax)

May 7, 2014

Earl Floyd Perrine
PO Box 801 Lincoln St.
Keyser, WV 26726

Re: Lloyd, Olive #2 Plugging Permit

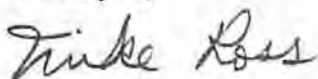
Dear Earl:

Mike Ross Inc. is in the process of applying for a permit to plug the above referenced well. Enclosed are copies of the Notice and Application for well plugging permits and the location plats.

Please note the instructions on the surface owner waiver. If you have no objection to the plugging being done, please sign the waiver and return it to our office.

If you have any questions, please do not hesitate to contact this office.

Thank you,



Mike Ross Inc.

7011 2000 0001 2588 0241

U.S. Postal Service TM		
CERTIFIED MAILTM RECEIPT		
<i>(Domestic Mail Only; No Insurance Coverage Provided)</i>		
For delivery information visit our website at www.usps.com		
OFFICIAL USE		
Postage	\$ 0.90	5/9/14
Certified Fee	3.30	RECEIVED
Return Receipt Fee (Endorsement Required)		Office of Oil and Gas
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.90	MAY 12 2014
Sent To	WV Department of Environmental Protection	
Street, Apt. No., or PO Box No.	Earl Floyd Perrine PO Box 801 Lincoln St.	
City, State, ZIP+4	Keyser, WV 26726	
PS Form 3800, August 2005		See Reverse for Instructions

08/08/2014

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 Ross & Wharton (Mike Ross Inc.) OP Code 305680

Watershed Shaver Fork of Elk River Quadrangle Burnsville

Elevation 1062.74 County Braxton District Otter

Description of anticipated Pit Waste: Plugging Fluid

Will a synthetic liner be used in the pit? ~~No~~ 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
- Other (Explain _____)
- Swabbing
- Plugging

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*

Company Official (Typed Name) Mike Ross

Company Official Title President

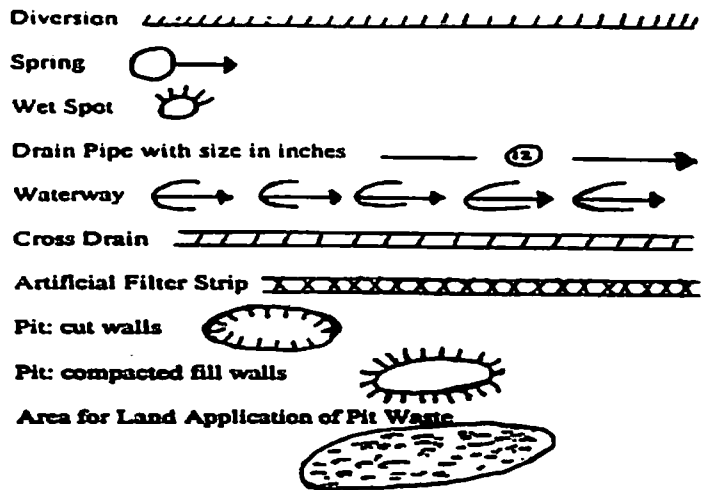
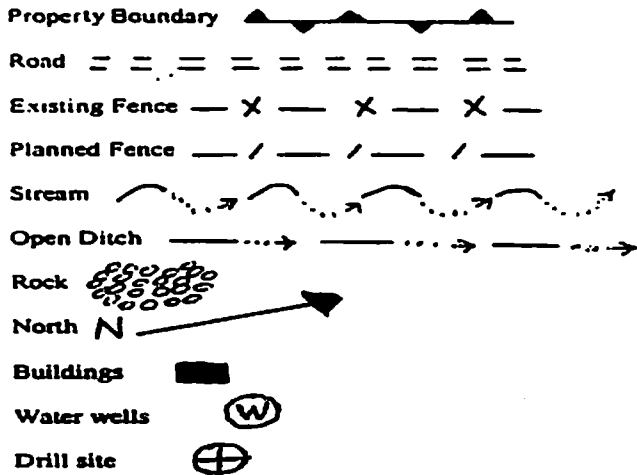
Subscribed and sworn before me this 22nd day of April, 2014

Brenda K Bush

My commission expires September 27, 2020



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1 Acre Prevegetation pH 6.5
 Lime 2 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 50% lbs/acre (500 lbs minimum)
 Mulch _____ Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Fescue			
Contractors Mix			

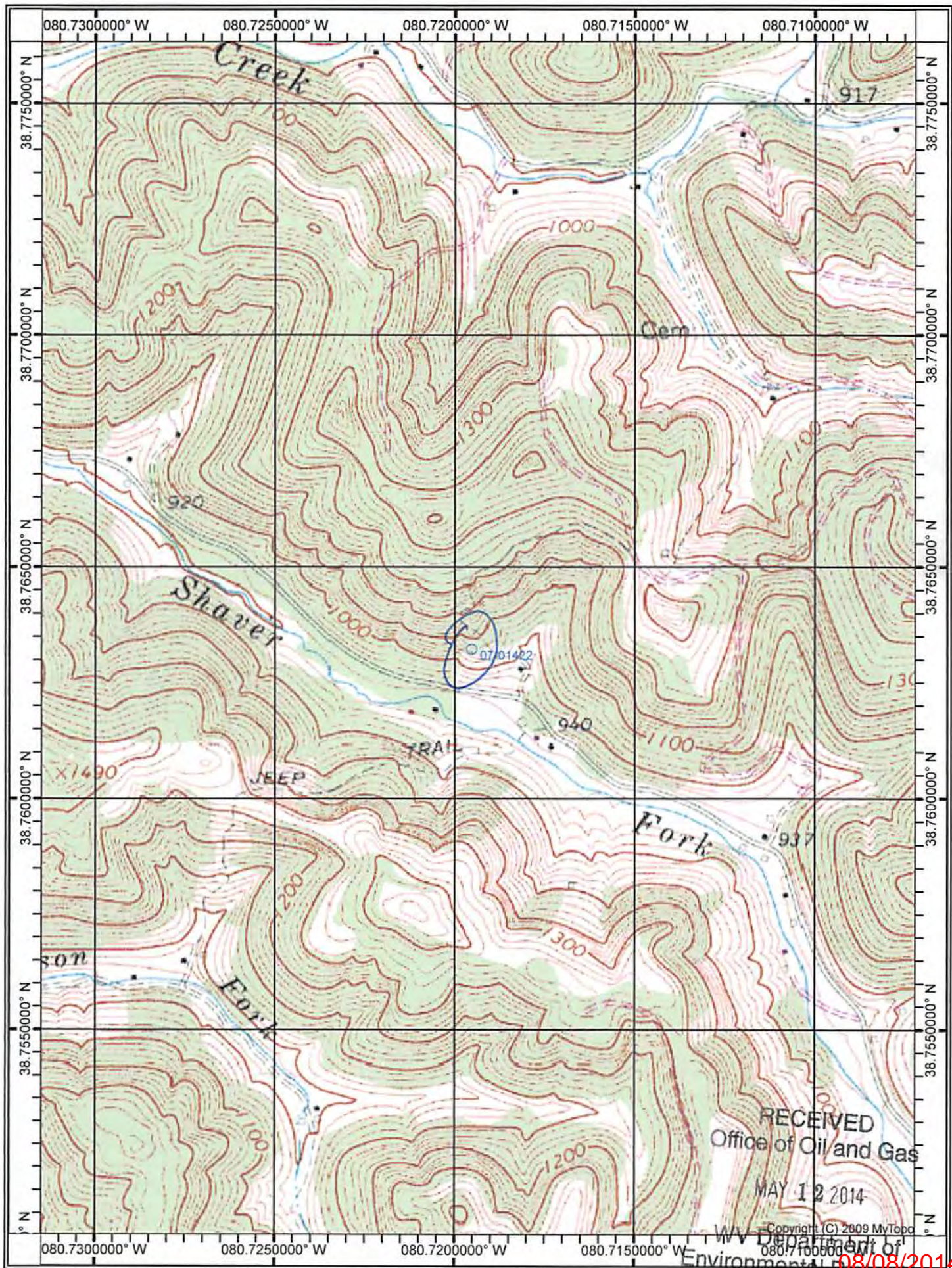
Attach:
 Drawing(s) of road, location, pit and proposed area for land application.
 Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas O'Hanrahan 5-7-14
 Comments: _____

Title: President Date: April 1, 2014
 Field Reviewed? () Yes () No

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 Office of Oil and Gas
 MAY 12 2014
 WV Department of Environmental Protection
 08/08/2014

701422#
1422



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Office of Oil and Gas
MAY 12 2014

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WV Department of Environmental Protection
08/08/2014



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

API: 47-007-01422 WELL NO.: 2

FARM NAME: Lloyd, Olive

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Otter 3

QUADRANGLE: Burnsville 272

SURFACE OWNER: Earl Floyd Perrine

ROYALTY OWNER: Early Floyd Perrine

UTM GPS NORTHING: 4290552.1

UTM GPS EASTING: 524366.6 GPS ELEVATION: 1062.74

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 ____ : 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.

Mike Ross President
Signature Title

RECEIVED
Office of Oil and Gas
April 12, 2014

Date
WV Department of Environmental Protection
08/08/2014