



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

June 19, 2013

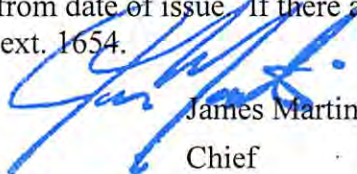
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4500511, issued to TOP DRILLING CORPORATION, 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: WEST VIRGINIA DOH
API Well Number: 47-4500511
Permit Type: Plugging
Date Issued: 06/19/2013

WW-4B
Rev. 2/01

1) Date May 21, 2013
2) Operator's
Well No. 3
3) API Well No. 47-045 - 00511

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 ___
- 5) Location: Elevation 727' Watershed Guyandote River
District Logan 02 County Logan 45 Quadrangle Logan 442
- 6) Well Operator Top Drilling Corporation 7) Designated Agent BRIAN HAUGHT
Address 107 Lancaster St, Suite 301 Address 12864 STAUNTON TPKE
Marietta, OH 45750 SMITHVILLE, WV 26178
- 8) Oil and Gas Inspector to be notified Name Ralph Triplett
Address 5539 McClellan HWY
Branchland, WV 25506
- 9) Plugging Contractor Name Top Drilling Corporation
Address 107 Lancaster Sreet, #301
Marietta, OH 45750

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attached Well Bore Schematic

RDT
05/30/13

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

Received

Work order approved by inspector

Ralph D. Triplett

JUN 10 2013

Date May 30, 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

06/21/2013

Well Name: Caldwell & Harless #2

API Number: 47-045-00511

Plugging Procedures:

- Obtain Plugging Permit from State of WV
- Obtain Plugging Bond from State of WV
- Mobilize equipment and Move Rig #5 and all support equipment onto location, Rig Up.
- Move 250 Bbl Water tank onto location and fill with fresh water
- Weld collar onto 13" Conductor casing and install diverter or Blow Out Preventer and flow line
- Safety Meeting – verify rig is properly rigged up and drill pit fully prepared & H2S monitoring system in place
- Trip drill pipe into well bore and verify current total depth (approximately 20')
- Clean out well bore down to top of 5-1/2" liner
- Trip drill pipe out of well bore and change to smaller bit size, trip drill pipe back into well bore
- Clean out well bore down to original TD of 4927'
- Trip drill pipe out of well bore and remove drill bit and hammer, trip drill pipe back into well bore
- Move in and rig up third party cement/gel trucks and equipment
- Safety Meeting – Verify all workers and equipment prepared to commence cement and gel operations
- Spot Bentonite Gel Spacer of approximate 3,155'
- Spot initial cement plug from 4927' to 4701' to plug potential lower producing zone
- Pull drill pipe back up to 4234' (50' below depth of documented lower shot hole)
- Spot secondary cement plug from 4234' to 3730' to plug shot hole zone
- Pull drill pipe back up to 2834' (50' below depth of documented upper shot hole)
- Spot Third cement plug from 2834' to 1942' to plug shot hole zone, liner and casing change zone
- Pull drill pipe back up to 1544' (50' below depth of change in casing/ wellbore size)
- Spot Fourth cement plug from 1544' to 1444' to plug shot hole zone
- Pull drill pipe back up to 600' depth (approximate level of top of bentonite gel)
- Spot final cement plug sealing off any coal seams and water bearing formations back to surface
- Remove Drill pipe and grout in the top of the wellbore
- Rig down third party cement and gel truck and equipment
- Rig down Rig #5 and move off of location
- Remove the majority of fluids from drill pit and dispose of waste fluids and cuttings appropriately
- Provide Monument for Vecellio & Grogan to place above well location once earthwork has been completed

★ STATE OIL & GAS INSPECTORS DO NOT RECOMMEND USING A HAMMER & HAMMER BIT TO CLEAN OUT WELL BORE TO 4927'. IN FACT, IT MAY BE NECESSARY TO USE A TRI-CONE BIT, DRILLING MUD AND A MUD PUMP TO CLEAN THE "SHOT" MATERIAL OUT OF THE WELLBORE.

JNM

Received

JUN 10 2013

Office of Oil and Gas
 WV Dept. of Environmental Protection

06/21/2013



Wellbore Schematic

Well Plugging Schematic

Well: **Caldwell & Harless #2**
API: **47-045-00511**

Current Status
Contracted to Plug Well for Vecellio & Grogan - DOH road construction Contractors

Action Items
Plug Well per state inspectors recommendations as shown

Frac Date: Unknown

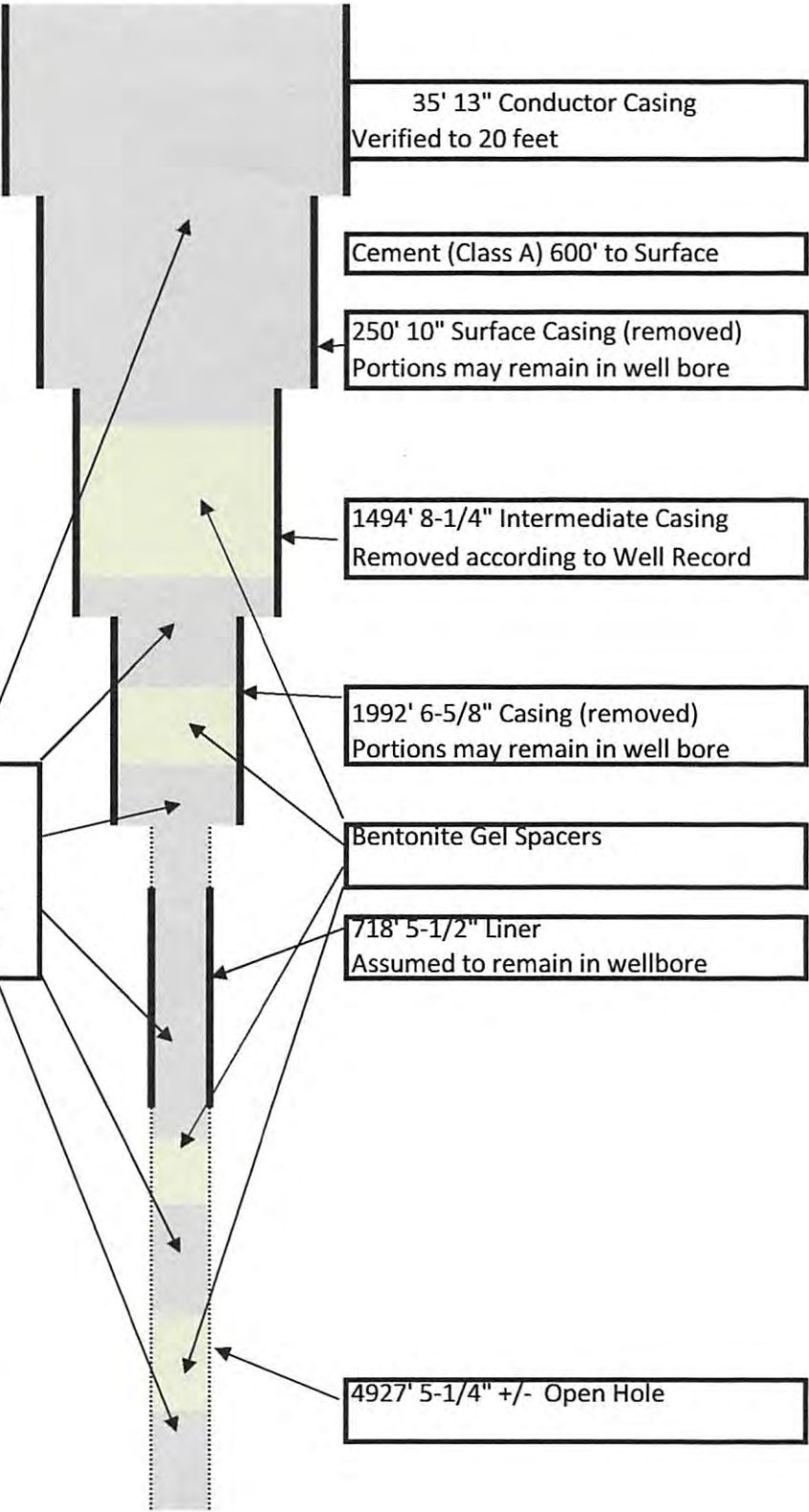
Record TD **4927'**

Elevation **727'**

Cement Plugs (Class A)
Surface to 600'
1444' to 1544'
1942' to 2834'
3730' to 4234' (Latex Based)
4701' to 4927' (Latex Based)

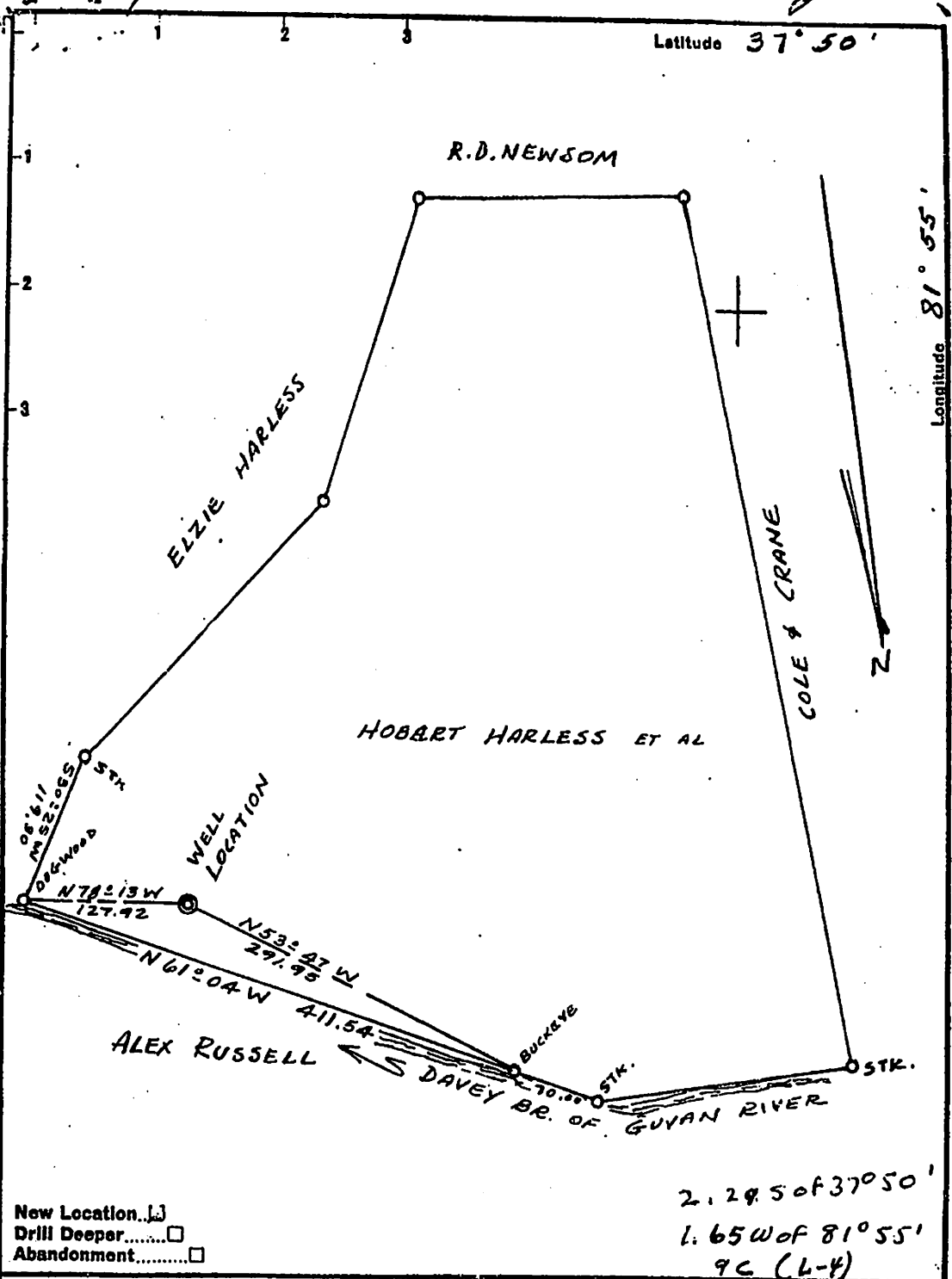
Perforations:

Shot Holes
2142' to 2784'
3780' to 4184'



Received

JUN 10 2013



New Location...
 Drill Deeper.....
 Abandonment.....

2.295 of 37° 50'
 1.65 W of 81° 55'
 96 (L-4)

Company PERRY GAS COMPANY
 Address BOX 962, LOGAN, W.VA.
 Farm HOBERT HARLESS ET AL
 Tract 2 Acres 180 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 727.50
 Quadrangle LOGAN SW
 County LOGAN District LOGAN
 Engineer A. L. Lefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 11-25-55 Scale 1" = 100'

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

WELL LOCATION MAP
 FILE NO. LOG-5117

+ Denotes location of well on United States Topographic Maps, scale 1 to 82,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border lines of original tracing.

Received

WV Dept. of Environmental Protection
 Office of Oil and Gas
 06/24/2013



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 2

Quadrangle Logan

Permit No. LOG-511

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Perry Gas Company
Address Box 962 Logan, W. Va.
Farm Caldwell and Harless Acres 180
Location (waters) Guyandotte River
Well No. 2 Elev. 727
District Logan County Logan
The surface of tract is owned in fee by Robert Harless
Address Lyburn, W. Va.
Mineral rights are owned by Robert Harless
Address Lyburn, W. Va.
Drilling commenced December 22, 1955
Drilling completed August 18, 1956
Date Shot 8/31/56 From 4184 To 3780
With 2,550 lbs. 80% Independent
Open Flow 6/10ths Water in 2 Inch
6/10ths Merc. in 2 Inch
Volume 381,000 Cu. Ft.
Rock Pressure 540 lbs. hrs.
Oil 540 bbla., 1st 24 hrs.
Fresh water 52 feet
Salt water 52 feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|---------------|----------------|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | <u>35.4</u> | <u>35.4</u> | |
| 10 | <u>250.8</u> | <u>250.8</u> | Size of |
| 8 1/4 | <u>1494.5</u> | <u>1494.5</u> | |
| 6 3/16 | <u>1992</u> | <u>1992</u> | Depth set |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 50 FEET to DEEKS
52 FEET. INCHES FEET INCHES
FEET INCHES FEET INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------------------|-------|--------------|------|--------|-------------------|-------------|-----------|
| Sand and gravel | | | 0 | 14 | | | |
| Sand | | | 14 | 18 | | | |
| Sand and gravel | | | 18 | 24 | | | |
| Sand | | | 24 | 50 | | | |
| Coal | | | 50 | 52 | Water | 50'-54' | Hole full |
| Sand | | | 52 | 142 | | | |
| Slate | | | 142 | 153 | | | |
| Broken sand | | | 153 | 219 | | | |
| Slate | | | 219 | 251 | | | |
| Sand | | | 251 | 273 | Water | 254'-260' | Hole full |
| Slate | | | 273 | 347 | | | |
| Sand | | | 347 | 392 | Salt water | 388'-392' | |
| Slate | | | 392 | 434 | | | |
| Sand | | | 434 | 474 | | | |
| Gritty lime | | | 474 | 510 | | | |
| Sand | | | 510 | 559 | | | |
| Slate | | | 559 | 589 | | | |
| Sand | | | 589 | 780 | | | |
| Slate | | | 780 | 788 | | | |
| Sand | | | 788 | 798 | | | |
| Slate and broken sand | | | 798 | 842 | | | |
| Sand | | | 842 | 878 | | | |
| Slate and broken sand | | | 878 | 931 | | | |
| Lime | | | 931 | 952 | | | |
| Sand | | | 952 | 1151 | | | |
| Slate and broken sand | | | 1151 | 1188 | | | |
| Sand | | | 1188 | 1344 | | | |
| Slate | | | 1344 | 1348 | | | |
| Lime | | | 1348 | 1430 | | | |
| Sand | | | 1430 | 1490 | | | |
| Gritty lime | | | 1490 | 1498 | | | |
| Sand | | | 1498 | 1509 | | | |
| Red rock and slate | | | 1509 | 1557 | | | |
| Broken lime | | | 1557 | 1567 | | | |



Received

JUN 10 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

| Formation | Color | Hard or Soft | Top 2 | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---------------------------|-------|--------------|-------|--------|-------------------|-------------|------------|
| Red rock and slate | | | 1567 | 1599 | | | |
| Gritty lime | | | 1599 | 1640 | | | |
| Red rock and slate | | | 1640 | 1652 | | | |
| Gritty lime | | | 1652 | 1669 | | | |
| Slate and shells | | | 1669 | 1699 | | | |
| Red rock | | | 1699 | 1704 | | | |
| Gritty lime | | | 1704 | 1730 | | | |
| Slate and shells | | | 1730 | 1788 | | | |
| Sand | | | 1788 | 1794 | | | |
| Gritty lime | | | 1794 | 1828 | | | |
| Red rock and slate | | | 1828 | 1851 | | | |
| Broken sand | | | 1851 | 1897 | | | |
| Slate | | | 1897 | 1909 | | | |
| Lime black | | | 1909 | 1966 | | | |
| Big lime | | | 1966 | 2200 | | | |
| Jun sand red | | | 2200 | 2232 | | | |
| Grey sand | | | 2232 | 2280 | | | |
| Broken sand and slate | | | 2280 | 2420 | Gas | 2327-2336 | Light show |
| Slate and sand and shells | | | 2420 | 2716 | | | |
| Coffee shale | | | 2716 | 2742 | | | |
| Berea sand | | | 2742 | 2758 | Gas | 2742-2746 | Light show |
| Slate | | | 2758 | 2784 | | | |
| Gritty lime | | | 2784 | 2801 | | | |
| Slate and shells | | | 2801 | 2890 | | | |
| Gritty lime | | | 2890 | 3031 | | | |
| Slate and shells | | | 3031 | 3125 | | | |
| Sand and lime shells | | | 3125 | 3230 | | | |
| Slate and shells | | | 3230 | 3350 | | | |
| Gritty lime | | | 3350 | 3561 | | | |
| Slate and shells | | | 3561 | 3780 | | | |
| Brown shale | | | 3780 | 4184 | Gas | 3790-3805 | Show |
| White shale | | | 4184 | 4523 | | | |
| Brown shale | | | 4523 | 4751 | | | |
| Oriskiny sand | | | 4751 | 4927 | Gas | 4786 | Show |

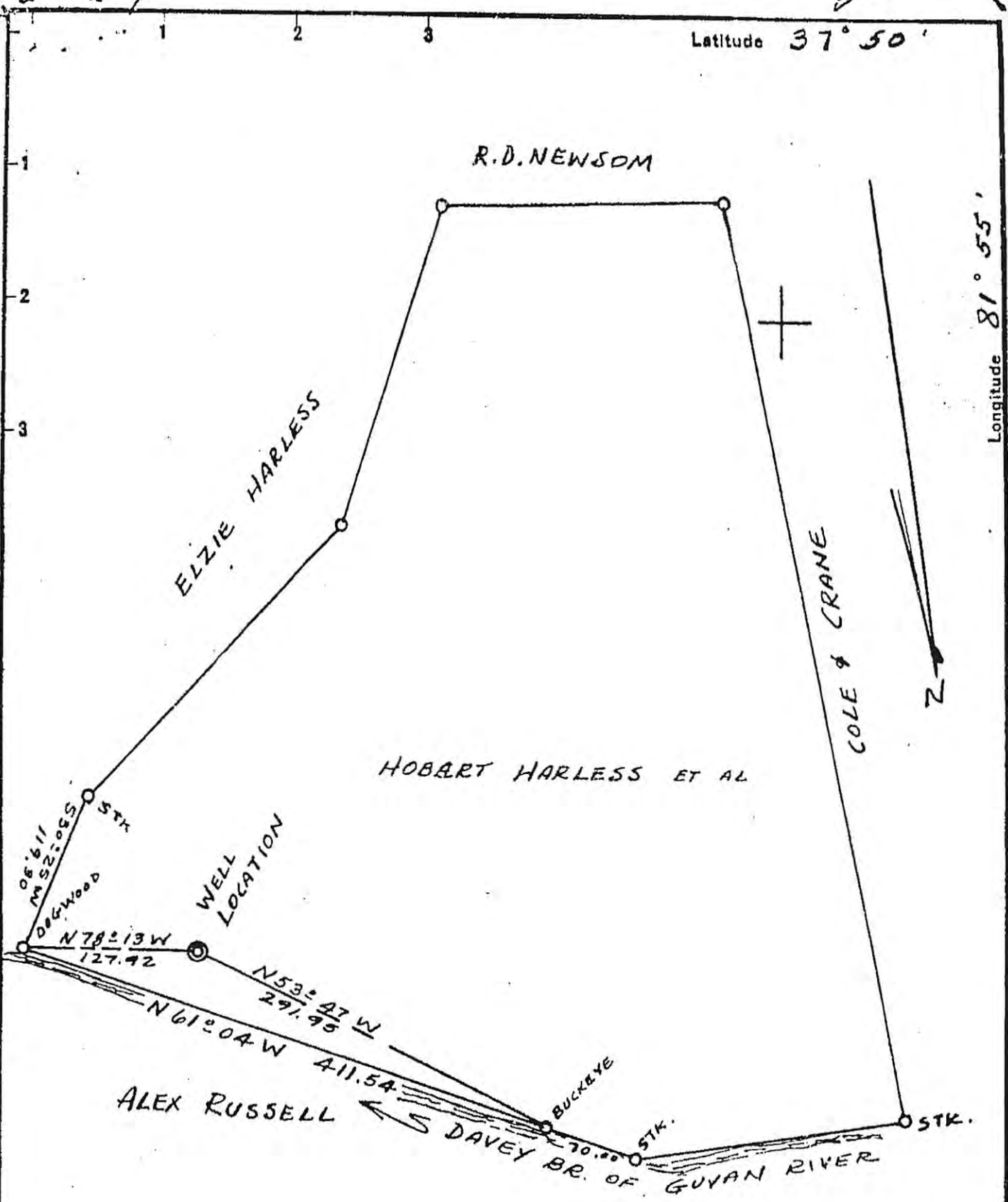
Received

JUN 10 2013

Date November 3, 1956

APPROVED Perry Gas Company WV Dept. of Environmental Protection
 By Parrell Perry Owner
 (Title)

06/21/2013



New Location...
 Drill Deeper.....
 Abandonment.....

2.29 S of 37° 50'
 1.65 W of 81° 55'
 9C (L-4)

Company PERRY GAS COMPANY
 Address BOX 962, LOGAN, W.VA.
 Farm HOBART HARLESS ET AL
 Tract 2 Acres 180 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 727.50
 Quadrangle LOGAN SW
 County LOGAN District LOGAN
 Engineer N.L. Sifton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 11-25-55 Scale 1"=100'

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

WELL LOCATION MAP

FILE NO. LOG-511 P
 CANCELLED 8/4/1960
 Rob

+ 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.

06/21/2013

4500511P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle _____
Permit No. Log-511

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company Perry Gas Company
 Address Logan, W. Va.
 Farm Harliss Hrs. Acres _____
 Location (waters) Guyandotte River
 Well No. Caldwell #2 Elev. 727
 District Logan County Logan
 The surface of tract is owned in fee by Elza Harliss
 Address Lyburn, W. Va.
 Mineral rights are owned by Harliss Hrs.
 Address Lyburn, W. Va.
 Drilling commenced Nov. 30, 1955
 Drilling completed Aug. 18, 1956
 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.
 WELL ACIDIZED _____
 WELL FRACTURED _____

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|--------------------|
| Size | | | Kind of Packer |
| 16 | | | _____ |
| 13 | 35 | 35 | none |
| 10 | 250 | 250 | Size of _____ |
| 8 1/4 | 1494 | Pulled | _____ |
| 6 5/8 | 1992 | 1992 | Depth set _____ |
| 5 3/16 | Liner | 718 | _____ |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 50 FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 50' & 254' Feet

Salt Water 388'



APR 1960

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|-----------------------------|-------|--------------|------|--------|-----------------------|---------|---------|
| Sand & gravel | | | 0 | 14 | | | |
| Sand | | | 14 | 18 | | | |
| Sand & gravel | | | 18 | 24 | | | |
| Sand | | | 24 | 50 | F. water | 50-54 | |
| Coal | | | 50 | 52 | | | |
| Sand | | | 52 | 142 | | | |
| Slate | | | 142 | 153 | | | |
| Broken sand | | | 153 | 219 | | | |
| Slate | | | 219 | 251 | | | |
| Sand | | | 251 | 273 | F. water | 254-260 | |
| Slate | | | 273 | 347 | | | |
| Slate | | | 347 | 392 | S. water | 388-392 | |
| Slate | | | 392 | 434 | | | |
| Gritty sand | | | 434 | 474 | | | |
| Sand Gritty Lime | | | 474 | 510 | | | |
| Sand | | | 510 | 559 | | | |
| Slate | | | 559 | 589 | | | |
| Sand | | | 589 | 780 | | | |
| Slate | | | 780 | 788 | | | |
| Sand | | | 788 | 798 | | | |
| Slate | | | 798 | 842 | | | |
| Sand | | | 842 | 878 | | | |
| Slate | | | 878 | 931 | Settling sand at 994' | | |
| Lime | | | 931 | 952 | Show of gas at 934' | | |
| Sand | | | 952 | 1151 | " " " " 1122 | | |
| Slate | | | 1151 | 1188 | " " " " 1340-1344 | | |
| Sand sand | | | 1188 | 1344 | | | |
| Slate | | | 1344 | 1348 | | | |
| Lime | | | 1348 | 1430 | | | |
| Sand | | | 1430 | 1490 | | | |

06/29/2013

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|--------------------|-------|--------------|------|--------|-------------------|-------------|---|
| Gritty Lime | | | 1490 | 1498 | | | |
| Sand | | | 1498 | 1509 | | | |
| Red Rock & slate | | | 1509 | 1557 | | | |
| Broken Lime | | | 1557 | 1567 | | | |
| Red rock & slate | | | 1567 | 1599 | | | |
| Gritty Lime | | | 1599 | 1640 | | | |
| Red rock & slate | | | 1640 | 1652 | | | |
| Gritty Lime | | | 1652 | 1669 | | | |
| Slaty shells | | | 1669 | 1699 | | | |
| Red Rock | | | 1699 | 1704 | | | |
| Gritty Lime | | | 1704 | 1730 | | | |
| Slate & Shells | | | 1730 | 1788 | | | |
| Sand | | | 1788 | 1794 | | | |
| Gritty Lime | | | 1794 | 1828 | | | |
| Red rock & slate | | | 1828 | 1851 | | | |
| Broken sand | | | 1851 | 1897 | | | |
| Slate | | | 1897 | 1909 | | | |
| Lime | black | | 1909 | 1966 | | | |
| Big Lime | | | 1966 | 2200 | | | Run 718' of 5 1/2" Liner 2280'-2062' |
| Injun Sand | red | | 2200 | 2232 | | | |
| Sand | grey | | 2232 | 2280 | | | |
| Broken sand | | | 2280 | 2420 | | | Show gas at 2327-2336 |
| Slaty Shells | | | 2420 | 2716 | | | Well shot with 1600 lbs. gelatin from 2784 to 2142. |
| Coffee Shale | | | 2716 | 2742 | | | Show gas at 2742' |
| Berea Sand | | | 2742 | 2758 | | | |
| Slate | | | 2758 | 2784 | | | |
| Gritty Lime | | | 2784 | 2801 | | | |
| Slate & Shells | | | 2801 | 2890 | | | |
| Gritty Lime | | | 2890 | 3031 | | | |
| Slate & Shells | | | 3031 | 3125 | | | |
| Sand & Lime shells | | | 3125 | 3230 | | | |
| Slate & Shells | | | 3230 | 3350 | | | |
| Gritty Lime | | | 3350 | 3561 | | | Gas at 3890 & 3805 |
| Slate & shells | | | 3561 | 3780 | | | (Brn. Shale shot with gelatin, 2550 lbs. - 4184 to 3780'. |
| Brown Shale | | | 3780 | 4184 | | | |
| White Shale | | | 4184 | 4521 | | | |
| Brown Shale | | | 4521 | 4751 | | | |
| Oriskiny Sand | | | 4751 | 4927 | | | Slight show of gas at 4786'. |
| Total Depth | | | 4927 | | | | |

06/21/2013

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)

OK # 10089
\$100.00

4500511 P

WW-4A
Revised 6-07

1) Date: May 21st, 2013
2) Operator's Well Number
2
3) API Well No.: 47 - 045 - 00511

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

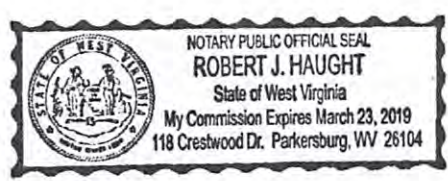
| | |
|---|---------------------------------------|
| 4) Surface Owner(s) to be served: | 5) (a) Coal Operator |
| (a) Name <u>WVDOH - DOH</u> | Name <u>NA</u> |
| Address <u>ATTN: CHRIS COLLINS</u> | Address _____ |
| <u>801 MADISON AVE</u> | _____ |
| (b) Name <u>HUNTINGTON, WV 25712-0880</u> | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>West Virginia DOH</u> |
| _____ | Address <u>ATTN: CHRIS COLLINS</u> |
| (c) Name _____ | <u>801 MADISON AVE</u> |
| Address _____ | Name <u>HUNTINGTON, WV 25712-0880</u> |
| _____ | Address _____ |
| 6) Inspector <u>Ralph Triplett</u> | (c) Coal Lessee with Declaration |
| Address <u>5539 McClellan HWY</u> | Name <u>NA</u> |
| <u>Branchland, WV 25506</u> | Address _____ |
| Telephone <u>304-389-0350</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 Top Drilling Corporation
 By: [Signature]
 Its: Vice President of Operations
 Address 107 Lancaster St, Suite 301
Marietta, OH 45750
 Telephone (740) 373 6900 304-477-3333
rhaught@topdrilling.com

Subscribed and sworn before me this 29th day of MAY, 2013

Notary Public

My Commission Expires MARCH 23, 2019

Received

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.

Office of Oil and Gas
WV Dept. of Environmental Protection
06/21/2013

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 Top Drilling Corporation OP Code _____

Watershed Guyandote River Quadrangle Logan SW 442

Elevation 727' County Logan 45 District Logan

Description of anticipated Pit Waste: Drill Cuttings / Drilling Fluids

Will a synthetic liner be used in the pit? Yes

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number UIC2D0859721)
- 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 Well Bore Clean Out)
- 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) Brian Haught

Company Official Title Vice President of Operations

Subscribed and sworn before me this 29th day of MAY, 2013

[Signature]

Notary Public

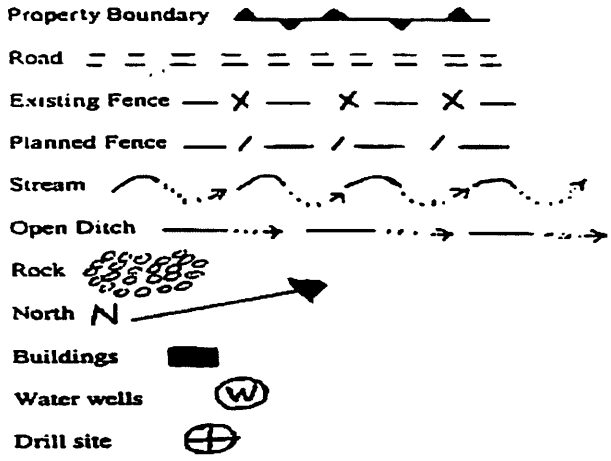


My commission expires MARCH 23, 2019

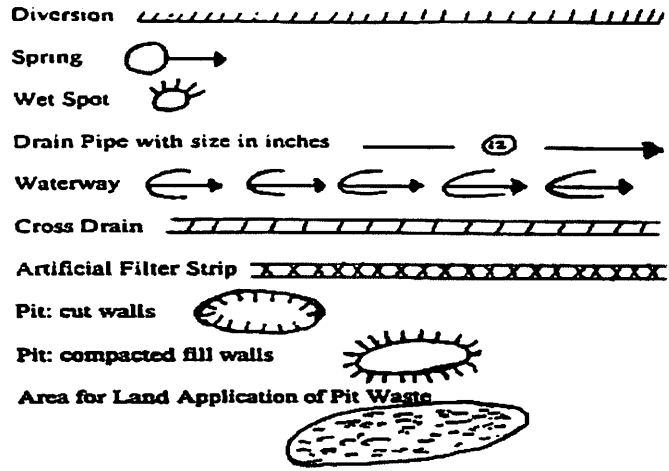
WV Dep. of Environmental Protection

06/21/2013

Received



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 2 +/- Prevegetation pH 5.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)

Mulch 90 Bales Tons/acre

Seed Mixtures

| Seed Type | Area I | lbs/acre | Seed Type | Area II | lbs/acre |
|-------------|--------|----------|-------------|---------|----------|
| Pasture Mix | | 100 | Pasture Mix | | 100 |
| | | | | | |
| | | | | | |

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Ralph D. Trippe

Comments: _____

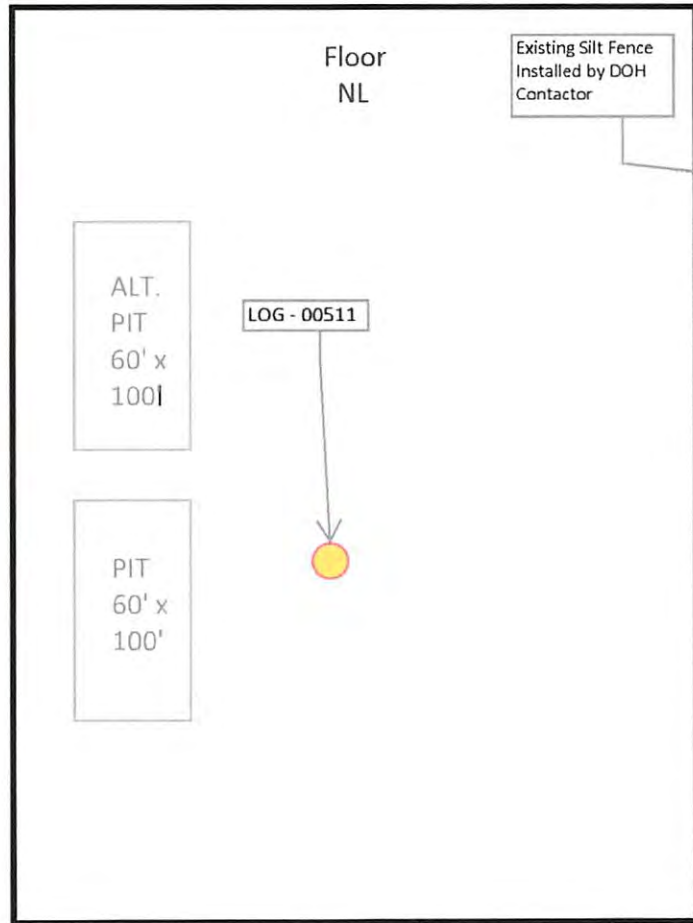
Title: District Inspector Date: May 30, 2013

Field Reviewed? Yes No

Received

Office of Oil and Gas
WV Dept. of Environmental Protection

06/21/2013



Top Drilling Corporation

Existing Well Site

Plugging Contract

API # 47-045-00511

Logan District, Logan County
West Virginia

Existing Site
Entrance

Davey Branch Creek
of Guyandote River

- Well Site is in the middle of WVDOH highway replacement project (Route 10)
- Erosion & Sediment Control Shall be used in accordance with WV Erosion and Sediment Field Manual and as directed by district inspector.
- Drains and Sediment Control Shall be placed as needed

Davey
Branch Road

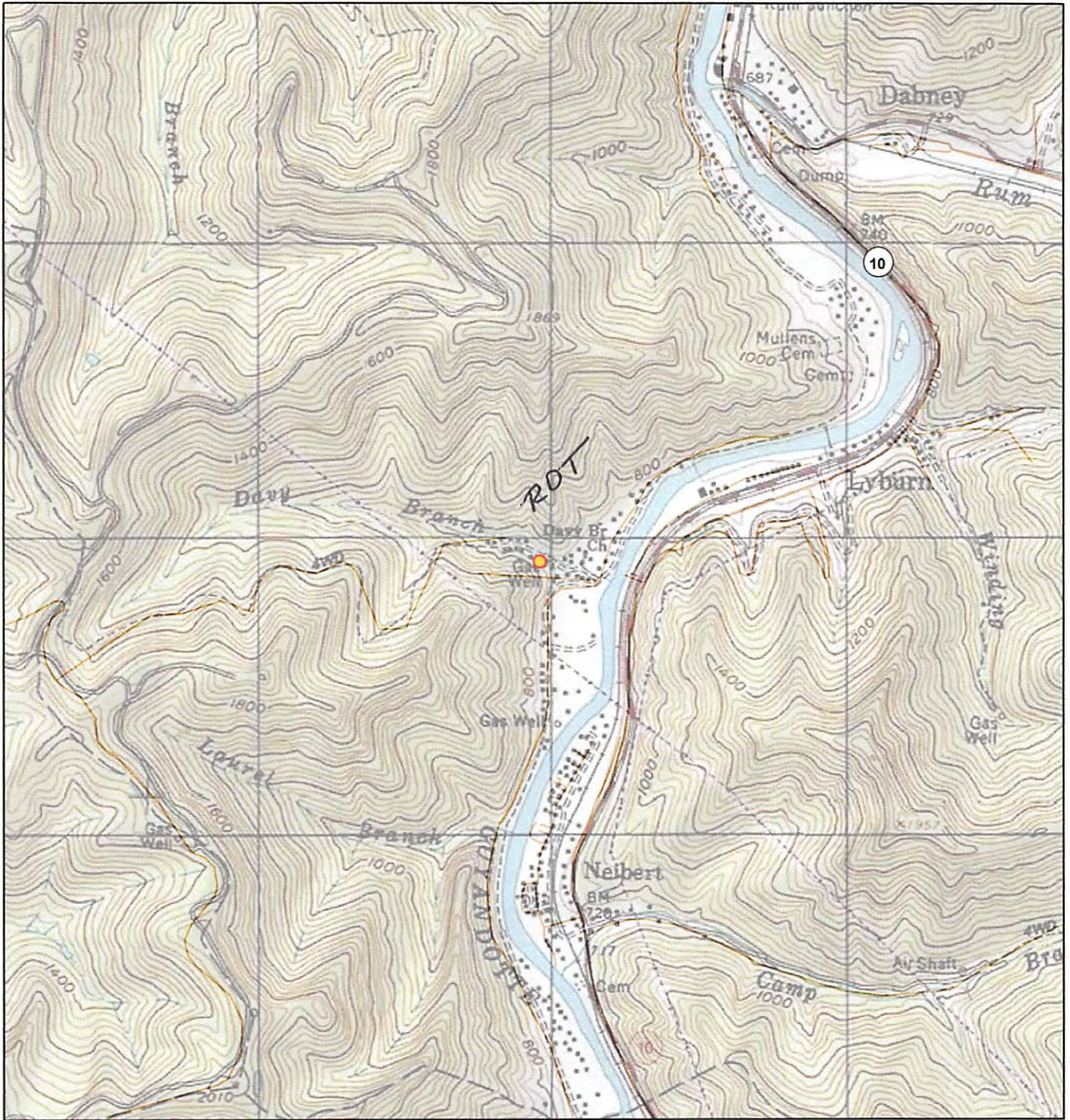
Received

JUN 10 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

06/21/2013

4506511P



Logan Quadrangle

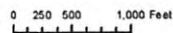
Top Drilling Corporation

Caldwell & Harless #2
API - 47-045-00511

Logan District

Logan County

West Virginia



Received

JUN 10 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

06/21/2013

WW-7
8-30-06



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

API: 47-045-00511 WELL NO.: 2

FARM NAME: Caldwell & Harless

RESPONSIBLE PARTY NAME: Top Drilling Corporation

COUNTY: Logan DISTRICT: Logan

QUADRANGLE: Logan

SURFACE OWNER: West Virginia DOH

ROYALTY OWNER: West Virginia DOH

UTM GPS NORTHING: 4183930.440

UTM GPS EASTING: 416997.846 GPS ELEVATION: 217.48M/713.52FT

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.

[Signature]
Signature

V.P. of Operations
Title

JUN 10 2013
5/29/13
Date

Office of Oil and Gas
WV Dept. of Environmental

06/21/2013

OP-77-A (02-98)

Record No. _____

State of West Virginia

Department of Environmental Protection

This is to acknowledge that the well: API no. 47-045-00511

District Logan
Well No #2 Farm name Caldwell & Harless

Is hereby transferred To:

The transferee Company: Top Drilling Corporation

Code # Address 107 Lancaster St. Suite 301, Marietta, OH 45750

Transfer approval and responsibility for any noncompliance matter not resolved in this document will be addressed in the thirty day circular that will be issued after review of your application for transfer, or as otherwise set forth by agreement with the Chief.

The transferee has registered and designated an agent on form OP-1, which is on file with the Office of Oil and Gas. The agent is:

Designated agent (name) Brian Haught

Address: 12864 Staunton TPKE Smithville, WV 26178

The transferee has bonded the said well by (check one):

Securities Cash Surety bond Letter of credit

Identified by:

| | | | |
|--------------------|--------------|------------------|--|
| Amount: | <u>5,000</u> | Effective date : | |
| Issuing authority: | | Id. No: | |

Transferee: Top Drilling Corporation
By: [Signature]
Its: Vice President of Operations

Taken, subscribed and sworn before me this 13 day of June 2013

Notary Public _____

My Comission Expires March 23 2019