



---

**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

October 22, 2013

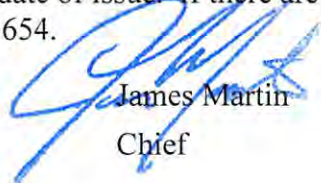
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4301546, issued to HG ENERGY, LLC, 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: ROXIE PAULEY 3  
Farm Name: MOSTELLER, TERRY ,. ET AL  
**API Well Number: 47-4301546**  
**Permit Type: Plugging**  
Date Issued: 10/22/2013

**Promoting a healthy environment.**

**10/25/2013**

## 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: August 13, 2013  
2) Operator's Well Number  
Roxie Pauley No. 3  
3) API Well No: 47 - 043 = 1546  
State County Permit

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  Liquid Injection  Waste Disposal   
(If "Gas", Production  Underground Storage  ) Deep  Shallow   
5) LOCATION: Elevation: 879' Watershed: Hayzlett Fork  
District: Duval County: Lincoln Quadrangle Garrett's Bend 7.5'  
6) WELL OPERATOR: East Resources, Inc. 308122 7) DESIGNATED AGENT Philip S. Ondrusek  
Address 5260 Dupont Road Address 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101  
8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR  
Name Ralph Triplett Name Petty Well Services  
Address 5539 McClellan Hwy Address  
Branchland, WV 25506

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

CASING	
8 5/8"	263'
4 1/2"	2,436'

TD - 2,450'  
Plug No. 1 2,380' - 2,280'  
Rip & pull 4 1/2" casing @ 2,000'  
Plug No. 2 2,020' - 1,800'  
Plug No. 3 1,150' - 1,050'  
Plug No. 4 300' - 200'  
Plug No. 5 100' - Surface

ROT  
08/16/13  
RECEIVED  
Office of Oil and Gas  
AUG 20 2013  
WV Department of  
Environmental Protection

Erect Monument with API No. per regulations  
Note: 6% Gel between all cement plugs.  
Cement Plugs are Class A, Regular Neat Cement  
Cement tops will be tagged  
All attempts will be made to recover as much casing and tubing as possible

OFFICE USE ONLY

PLUGGING PERMIT

Permit Number \_\_\_\_\_ Date \_\_\_\_\_ 19 \_\_\_\_\_

This permit covering the well operator and the well location shown below is evidence of permission granted to plug in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector 24 hours before actual work has commenced.

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires \_\_\_\_\_ unless plugging is commenced prior to that date and prosecuted with due diligence 10/25/2013

4301546P

Fritz  
Kesch

PENNZOIL COMPANY  
NEW WELL REPORT

LEASE No. 79591 155 ACRES WORKING DISTRICT Southern Area  
Roxie Pauley FARM Map No. 124-W  
Duval DISTRICT OR TOWNSHIP WELL No. 3 N. 78 E. W. 72  
Lincoln COUNTY St. Albans QUAD.  
 LOCATION MADE June 19, 1974 DRILLING COMMENCED July 3, 1974  
 DRILLING EQUIPMENT USED  SPUDDER  ROTARY DRILLING COMPLETED July 7, 1974  
 DRILLING EQUIPMENT FURNISHED BY F. W. A. Drilling Co. TOTAL DEPTH 2430' SAND Berea  
 ELEVATION: FLOOR 858.34 DRILLING CONTRACTOR F. W. A. Drilling Co.  
 ELEVATION: GROUND 860.34 WORK ORDER No. 70-24585-1

FORMATION RECORD

KIND	TOP	BOTTOM	STEEL LINE MEAS.	TEST	KIND	TOP	BOTTOM	STEEL LINE MEAS.	TEST
Substructure	0	8							
lock	8	250							
hale	250	1250							
alt Sand	1250	1576							
hale	1576	1594							
and	1594	1640							
ittle Lime	1640	1677							
encil Cave	1677	1682							
ig Lime	1682	1841							
cCrady Shale	1841	1880							
ocono Injun	1880	1931							
hale	1931	2005							
eir Sand	2005	2069							
hale	2069	2332							
offee Shale	2332	2353							
area	2353	2376							
hale	2376	2430							
Total Depth		2430							
Logged by	Basin	July 26, 1974 to 2392'							
		Perforated 20 Shots 2362-2367							
	6 3/4" Hole								

RECEIVED  
Office of Oil and Gas

OCT 15 2013

WV Department of  
Environmental Protection

(OVER)

4301546P

NEW WELL REPORT - CONTINUED

INITIAL TORPEDO RECORD	CASING AND TUBING RECORD							
	DATE OF SHOT	SIZE	PUT IN WELL			PULLED OUT		
			TRANSFER NO.	FEET	INCH	TRANSFER NO.	FEET	INCH
Name of Torpedo Co.	8 5/8		240	60				
No. of Quarts	4 1/2		2433	37				
Length of Shell								
Diameter of Shell								
Length of Anchor								
Top of Shot								
Bottom of Shot								
Feet of Fluid in Hole When Shot								
Results:								

INITIAL PRODUCTION FIRST 24 HOURS				KIND	SIZE	DEPTH SET	DATE SET
Open Flow	/10ths Water in	_____	Inch	Permoco St. Sh.	8 5/8	247.01	KB 7-3-74
	/10ths Merc. in	_____	Inch	Baker Guide Sh.	4 1/2	2428.00	KB 7-7-74
Volume	_____	_____	Cu. Ft.				
Rock Pressure	_____	_____	lbs.				
Oil	_____	_____	bbls., First 24 hrs.				

ACIDIZATION OR FRACTURING RECORD	
DATE WELL ACIDIZED	_____
DATE WELL FRACTURED	7-26-74
NAME OF COMPANY	Dowell
(List below materials used in Acidizing or Fracturing, i.e., Sand, Crude Oil, Gasoline, Water, Kerosene, Mottballs, Acid, etc., giving gallons, barrels and pounds.)	
	528 Bbls. Crude Oil
	20,000 Lbs. 20/40 Sand
	500 Gal. 19% HCL Acid
	55 Gal. Para Thin Solvent
	4 W-9
BREAKDOWN PRESSURE	1000#
PUMPING PRESSURE	Max. 3350# Min. 2000#
AVERAGE PUMPING RATE/MINUTE	21 Bbls.
PUMPING TIME	_____
RESULT AFTER TREATMENT	GAS _____ CU. FT.
	OIL _____ BBLS.
ROCK PRESSURE AFTER TREATMENT	_____ LBS.

CASING CEMENTED	
8 5/8 SIZE	247.01 FT. KB 7-3-74 DATE
BAGS USED	175 SKs Neot Cement 3% CC.
4 1/2 SIZE	2428 KB FT. 7-7-74 DATE
BAGS USED	500 Gal. Mud Flush 50 SKs 50/50 Poz-Mix 2% CC.
SIZE	FT. DATE
BAGS USED	
SIZE	FT. DATE
BAGS USED	
TOP DEPTH OF CEMENT SHOWN BY TEMPERATURE LOG	

REMARKS: Logged by Basin 7-26-74 to 2392 ft.  
 Preforated 20 Holes 2362-2367

RECEIVED  
 Office of Oil and Gas

OCT 15 2013

WV Department of  
 Environmental Protection

APPROVED  
*B. J. Delantoni*

SUPERINTENDENT

10/25/2013

WW-4A  
Revised 6-07

OCT 15 2013

- 1) Date: August 13, 2013
- 2) Operator's Well Number  
Roxie Pauley No. 3
- 3) API Well No: 47 - 043 - 1546  
State County Permit

WV Department of  
Environmental Protection

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

check # 2351  
\$ 100.00

- 4) Surface Owner(s) to be served:
  - (a) Name Sandra Rogers Broyles ✓  
Address 1909 Garrett's Bend Road  
Sod, WV 25564
  - (b) Name Terry Mosteller ✓  
Address Route 1, Box 628  
Sod, WV 25564
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Ralph Triplett  
Address 5539 McClellan Hwy  
Branchland, WV 25506  
Telephone 389-0350

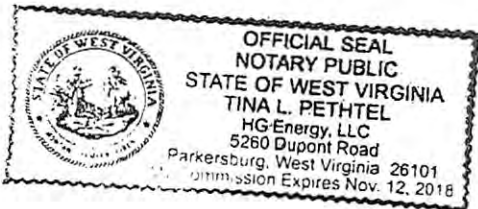
- 5) (a) Coal Operator:  
Name NA  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name NA  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address NA

TO THE PERSON(S) 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 and its location and the plugging work order; and
- 2) The plat (surveyor's map) showing the well location on Form WW-6

The reason you have received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse 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 East Resources, Inc.

By: Diane C White Diane C. White  
 Its: Accountant  
 Address 5260 Dupont Road  
Parkersburg, WV 26101  
 Telephone (304) 420-1119

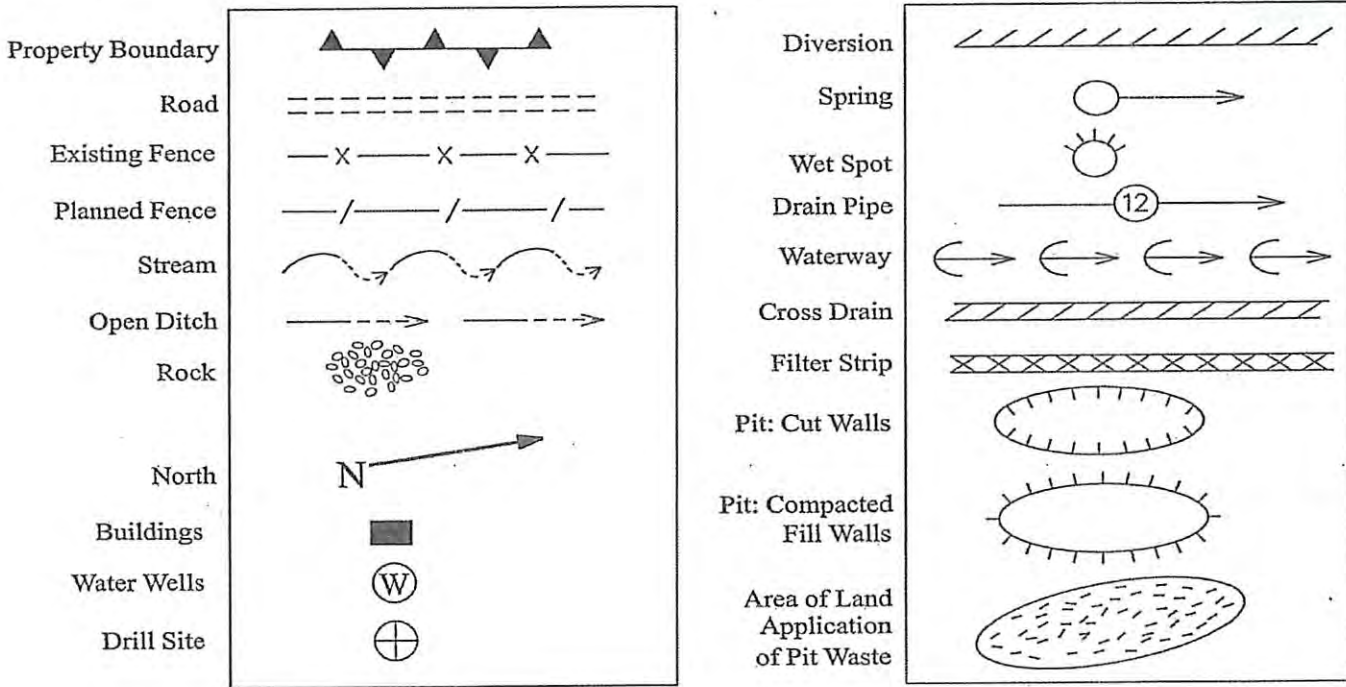
Subscribed and sworn before me this 13 day of August 2013

Tina L Pethel Notary Public

My Commission Expires Nov 12, 2018



Legend



Proposed Revegetation Treatment: Acres Disturbed Area I Approx. 0.5 Ac. Prevegetation pH \_\_\_\_\_

Area II Approx. 0.6 Ac.

Lime 2 Tons/Acre or Correct to pH 6.5

Fertilizer (10-20-20 or Equivalent) 500 Lbs./Acre (500 lbs. Minimum)

Mulch Straw 2 Tons/Acre

SEED MIXTURES

<u>Area I (Location)</u>		<u>Area II (Road)</u>	
Seed Type	Lbs./Ac.	Seed Type	Lbs./Ac.
Tall Fescue	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	5

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

Plan Approved by: Raeel D. Tripoll

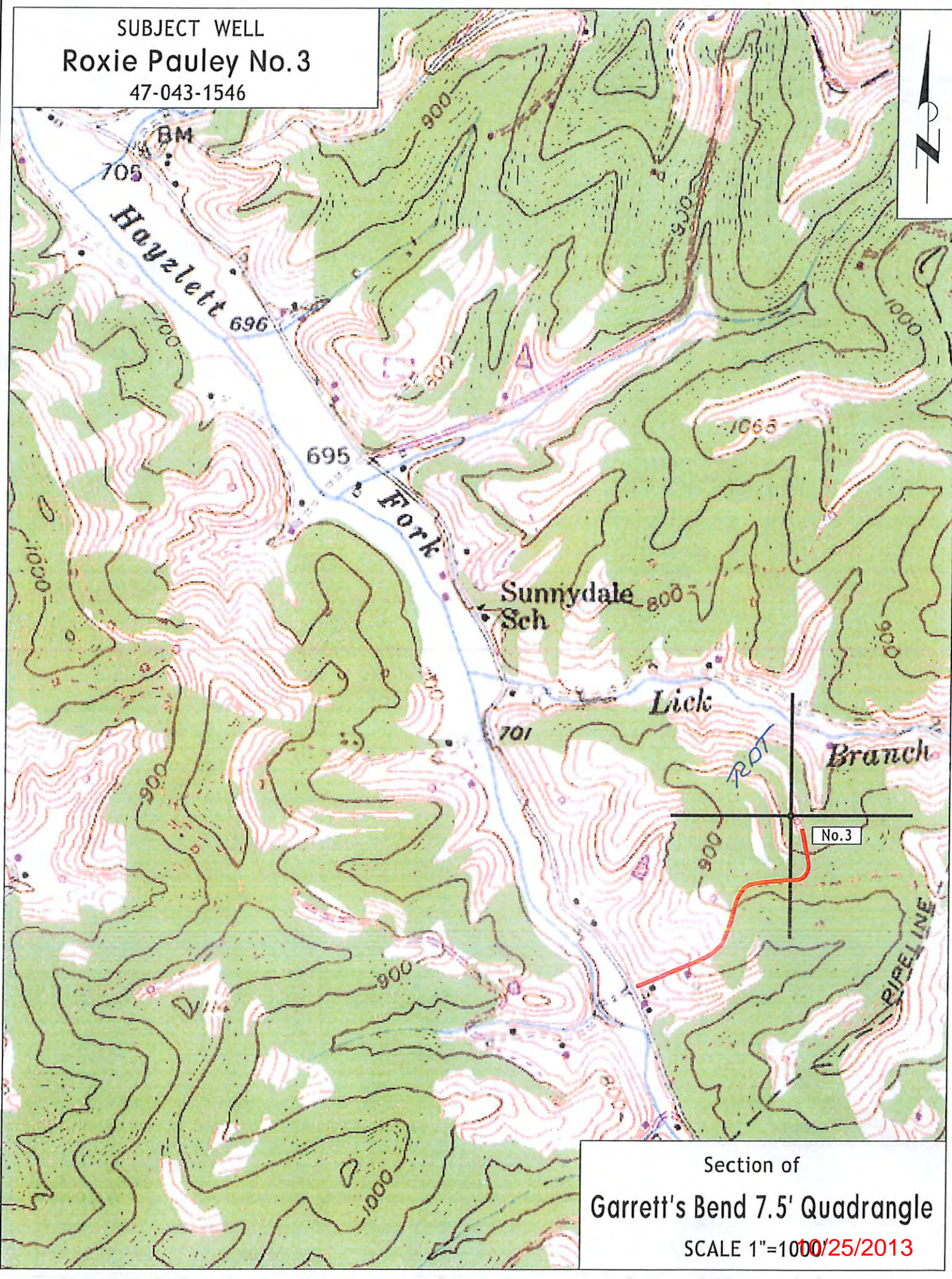
Comments: \_\_\_\_\_

Title: District Inspector Date: August 16, 2013

Field Reviewed? Yes \_\_\_\_\_ No \_\_\_\_\_



SUBJECT WELL  
**Roxie Pauley No.3**  
47-043-1546



Section of  
**Garrett's Bend 7.5' Quadrangle**  
SCALE 1"=1000'  
01/25/2013



4301546P



**HG Energy, LLC**  
5260 Dupont Road  
Parkersburg, WV 26101  
(304) 420-1100 - Office  
(304) 863-3172 - Fax

RECEIVED  
Office of Oil and Gas

OCT 15 2013

WV Department of  
Environmental Protection

August 13, 2013

Mr. Jeff McLaughlin  
WVDEP - Division of Oil & Gas  
601 57<sup>th</sup> Street  
Charleston, West Virginia 25304

RE: Roxie Pauley No. 3 (47-043-1546)  
Duval District, Lincoln County  
West Virginia

Dear Mr. McLaughlin:

Enclosed are Forms WW-4(A), WW-4(B), WW-9, and WW-7, topo map, well record, copy of certified mailing receipt and a check in the amount of \$100.00 to cover the permit fee to plug and abandon the above-captioned well.

Very truly yours,

Diane C. White

Enclosures

cc: Terry Mosteller – Certified  
Sandra Rogers Broyles - Certified  
Ralph Triplett - Inspector

10/25/2013