



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

July 30, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8508411, issued to MUTSCHELKNAUS, CLARENCE W, 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: ELAINE GIRVIN 1

Farm Name: RIAL, HENRY J.

API Well Number: 47-8508411

Permit Type: Plugging

Date Issued: 07/30/2015

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

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.

850811P

WW-4B
Rev. 2/01

1) Date May 27, , 20 15
2) Operator's
Well No. Rial # 1
3) API Well No. 47- 085 - 08411

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 ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation ~~880~~ 784' Watershed Whiskey Run
District Clay County Ritchie Quadrangle Ellenboro

6) Well Operator Clarence W Mutschelknaus 7) Designated Agent Clarence W Mutschelknaus
Address P O Box 351 Address P O Box 351
Salem WV 26426 Salem, WV 26426

8) Oil and Gas Inspector to be notified Name David Cowan
Address 1597 Devil Hole Rd
Harrisville WV 26362-7543
9) Plugging Contractor Name Lucas Well Service, Inc
Address P O Box 4652
Parkersburg, WV 26104

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

See Attached

RECEIVED
Office of Oil and Gas
JUN 25 2015
WV Department of
Environmental Protection

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

Work order approved by inspector David Cowan Date 6-5-15

Rial # 1

Manner of Plugging

47-085-08411

Cement 1700 - 1600

Gel 1600 -1400

Cut tubing @ 1400 (or free point) and pull

Cement 1400 - 1300

Gel 1300 - ~~900~~

Cement ^{900 - 800} 800 - 700 *DWC check plug*

Gel 800 - 100

Cement 100 - surface

Erect monument w/API Number

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JUN 25 2015
WV Department of
Environmental Protection

Henry J. Rial (Elaine Girvin #1)
47-085-08411N

Elev 880

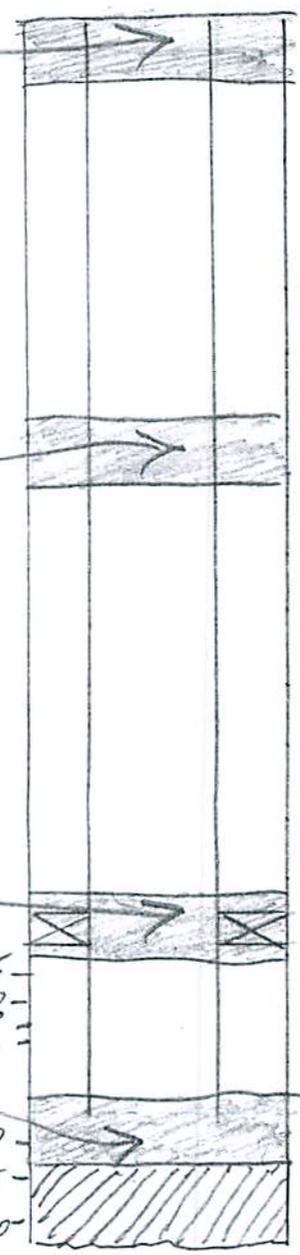
Plug #4
100-Surf

Plug #3
~~800-700~~
900-800

Plug #2
1400-1300

Plug #1
1700-1600

1st Salt Sand 1465
1480
2nd Salt Sand 1500
1510
keener 1680
Big Injun 1715
1770



ELEVATION
880'
DWD

Plkr ?

2" Tbg

Filled to
1700
orig. TD
1812'

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Office of Oil and Gas

JUN 25 2015

WV Department of
Environmental Protection

NR-33



State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

AP: 4 17-085-8411N

Reviewed: MS

Well Operator's Report of Well Work

Well Name: Wince

Operator Well No.:

LOCATION: Elevation:

Quadrangle:

District: Clay
Latitude:
Longitude:

County: Ritchie

Company: B&C Oil & Gas
P.O. Box 351
Salem, WV 26426

Agent: Clarence W. Muntzschel Knoss

Inspector:
Permit Issued:
Well work Commenced: 1930
Well work Completed:
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet)
Fresh water depths (ft) N/A
Salt water depths (ft) 1465 - 1480 ft
Is coal being mined in area (Y/N):
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
2"	1700ft	1700ft	
1"	1635ft	1635ft	

OPEN FLOW DATA

Producing formation Keener Pay zone depth (ft) 1715ft
 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 N/A Hours
 Static rock Pressure N/A psig (surface pressure) after N/A Hours

Second producing formation N/A Pay zone depth (ft) N/A
 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 N/A Hours
 Static rock Pressure N/A psig (surface pressure) after N/A Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: B&C Oil and Gas

By: Clarence W. Muntzschel Knoss
Date: 6/26/99

85 08411P

✓ IR-26-N
OBVERSE

INSPECTOR'S WELL INSPECTION SUMMARY FORM

RECEIVED

OFFICE OF OIL AND GAS

OCT 02 1995

WELL TYPE _____

API# 47- 85-08411 N

WV Division of
Environmental Protection

ELEVATION: 880.00

OPERATOR: RIAL, HENRY J

DISTRICT: CLAY

TELEPHONE:

QUADRANGLE: ELLENBORO

FARM: RIAL, HENRY J.

COUNTY: RITCHIE

WELL NO.: ELAINE GIRVIN#1

SURFACE OWNER _____

COMMENTS (Y/N) _____ TELEPHONE

TARGET FORMATION _____

DATE APPLICATION RECEIVED 09/19/95

DATE PERMIT ISSUED: 09/26/95

DATE VISITED 9-29-95

Inspector report

CHECK STATUS OF WELL, HAS 2" ON PACKER ONLY.
ACCESS OK, SITE OK,
(USED AT PRESENT TIME FOR HOUSE GAS ONLY)
NO SALT OR OIL SPILLS SHOWING.
OPERATOR TO REWORK WELL.

Samuel Hersman
INSPECTOR'S SIGNATURE

-----RECORD ALL VISITS TO THIS WELL ON BACK-----

INSTRUCTIONS

39° 20' 00"

850841

1) Attach a photo copy of the location of the well on a 7.5 minute Quadrangle with the corresponding Longitude and Latitude.
 2) Designate the location of the well with the symbol(+).

← 14,300' →

RECEIVED

WV Division of Environmental Protection

SEP 18 1995

Permitting Office of Oil & Gas

81° 2' 30"

I, the undersigned, Hereby certify that this plat is correct to the best of my knowledge and belief.

7.5 QUAD MARK 10,900'

SIGNED Henry J. Rial

TITLE Well owner/operator

21094

DATE Sept 14, 19 95

OPERATORS WELL NO. _____

API WELL NO. 47-085-841-N

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
(IE "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X)

LOCATION: ELEVATION 800 WATER SHED WHISKEY RUN
DISTRICT CLAY COUNTY RITCHIE
QUADRANGLE ELLENROD 7.5 337

SURFACE OWNER _____ ACREAGE 43 acres 57 Poles

OIL & GAS ROYALTY OWNER Elaine Girvin LEASE ACREAGE 5 acres
LEASE NO. _____

PRODUCING FORMATION Third Salt Sand & Keener Sand TOTAL DEPTH 1812

WELL OPERATOR Henry J. Rial 41975 DESIGNATED AGENT Same

ADDRESS: Rt 1 Box 182 ADDRESS _____

St. Marys, W.VA. 26170 _____

WW-4A
Revised 6-07

1) Date: May 27, 2015
2) Operator's Well Number
Rial # 1
3) API Well No.: 47 - 085 - 08411

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>Duane Kaplan</u>	Name _____
Address <u>2603 Pike Road</u>	Address _____
<u>Ellenboro, WV 26346</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>David Cowan</u>	(c) Coal Lessee with Declaration
Address <u>1597 Devil Hole Road</u>	Name _____
<u>Harrisville WV 26362-7543</u>	Address _____
Telephone <u>304-389-3509</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 Clarence W Mutschelknaus
 By: *Clarence W Mutschelknaus*
 Its: Owner
 Address P O Box 351
Salem, WV 26426
 Telephone 304 782-2707

RECEIVED
Office of Oil and Gas
JUN 04 2015

Subscribed and sworn before me this 1st day of June 2015
Joyce Siders
My Commission Expires 11-13-2016

WV Department of Environmental Protection
 OFFICIAL SEAL
 STATE OF WEST VIRGINIA
 NOTARY PUBLIC
 Joyce Siders
 Rt. 4, Box 472
 Salem, WV 26426
 My Commission Expires 11/13, 2016

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.

8508411 P
OK #2244
100.00

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 Clarence W Mutschelknaus OP Code 306522

Watershed Whiskey Run Quadrangle Ellenboro

Elevation 880 County Ritchie District Clay

Description of anticipated Pit Waste: Fluids from plugging operations

Will a synthetic liner be used in the pit? Yes 20 ft.

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 Clarence W Mutschelknaus

Company Official (Typed Name) Clarence W Mutschelknaus

Company Official Title Owner

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Office of Oil and Gas

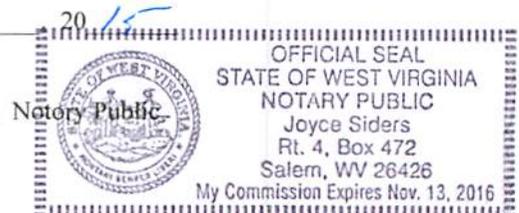
JUN 04 2015

WV Department of
Environmental Protection

Subscribed and sworn before me this 1st day of June

Joyce Siders

My commission expires 11-13-2016



850841P

SUBJECT WELL

Rial No.1

47-085-8411



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 Office of Oil and Gas
 JUN 04 2015
 WV Department of
 Environmental Protection

Section of
 Ellenboro
 7.5' Quadrangle
 SCALE 1"=1000'

WW-7
8-30-06



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

API: 47-085-08411 WELL NO.: Rial #1

FARM NAME: Duane Kaplan

RESPONSIBLE PARTY NAME: Clarence W Mutschelknaus

COUNTY: Ritchie DISTRICT: Clay

QUADRANGLE: Ellenboro

SURFACE OWNER: Duane Kaplan

ROYALTY OWNER: _____

UTM GPS NORTHING: 4,349,394

UTM GPS EASTING: 493,097 GPS ELEVATION: 239m ≈ (784')

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.

Clarence W Mutschelknaus Owner
Signature Title

6-1-15
Date

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Office of Oil and Gas

JUN 04 2015

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Environmental Protection