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

March 10, 2016

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3501080, issued to DURST OIL & 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 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: 1
Farm Name: BUFFINGTON, DORIS
**API Well Number: 47-3501080**
**Permit Type: Plugging**
Date Issued: 03/10/2016

**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.

WW-4B
Rev. 2/01

1) Date Feb 15, 2016
2) Operator's Well No. Buffington #1
3) API Well No. 47-035 -01880

**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 682 Watershed Little Sandy Creek
District Grant County Jackson Quadrangle Belleview

6) Well Operator Durst Oil and Gas, Inc
Address 505 Cherry Lane
Point Pleasant, WV 25550

7) Designated Agent Ronald W. Durst, Jr
Address same

8) Oil and Gas Inspector to be notified
Name Jamie Stevens
Address ~~505 Cherry Lane~~ 105 Kentuck Road
~~Point Pleasant, WV 25550~~ Kenna, WV 25248
304-206-7775

9) Plugging Contractor
Name Meadows Well Service
Address

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

Spot 100ft ClassA cmt plug 2080' to 1980' OK-
Fill 4.5"csg with gel to freepoint@approx1000'
Cut andpull 4.5" csg @approx 1000' OK
Spot 100' ClassA cmt plug over csg cut approx 1050' to 950'. Fill to 680' with gel.
Spot 100' ClassA cmt plug @elevation 680' to 580'. Fill with gel to 150'.
Attempt pull 100' of 8.25" csg.
Spot 150 classA cmt plug 150' to surface.
Erect proper monument.

Received
MAR - 4 2016
Office of Oil and Gas
WV Dept. 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 Jamie Stevens Date 3/1/2016

OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Belleville

Permit No. JAC 1080

# WELL RECORD

Oil or Gas Well Oil (KIND)

Company D. E. Brown
Address 4619 Insurance Lane, Dallas, Texas
Farm D. Buffington Acres ~~68~~ 232
Location (waters) Little Sandy
Well No. 1 Elev. 682
District Grant County Jackson
The surface of tract is owned in fee by D.Buffington
Address Belleville, W. Va.
Mineral rights are owned by D. Buffington
Address Belleville, W. Va.
Drilling commenced Nov. 16, 1964
Drilling completed Nov. 23, 1964
Date Shot ____ From ____ To ____
With ____
Open Flow ____ /10ths Water in ____ Inch
____ /10ths Merc. in ____ Inch
Volume ____ Cu. Ft.
Rock Pressure ____ lbs. ____ hrs.
Oil ____ bbls., 1st 24 hrs.
Fresh water None feet ____ feet
Salt water None feet ____ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|---|---|---|---|
| Size | | | |
| 16 | | | Kind of Packer None |
| 13 | | | |
| 10 | | | Size of |
| 8¼ | 100 | 100 | |
| 6⅝ | | | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top 2080' |
| 2 | | | Perf. bottom Single |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED 4½ SIZE 2145 No. Ft. 11/23/64 Date
with 116 sacks of salt saturated cement
COAL WAS ENCOUNTERED AT ____ FEET ____ INCHES
____ FEET ____ INCHES ____ FEET ____ INCHES
____ FEET ____ INCHES ____ FEET ____ INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---|---|---|---|---|---|---|---|
| Well fractured on 11/27/64 with 44,000 lbs of sand. | | | | | | | |
| Result After Treatment: 12 BOPD and 498 MCFPD flowing | | | | | | | |
| Rock Pressure after treatment: 910 psi | | | | | | | |
| Sand | Brown | Soft | 0 | 1450 | None | | |
| Shale | Gray | Hard | 1450 | 1510 | None | | Drilled |
| Lime | White | Hard | 1510 | 1618 | None | | Drilled |
| Sand | Brown | Hard | 1618 | 1634 | None | | Drilled |
| Shale | Gray | Hard | 1634 | 2077 | None | | Drilled |
| Sand | White | Hard | 2077 | 2084 | Oil | | Drilled |
| Shale | Gray | Hard | 2084 | 2145 | None | | Drilled |

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MAR - 2 2016
Office of Oil and Gas
WV Dept. of Environmental Protection

DEC 1964
RECEIVED
West Virginia
Dept. of Mines

(Over)

WW-4A
Revised 6-07

1) Date: Feb 15,2016
2) Operator's Well Number
Buffington #1

3) API Well No.: 47 - 035 - 01080 P

**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 James Bowers
Address 926 Claylick Rd
Ravenswood, WV 26164
(b) Name
Address
(c) Name
Address

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

6) Inspector Jamie Stevens
Address
Telephone 304-206-7775

**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
STATE OF WEST VIRGINIA
NOTARY PUBLIC
MILDRED L. CASTO
RT. 1 BOX 2
GIVEN, WV 25245
My commission expires June 3, 2020

Well Operator Durst Oil and Gas, Inc
By: Ronald W. Durst Jr.
Its: President
Address 505 Cherry Lane
Point Pleasant, WV 25550
Telephone 304-675-3064

Received
MAR - 2 2016
Office of Oil and Gas
WV Dept. of Environmental Prot

Subscribed and sworn before me this 29 day of February, 2016
Mildred L Casto Notary Public
My Commission Expires June 3, 2020

**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.**

# SURFACE OWNER WAIVER

Operator's Well Number Buffington #1

## 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.**

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MAR - 2 2016
Office of Oil and Gas
WV Dept. of Environmental Protection

## 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.

Signature _____ Date 04/29/16

FOR EXECUTION BY A CORPORATION,

Name James E. Bowers
By _____
Its _____ Date

Signature Date

WW-9
(2/15)

API Number 47 - 035 - 01080
Operator's Well No. Buffington #1

**STATE OF WEST VIRGINIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**OFFICE OF OIL AND GAS**

**FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN**

Operator Name Durst Oil and Gas, Inc OP Code 308453

Watershed (HUC 10) Little Sandy Creek Quadrangle Belleville

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: NA

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 _____

Will closed loop system be used? If so, describe: NA

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? NA

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 Ronald W Durst Jr

Company Official (Typed Name) Ronald W. Durst, Jr

Company Official Title President

Received
2016

Subscribed and sworn before me this 29th day of February, 16

Mildred L Casto

Notary Public

My commission expires June 3, 2020

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
MILDRED L. CASTO
RT. 1 BOX 2
GIVEN, WV 25245
My commission expires June 3, 2020

Form WW-9

Operator's Well No. Buffington#1

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 5

Lime 3 Tons/acre or to correct to pH 6.5

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

Mulch 2 Tons/acre

Seed Mixtures

| Area I | | Area II | |
|---|---|---|---|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| KY 31 Fescue | 50lbs | KY 31 Fescue | 50lbs |

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Jamie Stevens

Comments:

Title: Inspector Date: 3/1/2016

Field Reviewed? (✓) Yes ( ) No

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MAR - 2 2016
Office of Oil and Gas
WV Dept. of Environmental Protection

WW-7
8-30-06

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

**API:** 47-035-1080 **WELL NO.:** 699

**FARM NAME:** Doris Buffington

**RESPONSIBLE PARTY NAME:** Durst Oil and Gas

**COUNTY:** Jackson **DISTRICT:** Grant

**QUADRANGLE:** _____

**SURFACE OWNER:** James Bowers

**ROYALTY OWNER:** _____

**UTM GPS NORTHING:** 4318509.102

**UTM GPS EASTING:** 437883.014 **GPS ELEVATION:** 699

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 X

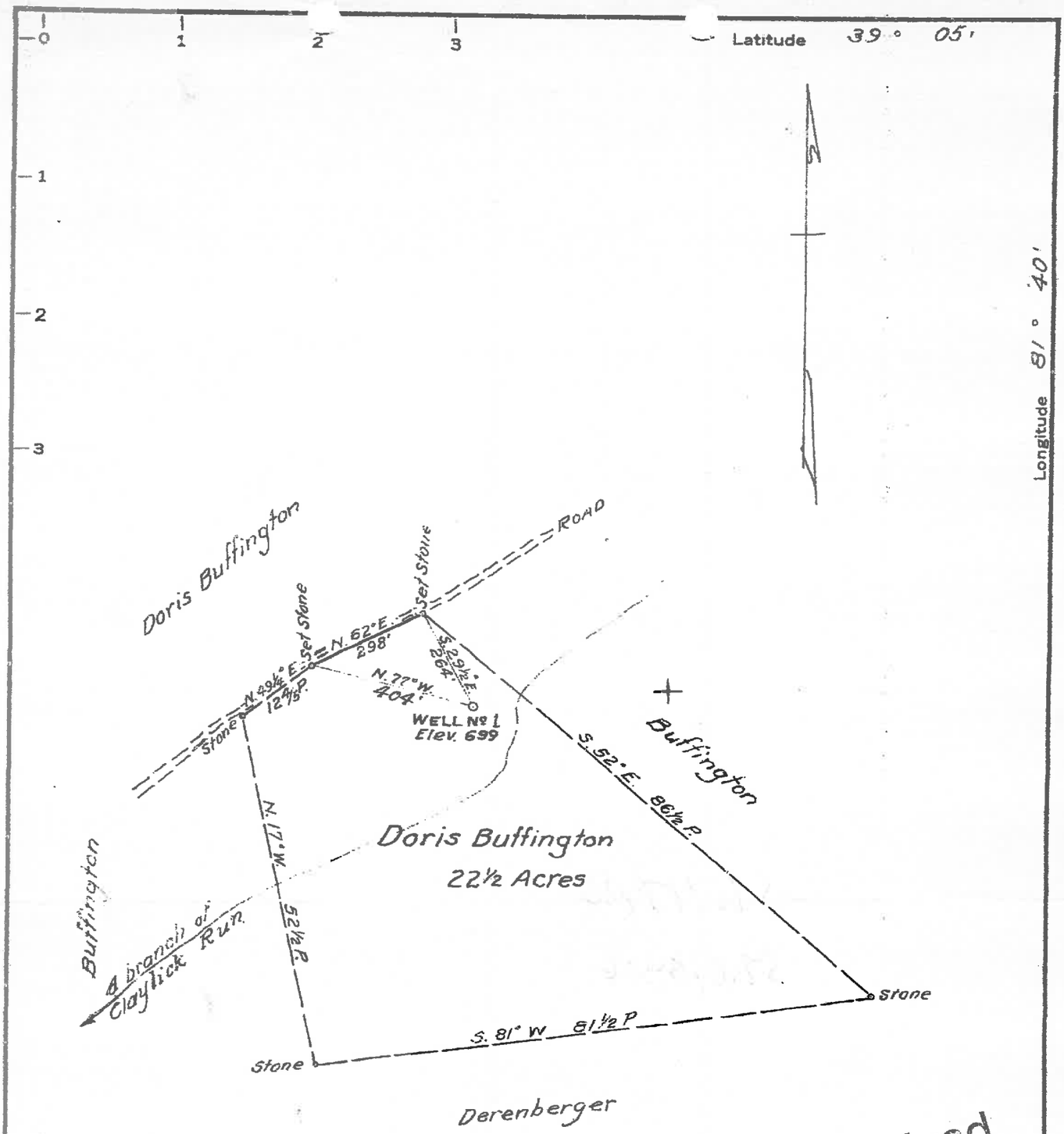
Real-Time Differential _____

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 _____ Title _____ Date 3/9/16

Received
MAR 9 2016
Office of Oil and Gas
WV Dept. of Environmental Protection

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Office of Oil and Gas
WV Dept. of Environmental Protection

MINIMUM ERROR OF CLOSURE 1/400

SOURCE OF ELEVATION Junction of public road and farm road 0.4 mile northeast of location - Elev. 719

New Location [X]
Drill Deeper [ ]
Abandonment [ ]

"I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY PARAGRAPH 6 OF THE RULES AND REGULATIONS OF THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA."

Company D.E. Brown
Address 4619 Insurance Lane, Dallas, Texas
Farm Doris Buffington
Tract 1 Acres 22½ Lease No.
Well (Farm) No. 699 Serial No.
Elevation (Spirit Level) 699
Quadrangle Belleville
County Jackson District Grant
Engineer Parker E. Peters
Engineer's Registration No. 485
File No. Drawing No.
Date Oct. 23, 1964 Scale 1" = 20 P.

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

# WELL LOCATION MAP

FILE NO.

† Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

Stephens Blueprint and Supply Company - Parkersburg, W. Virginia

IR - 8
(REV 4 - 99)

API No. 47-3501080

**WELL PLUGGING INSPECTION & RELEASE FORM**

PLUGGING COMMENCED _____ OPERATOR: DURST OIL & GAS CO., INC.

PLUGGING COMPLETED _____ FARM: BUFFINGTON, DORIS

VERBAL PERMISSION ON _____ WELL No: 1

1. IS COAL BEING MINED IN THE AREA?
2. WERE CEMENT AND GEL MIXED AND USED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS?

| | | | | |
|---|---|---|---|---|
| A. | BOTTOM HOLE PLUGGED | YES | NO | N/A |
| B. | 100 ' PLUGS | YES | NO | N/A |
| C. | LATEX PLUGS USED FOR H2S GAS | YES | NO | N/A |
| D. | PROPER PLUGS THROUGH COAL SEAMS | YES | NO | N/A |
| E. | PROPER PLUGS SET TO PROTECT FRESHWATER | YES | NO | N/A |
| F. | PROPER AMOUNT OF GEL USED TO DISPLACE PLUGS | YES | NO | N/A |

| TYPE | FROM | TO | PIPE REMOVED |
|---|---|---|---|
| | | | |
| | | | |
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3. WERE ALL CHANGES APPROVED BY INSPECTOR? YES NO
4. WAS THE EQUIPMENT USED FOR PULLING CASTING PROPERLY SIZED AND RIGGED TO PULL 150% OF THE HEAVIEST STRING OF PIPE EXPECTED TO BE PULLED? YES NO
5. DID THE OPERATOR GIVE THE INSPECTOR PROPER NOTICE? YES NO
6. WERE ACCURATE PLUGGING RECORDS KEPT BY THE OPERATOR? YES NO
7. WAS A PROPER MONUMENT SET WITH API NUMBER ATTACHED? YES NO
8. DID WELL SITE AND ACCESS ROAD MEET THE FOLLOWING RECLAMATION REQUIREMENTS?

| | | | | | |
|---|---|---|---|---|---|
| A. RECLAIMED | YES | NO | B. FENCES REPLACED | YES | NO |
| C. MULCHED | YES | NO | D. PROPER DRAINAGE | YES | NO |
| E. SEEDED | YES | NO | F. ALL EQUIPMENT REMOVED | YES | NO |
| G. PIT BACKFILLED | YES | NO | | | |

_____
DATE RELEASED

_____
INSPECTOR'S SIGNATURE

**RECORD ALL VISITS TO THIS WELL ON PAGE 2**

API No. 47- 3501080

| DATE | VISITS |
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WR-38
Rev. 5/08

API #

**STATE OF WEST VIRGINIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**OFFICE OF OIL AND GAS**

## AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name:_____ Operator Well No.:_____

LOCATION: Elevation:_____ Quadrangle: _____

District: _____ County: _____

Latitude: _____ Feet South of _____ Deg. _____ Min. _____Sec.

Longitude: _____ Feet West of _____Deg. _____Min. _____Sec.

Well Type: OIL _____ GAS _____

Company _____
_____
_____

Agent _____
Permit Issued Date _____

Coal Operator or Owner _____
_____
_____

Coal Operator or Owner _____
_____
_____

## AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____ ss:

_____ and_____being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the _____ day of _____, 20__, and the well was plugged and filled in the following manner:

| TYPE | FROM | TO | PIPE REMOVED | LEFT |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Description of monument:_____ and that the work of plugging and filling said well was completed on the _____ day of _____, 20___.

And further deponents saith not. _____

_____

Sworn and subscribe before me this _____ day of _____, 20_____

My commission expires:_____ _____
Notary Public

Affidavit reviewed by the Office of Oil and Gas: _____ Title: _____