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**west virginia** department of environmental protection

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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

November 12, 2013

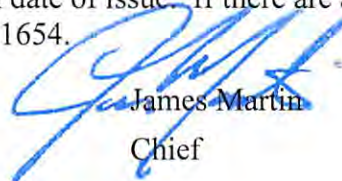
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3302412, issued to HOWARD, LORNA AGENT, 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: Q  
Farm Name: HARRISON COUNTY SCHOOL B  
**API Well Number: 47-3302412**  
**Permit Type: Plugging**  
Date Issued: 11/12/2013

**Promoting a healthy environment.**

## 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

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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.

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 960' Watershed West Fork River  
District CLAY 02 County Harrison 33 Quadrangle Shinnston NE 1/4 606

6) Well Operator Lorna Howard Gas Account, LLC 7) Designated Agent Roger McIntyre  
Address P.O. Box 607/301 Lyndon St., 301 Lyndon Street Address P.O. Box 607/301 Lyndon St., 301 Lyndon Street  
Lumberport, WV 26386 Lumberport, WV 26386

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Samuel Howard Ward Name Hydrocarbon Well Services  
Address P.O. Box 2327 Address 2934 Old Weston Road, PO Box 995  
Buckhannon, WV 26201 Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:  
Pull 2 and 3/8th tubing with packer, TD Well at 2550', Run 2525' of 2 3/8th tubing  
Set a 200' plug up 2320', Run gel from 2320' to 2166', Set a 100' plug from 2166' to 2066'  
Run gel from 2066' to 1652', Set cement plug from 1652' to 1552', Run gel from 1552' to 1010'  
Run cement plug from 1010' to 910', cover salt sand and elevation,  
Run gel from 910' to 200', Run cement plug from 200' to surface  
Free point the 6 and 5/8ths casing and attempt to pull.  
Set monument to DEP specifications and reclaim

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

Work order approved by inspector S. Howard Date 11/7/2013



LATITUDE 39°-22' 45" ±

3302412P



LINCOLN HIGH SCHOOL IS 200' FROM well p.m.c

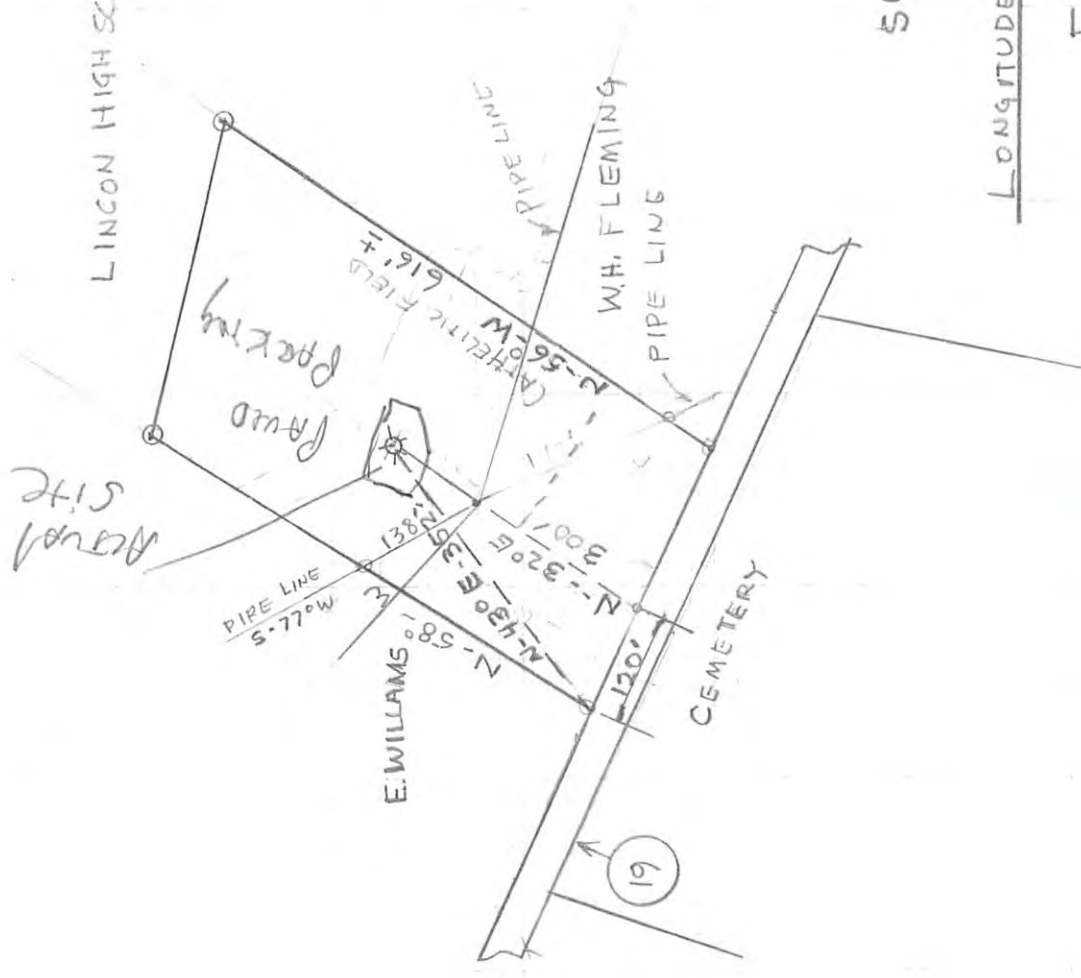
SURFACE - LINCOLN HIGH SCHOOL

LONGITUDE 80°-18'

EAGLE WELL Q

J.J. KIEMS

SCALED FROM MAP TR-1 & PIPE LINE DWG. PAG 137 SCALE 1" = 200'



WELL DRILLED 1911

CLARKSBURG QUADRANGLE NE 1/4 7.5 MINUTE TOPOGRAPHIC SHINUSTON QUADRANGLE SHOWN OIL WELL

UTM E 559444.9  
N 4359265.0

original map 10/2013

Black Murry - Kiem

	Top	oil	gas	Water	
Pittsburg coal	150			158	
1st salt sand	932			996	
2nd " "	1116			1190	
Big lime	1520		2	1600	
" injun	1600		1602	1710	1/10 mercury in 2 "
50 ft	2070		2	2100	shot with 20 gts in injun
30 ft	2168		2116	2175	at 1602
London	2350			2370	1/2 mercury in 2 "
4th	2415	oil		2425	10
5th	2547	1580		2561	
		2555			
	:				

Total depth 2570

Casing

203 ft	8 1/4 "
1520 "	6 5/8 "

Iron derrick and pumping outfit,  
 2570 ft of 2" tubing, and iron tank.

Total depth 2570

From original Records  
 1911

RECORD

Result SHEET

TIW  
6/27/54  
W  
3302412A

Ind of Formation	Name of Formation	Hard - Soft Broken - Gritty	Top	Bottom	Enter Depth of all Gas-Oil-Water Casings
Coal	152				Well log by apt 8 - 1954
Iron	1600				Run 5.5 gts 5.5 - apr 11
Gas		1602			1151 ft set on desk
Soft	2106				Packet - Made 3 Hrs water
Gas		2116			week before run 5'
5/4	2547-61				hole bridged 1830'
Oil		2550-5			June 19 - Bridged out run down to 2500 100 ft water hole

VINCE  
DOWN  
HOLE

ma McLaughlin from  
original Drillers log.

Roy McInnis

matched WUGES information.

FROM ORIGINAL Log

Book - opened and  
copied

Blackberry - Kern

	Top	ft	gas	Water	
Pittsburg coal	150			158	
1st water sand	932			946	
2nd " "	1116			1190	
Big lime	1520		2-	1600	
" iron	1600		1602	1710	1/2 mercury in 2"
50 ft	2070		2-	2100	shot with 20 gts in engine
30 ft	2168	1	2116	2145	at 1602
London	2350			2370	1/2 mercury in 2"
4 ft	2415	2		2425	10
5 ft	2547	2560 2555		2561	
					Total depth 2570

Casing		
203	ft	8 1/4"
1520	"	6 3/8"

Iron derrick and pumping outfit,  
2570 ft of 2" tubing, and iron tank.

Total depth 2570

From original RECORDS  
1911

3302412A

Weston  
(304) 260-3960

MILLER SUPPLY of W. VA., INC.  
P.O. BOX 786  
WOOSTER, OHIO 44691

Glenville  
(304) 462-5726

J & M McLaughlin  
John W. McLaughlin  
WV. GOV

Date 3-29-88 Inv. No. \_\_\_\_\_  
Name TRIS - KEINS Well  
Size and Kind 2 3/8" Tubing

PANY

DUCTIONS

From:  
Roger McInroy  
Roger McInroy @  
Adl. Co  
306720340

No.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	29	40								
2	34	00								
3	34	00								
4	27	50								
5	28	30								
6	34	00								
7	28	25								
8	27	60								
9	27	45								
10	33	55								
11	28	60								
12	32	00								
13	34	00								
14										
15										
16										
17										
18										
19										
20										
Total	398	65								

PACKERS

at the top of the packer.

to the weight of the tubing.

to turn the packer.

ing operation must be

the left (counter clock-  
and neoprene. The weight  
wall and expands the neoprene

ory steps are required.

ng a well, care should  
r to prevent the siezing  
wise, difficulty could

Tallied By \_\_\_\_\_

Received By FROM YIELD STOCK

Lease \_\_\_\_\_

IMPORTANT\*\*\*\*\*

REMOVE WIRE FROM SLIPS BEFORE RUNNING PACKER!!!!!!



3302412P

TRIO PETROLEUM CORP.  
BOX 35E RT. 76

GLENVILLE  
WV 26351

Serving The Industries...



P.O. DRAWER 260  
WESTON, W.VA. 26452  
304/269-6205  
WEST VIRGINIA 1-800-352-3867

NUMBER	DATE	PAGE
241113	03-31-88	1



COFSCO INCORPORATED  
CORPORATE PROCESSING DEPT.  
COLUMBUS, OHIO 43271-0921

TERMS: 2% 10 DAYS - NET 30 DAYS

SHIP TO

TRIO PETROLEUM CORP.  
BOX 35E RT. 76

GLENVILLE  
WV 26351

CUSTOMER	SHIP TO	CUSTOMER REFERENCE	OUR ORDER	ORDER DATE	SLS-MN	SHIP DATE	SHIP VIA	LEASE & WELL	RIG	
922861	00	BOB	239971	03-29-88	37	03-29-88		KEIMS WELL		
QUANTITY	PRODUCT NUMBER	DESCRIPTION					U/M	UNIT PRICE	NET AMOUNT	*
1.00		5 1/2X2 3/8 10RD HOOK WALL PACKER PARMACO THANKS, FOR THINKING COFSCO					EA	355.00	355.00	
<p><b>RECEIVED</b> APR 6 1988</p>		<p>TRIO PETROLEUM CORP. GLENVILLE, WV</p>		<p>APPROVED BY:</p>		<p>DATE ENTERED:</p>	<p>DATE DUE:</p>	<p>ACCOUNT:</p>	<p>API #:</p>	
		<p>LEASE:</p>	<p>G/L #:</p>	<p>CHK #:</p>	<p>DATE PAID</p>					
<p>CASH DISCOUNT OF 7.10 MAY BE TAKEN IF PAID BY: 04-10-88</p>		GROSS	DISCOUNT	NET	OTHER CHARGES	TAX	INVOICE AMOUNT		* ITEM IS TAXABLE	
		355.00	.00	355.00	.00	.00	355.00			

Cash discounts will be allowed only within the discount period. Finance charges of 2% per month (26.82% annually) will be charged on all past due amounts where permitted by applicable State and Federal law. Otherwise, finance charge shall be the maximum amount permitted by law.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

DEPARTMENT OF MINES, OIL AND GAS DIVISION

FORM IV-35 (Obverse)

Operator's J.J. Keims Well No. 0

[08-78,

WELL OPERATOR'S REPORT OF

API Well No. 47 - 033 241 State County Fe

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

2412

WELL TYPE: Oil \_\_\_ / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ (If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 1060 Watershed: West Fork River District: Clay County: Harrison Quadrangle: Clarksburg NE 1/4

WELL OPERATOR Eagle Gas Company DESIGNATED AGENT Lorna Hill Address 211 Main Street Lumberport, W. Va. 26386

PERMITTED WORK: Drill \_\_\_ / Convert \_\_\_ / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ Plug off old formation \_\_\_ / Perforate new formation \_\_\_ Other physical change in well (specify) \_\_\_

PERMIT ISSUED ON \_\_\_ 19 \_\_\_ OIL & GAS INSPECTOR FOR THIS WORK: Name \_\_\_ Address \_\_\_

GEOLOGICAL TARGET FORMATION: Fifth Sand Depth 2547 feet Depth of completed well, 2570 feet Rotary \_\_\_ / Cable Tools X Water strata depth: Fresh, N/A feet; salt, N/A feet. Coal seam depths: 150 Is coal being mined in the area? \_\_\_ Work was commenced N/A, 19 11, and completed N/A, 19 11

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Disc, Sizes, Depths set, Perforations: Top, Bottom)

OPEN FLOW DATA

Producing formation Thirty Foot Pay zone depth 2108 feet Gas: Initial open flow, N/A Mcf/d Oil: Initial open flow, N/A Bbl/d Final open flow, n?a Mcf/d Final open flow, N/A Bbl/d Time of open flow between initial and final tests, \_\_\_ hours Static rock pressure, N/A psig (surface measurement) after \_\_\_ 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

(Reverse)

[08-18]

Keims Well  
Well #Q

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

033-2412

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all free gas and salt water, coal, oil and sand
Pittsburgh Coal			150'	158'	
Thin Salt Sand			932	996	
Thin Salt Sand			1116	1190	
Thin Lime			1520	1600	
Thin Injun			1600	1710	Gas 1602
0 ft.			2070	2100	
0 ft			2180	2143	Gas 2116
Ordovician			2350	2370	
Thin			2415	2425	
Thin			2547	2561	Oil 2550 2555
Total Depth				2570	

(Attach separate sheets to complete as necessary)

Eagle Gas Company  
 Well Operator  
 By James Hill  
 Its Chief Executive Officer

**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."

WW-4A  
Revised 6-07

1) Date: 10/20/2013  
2) Operator's Well Number Q  
3) API Well No.: 47 - 033 - 02412

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

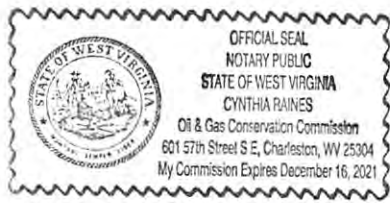
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>HARRISON COUNTY SCHOOL BOARD</u>	Name <u>CONSOLIDATED COAL COMPANY</u>
Address <u>1 E.B. SAUNDERS WAY</u>	Address <u>1 BRIDGE STREET</u>
<u>CLARKSBURG, WV 26301</u>	<u>MONONGAH, WV 26554</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>CONSOLIDATED COAL COMPANY</u>
(c) Name _____	Address <u>NPDES # WV 0093505</u>
Address _____	<u>1 BRIDGE STREET</u>
6) Inspector <u>SAMUEL WARD</u>	Name <u>MONONGAH, WV 26554</u>
Address _____	Address _____
Telephone <u>304-389-7583</u>	(c) Coal Lessee with Declaration
	Name <u>N/A</u>
	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.



Well Operator LORNA HOWARD GAS ACCOUNT, LLC (HOWARD, LORNA AGENT)  
 By: ROGER W. MCINTYRE  
 Its: ITS OPERATIONS MANAGER  
 Address P.O. BOX 607, 301 LYNDON STREET  
LUMBERPORT, WV 26386  
 Telephone 304-672-0340

Subscribed and sworn before me this 8th day of November, 2013  
Cynthia Raines Notary Public  
 My Commission Expires 12-16-2021

**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](mailto:depprivacyoffier@wv.gov).



**SURFACE OWNER WAIVER**

Operator's Well  
Number

47-033-02412 P

**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 57<sup>th</sup> 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.

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,

Michael S. Queen  
Signature

Date 10-31-13

Name Michael Queen

By HARRISON COUNTY SCHOOL BOARD

Its PRESIDENT

Date 10-31-13

Signature

Date



WW-4B

API No. 47-033-02412 P  
Farm Name MURRAY, W.C.  
Well No. Q

**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 X / owner X / 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: 11-12-13

Ronnie Harsh  
By: Ronnie Harsh  
Its Agent

The owner of coal and operation are both consolidated into coal, however coal is mined out

State of West Virginia  
County of Marion

November 12, 2013  
DATE

Janet L. Lieving  
NOTARY  
My Commission Expires June 13, 2014



3302412P

WW-9  
Rev. 5/08

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. \_\_\_\_\_

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 LORNA HOWARD GAS ACCOUNT, LLC OP Code \_\_\_\_\_

Watershed WEST FORK RIVER Quadrangle SHINNSTON 1/4

Elevation 960' County HARRISON District CLAY

Description of anticipated Pit Waste: NONE

Will a synthetic liner be used in the pit? YES Steel tank Rig SAW

SAW  
11/7/2013

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) Need Form
- Other (Explain \_\_\_\_\_)

ENVIRO CLEAN  
MARION, OHIO

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 \_\_\_\_\_

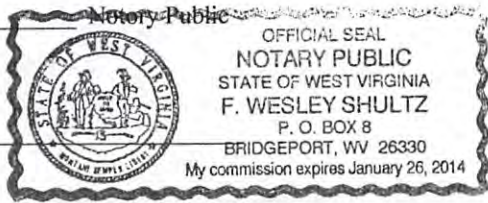
Company Official (Typed Name) ROGER W. McINTYRE

Company Official Title OPERATIONS MANAGER

Subscribed and sworn before me this 7th day of NOVEMBER, 2013

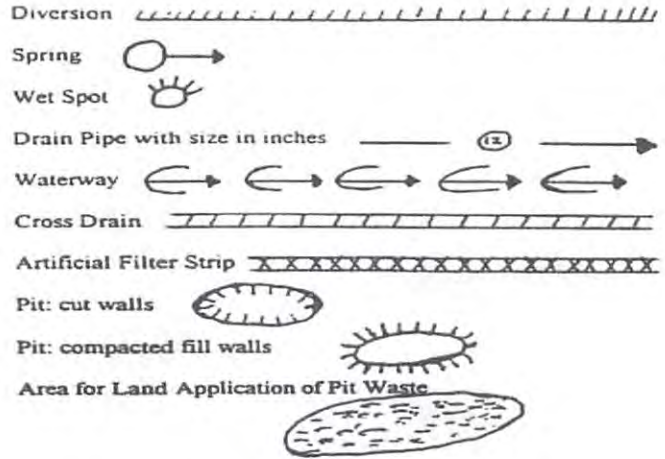
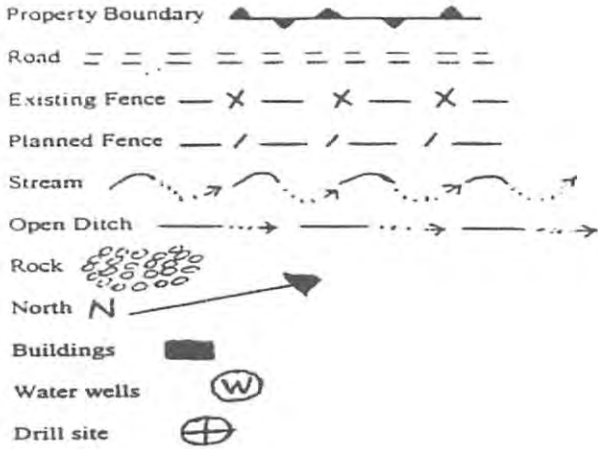
[Signature]

My commission expires JAN. 26, 2014





LEGEND



Proposed Revegetation Treatment: Acres Disturbed 0.098 <sup>8</sup>/<sub>100</sub> of ANAD Prevegetation pH \_\_\_\_\_

Lime 2 (Two) Tons/acre or to correct to pH 6.8

Fertilizer (10-20-20 or equivalent) \_\_\_\_\_ lbs/acre (500 lbs minimum)

Mulch 3 (Three) Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
<u>Fescue</u>	<u>OR</u>	<u>500</u>	<u>IF AVAILABLE</u>		

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

Photocopied section of involved 7.5' topographic sheet.

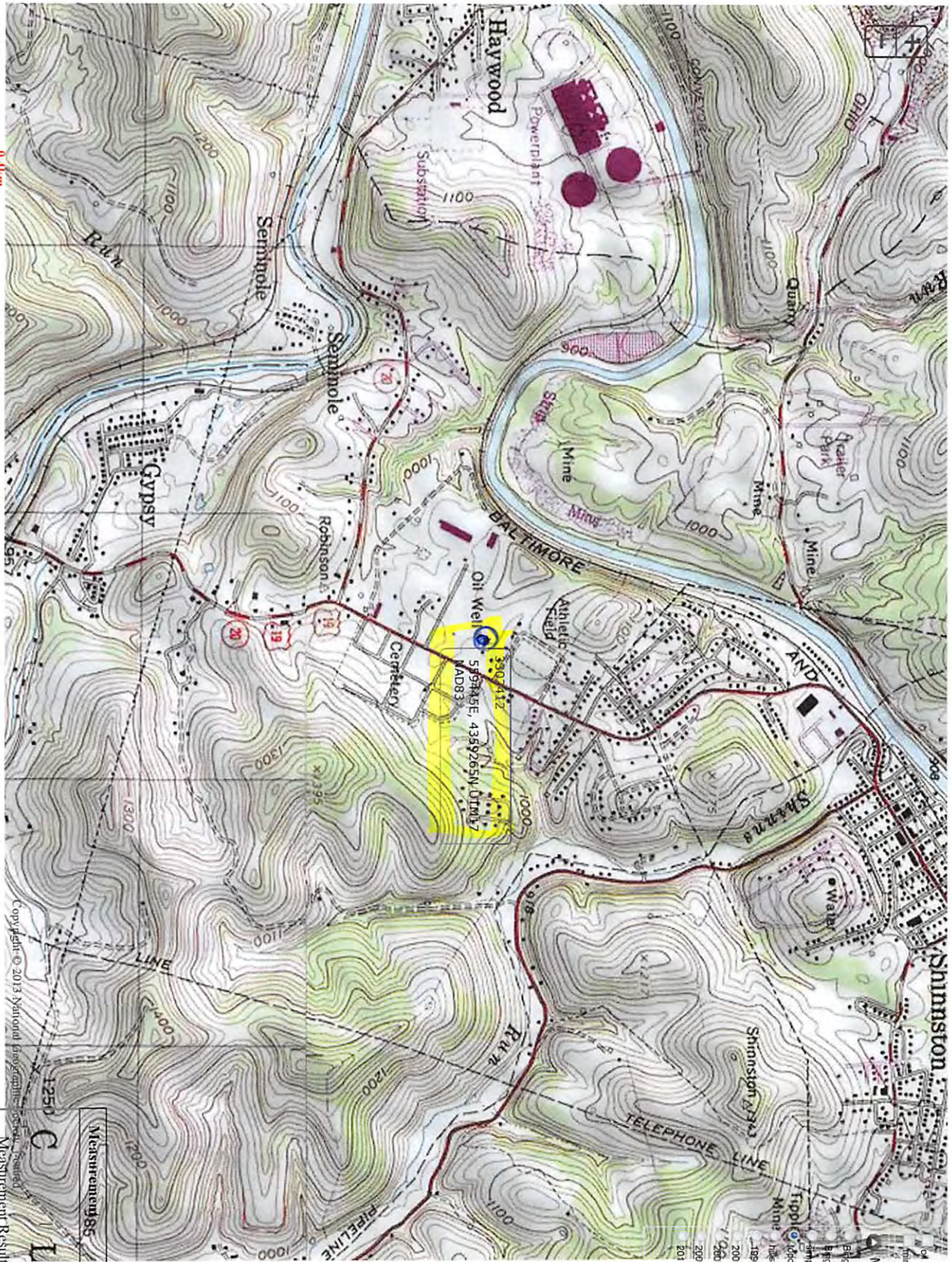
Plan Approved by: S. D. Warritt

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

Title: Oil & Gas Inspector Date: 11/7/2013

Field Reviewed? ( X ) Yes ( ) No





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- Oil & gas permits
- Mining permits
- Map Layers
- Relief street map
- Relief aerial
- Simplified
- Tippecanoe
- Mine
- 1986 aerial
- 2003 aerial
- 2007 aerial
- 2009 aerial
- Top 1 aerial

Measurement 85
Measurement Result



WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-033-02412 WELL NO.: Q

FARM NAME: MURRAY, W.C. (IN 2013 A.D. SCHOOL BOARD)

RESPONSIBLE PARTY NAME: ROGER W. MCINTYRE

COUNTY: HARRISON DISTRICT: CLAY

QUADRANGLE: SHINNSTON NE1/4

SURFACE OWNER: HARRISON COUNTY SCHOOL BOARD

ROYALTY OWNER: RICE HEIRS AND TOWLES HEIR

UTM GPS NORTHING: ~~N 39\* 22.862~~ 4359265.0

UTM GPS EASTING: ~~W 80\* 18.591~~ 559444.9 GPS ELEVATION: 960'

GARMIN OREGON 450 - IS CAPABLE OF ALL LISTED HERE AND MORE

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 X : 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 [Signature]

© ROBERT W. MCINTYRE  
Title

10/28/2013  
Date