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 31, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-7900658, issued to TEAVEE OIL & GAS, 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: TORMEY 1
Farm Name: GALLAGHER, THOMAS J., ET AI
**API Well Number: 47-7900658**
**Permit Type: Plugging**
Date Issued: 07/31/2015

**Promoting a healthy environment.**

7900658P

# 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.

WW4-B
Revised
2/01

1) Date: 06/01/2015
2) Operator's Well Number
Tormey #1

3) API Well No.: 47 - 079 - 00658-P

**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 **XXX** / Liquid injection _____/ Waste disposal _____/
(If "Gas, Production **XXX** or Underground storage ____) Deep **XXX** /Shallow ____

5) LOCATION: Elevation 844 ft. Watersheed Morrison Fork of Little Hurricane Creek
District Scott District County Putnam Quadranlge Scott Depot WV

6) WELL OPERATOR Teavee Oil & Gas, Inc.
ADDRESS 112 Brooks Sreet
Charleston, WV 25301

7) DESIGNATED AGENT Duane K. Bowers
ADDRESS P. O. Box 27
Winfield WV 25213

8) OIL & GAS INSPECTOR Jamie Stevens
Address 105 Kentuck Road
Kenna, WV 25248
Telephone (304)- 206-7775

9) PLUGGINGCONTRACTOR Well Service Company
Address P. O. Box 27
Winfield, WV 25213
(304)- 562-5751

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

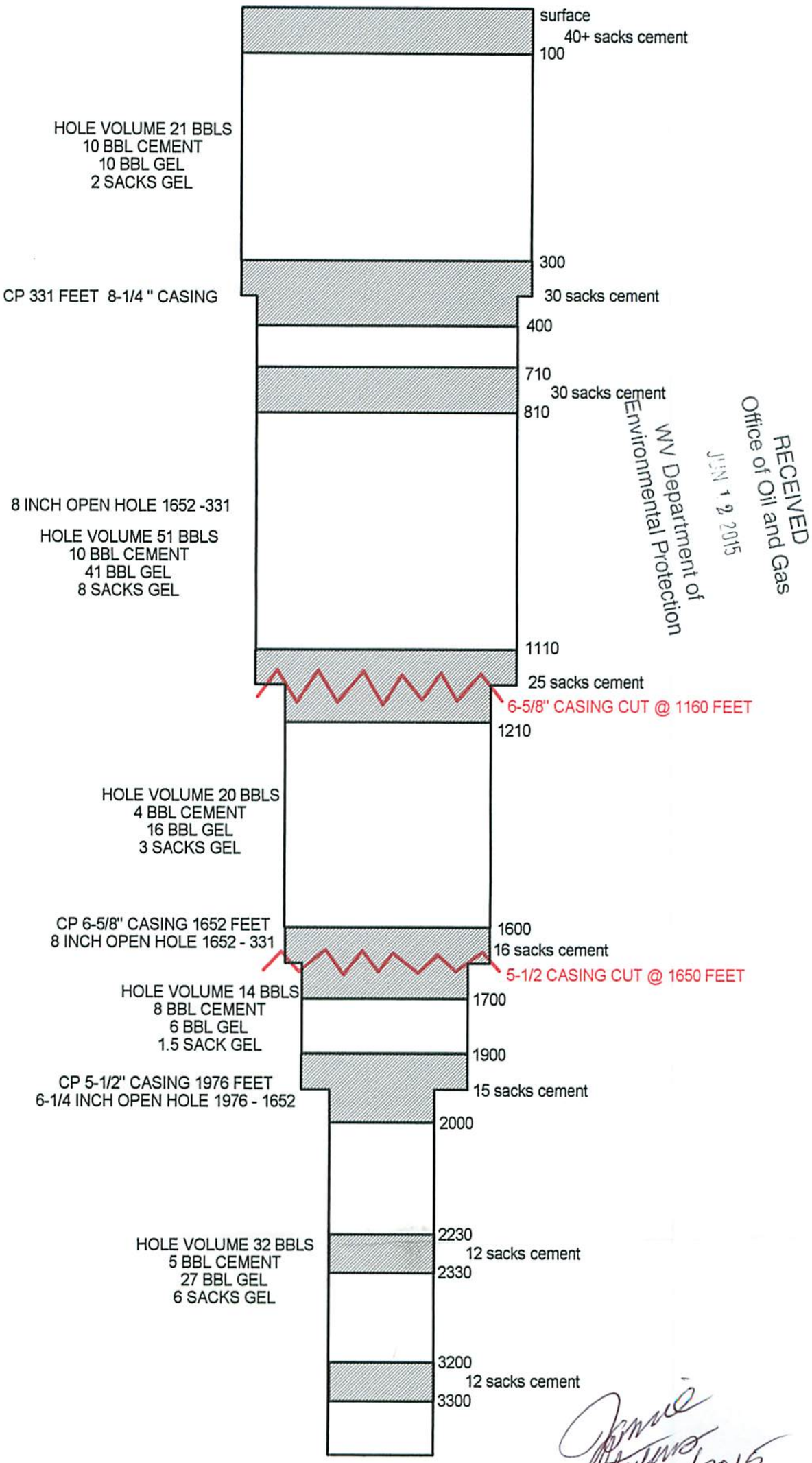
a) Move rig to location rig up dig pit and line
b) Freepoint, cut and or pull 7/8 inch drilling line.
c) Run 1-1/2 tubing to top of wireline cut
d) Set cement plug across top of wireline cut — Cement Plug 3300-3200 ft.
e) Pull tubing to Berea Sand 2284-2306 — Cement Plug 2330-2230 ft.
f) Pull 2 inch to surface.
g) Freepoint, cut and or pull 5-1/2 inch casing to 1200 ft.
h) Run tubing to 2000 feet and cement across shoe — Cement Plug across shoe 100 ft. cement
i) Pull tubing to 5-1/2 inch cut cement across cut (1650') — Cement Plug across casing cut 100 ft. cement
j) Pull tubing to surface, pull 5-1/2 inch casing to surface
k) Freepoint, cut and or pull 6-5/8 inch casing (1652') pull to 1000 feet
l) Run tubing to 6-5/8 inch casing cut, 100 feet cement plug — Cement Plug across casing cut 100 ft. cement
m) Pull tubing to 1210 ft. cement across top Salt Sand — Cement plug 1210-1110 ft.
n) Pull tubing to surface pull 6-5/8 inch casing to 300 feet
o) Run tubing to 810 ft. cement across noted salt water (785') — Cement plug 810 - 710 ft.
p) Pull tubing to 400 ft. cement across lowest freshwater — Cement plug 400 - 300 ft.
q) Pull tubing to surface and freepoint, cut and or pull 8-1/4inch casing
r) Run tubing to casing cut cement across cut — Cement Plug across casing cut 100 ft. cement
s) Pull tubing to 100 feet set top cement plug — Cement plug 100 - 0 feet
t) Set 7 inch monument 30 inchs above ground with API No. welded on side and date of plugging
u) Treat pit discharge rig down and reclaim well site and lease road

6% GEL BETWEEN ALL CEMENT PLUGS.

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

Work order approved by inspector James Stevens Date 6/9/2015

# TORMEY #1 47-079-00658-P

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Jamie Stevens 6/9/2015

79-00658H

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

# WELL RECORD

Quadrangle Winfield

Permit No. 658-D - Put

Oil or Gas Well Gas

Company V. C. Smith
Address 1901 Kan. Valley Bldg., Chas., W. Va.
Farm W. M. Tormey Acres 128
Location (waters) Morrison Fork
Well No. 1 Elev. 831
District Scott County Putnam
The surface of tract is owned in fee by W. M. Tormey
Address St. Albans, W. Va.
Mineral rights are owned by W. M. Tormey
Address St. Albans, W. Va.
Drilling commenced 10-29-58
Drilling completed 1-23-59
Date Shot June 23, 59 From 3486 To 4615
With $NH_4NO_3$
Open Flow 38 /10ths Water in one (1) Inch
/10ths Merc. in Inch
Volume 71,000 Cu. Ft.
Rock Pressure 146 lbs. 18½ hrs.
Oil None bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|---|---|---|---|
| Size | | | |
| 18 | | | Kind of Packer N/A |
| 13 | | | |
| 10 | | | Size of |
| 8¼ | | | |
| 6⅝ | | | Depth set |
| 5 3/16 | 1978'3" | 1978'3" | |
| 3 | | | Perf. top |
| 2 | 4031'3" | 10' | Perf. bottom |
| Liners Used | | | Perf. top |
| 7/8" line | | 3500' | Perf. bottom |
| rope knife | | | |

CASING CEMENTED N/A SIZE No. Ft. Date

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 |
|---|---|---|---|---|---|---|---|
| Injun Sand | | | 58 | 1871 | | | |
| Lime Shell | | | 18 | 1889 | | | |
| Slate & Shells | | | 361 | 2250 | | | |
| Coffee Shale | | | 34 | 2284 | | | |
| Berea Gritt | | | 24 | 2308 | | | |
| Slate & Shells | | | 1184 | 3492 | | | |
| Brown Shale | | | 43 | 3535 | | | |
| Slate & Shells | | | 170 | 3705 | | | |
| Brown Shale | | | 190 | 3895 | | | |
| Slate & Shells | | | 118 | 4013 | | | |
| Brown Shale | | | 22 | 4035 | | | |
| Slate & Shells | | | 180 | 4215 | | | |
| Marc. Shale | | | 229 | 4444 | | | |
| Corniferous Lime | | | | 4626 | | | |

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6/9/2015

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(Over)

79-00658P

Jamie 6/9/2015

TORMEY #1 CELIA OIL AND GAS COMPANY

P. O. Scott Depot Putnam County Scott District West Virginia

Contractor E. R. Cameron Drillers E. E. Samples and S. C. Mitchell

Commenced March 1, 1928 Completed April 16, 1928, TOTAL DEPTH 1826'

| Formation | Top | Bottom | Thickness | |
|---|---|---|---|---|
| Clay | 0 | 20 | 20 | Conductor 8' |
| Red Rock | 20 | 60 | 40 | |
| Slate | 60 | 90 | 30 | 4 Bailers Water 785' |
| Lime | 90 | 110 | 20 | |
| Red Rock | 110 | 155 | 45 | Hole Full Water 1365' |
| Sand | 155 | 200 | 45 | |
| Red Rock | 200 | 288 | 88 | First Gas Pay 1821-1822 |
| Slate | 288 | 300 | 12 | Second " " 1824-1825 |
| Red Rock | 300 | 375 | 75 | |
| Lime | 375 | 415 | 40 | Gas Test when closed |
| Red Rock | 415 | 475 | 60 | in 16/10M3" |
| Lime | 475 | 500 | 25 | |
| Slate | 500 | 550 | 50 | 1826'1" Tubing used as |
| Lime Shells | 550 | 625 | 75 | siphon and connected to |
| Lime | 625 | 675 | 50 | spiral drip |
| Sand | 675 | 770 | 95 | |
| Slate | 770 | 775 | 5 | Shot October 1931 |
| Sand | 775 | 825 | 50 | 1 Case 60% Dynamite |
| Lime Shells | 825 | 1070 | 245 | from 1820'-1826'-4/10W2" |
| Slate | 1070 | 1185 | 115 | Pulled tubing, removed |
| Salt Sand | 1185 | 1572 | 387 | perforated Collars and |
| Slate | 1572 | 1582 | 10 | run tubing again. |
| Little Lime | 1582 | 1619 | 37 | |
| Pencil Cave | 1619 | 1622 | 3 | |
| Big Lime | 1622 | 1790 | 168 | |
| Break | 1790 | 1792 | 2 | |
| Kenner Sand | 1792 | 1820 | 28 | |
| Big Engine | 1820 | 1826 | 6 | |
| TOTAL DEPTH | | | 1826 | |

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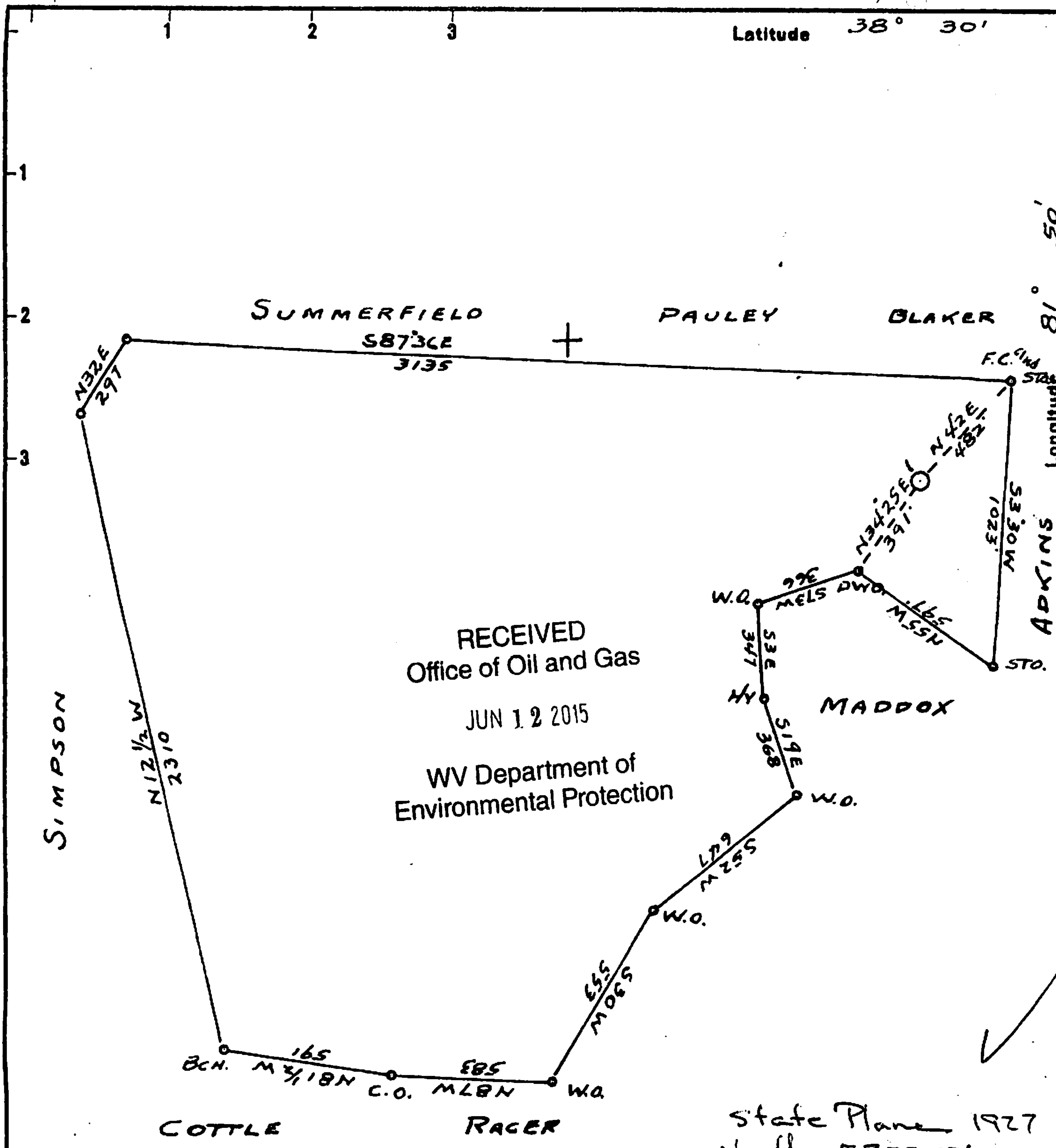
CASING RECORD:

| Size | Run | Pulled |
|---|---|---|
| 8¼" | 331'2" | |
| 6 5/8" | 1552' | |

1" Tubing 1826'

79 00658 P

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State Plane 1927
North - 535739'
East - 1711368'

North - 535769' 1983
East - 1711422'
Elev. 844.25'

UTM
Easting - 421667 m
Northing - 4258115 m
Elev. 257.329 m

New Location ☐
Drill Deeper ☒
Abandonment ☐

Company V.C. SMITH
Address CHARLESTON, W. VA.
Farm W. M. TORMEY
Tract ______ Acres 128 Lease No. ______
Well (Farm) No. 1 Serial No. ______
Elevation (Spirit Level) 831.
Quadrangle ST. ALBANS
County PUTNAM District SCOTT
Engineer JOHN GALPIN
Engineer's Registration No. 875
File No. ______ Drawing No. ______
Date 10-10-58 Scale 1" = 500'

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

# WELL LOCATION MAP

FILE NO. PUT-658-D

+ 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.

7900658 f

WW4-A
Revised
2/01

1) Date: 06/01/2015
2) Operator's Well Number
Tormey #1

3) API Well No.: 47 - 079 - 00658-P

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT**
**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: Thomas J. Gallagher et al
Address: 160 Bums Road
Scott Depot, WV 25560-9784
(b) Name:
Address:
(c) Name:
Address:

6) Inspector: Jamie Stevens
Address: 105 Kentuck Road
Kenna, WV 25248
Telephone: (304)- 206-7775

5) (a) Coal Operator
Name: N/A
Address:

(b) Coal Owner(s) with Declaration
Name: N/A
Address:
Name: N/A
Address:

(c) Coal Lessee with Declaration
Name: N/A
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.

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Well Operator: TEAVEE OIL & GAS, INC
By: Duane K. Bowers
Its: Designated Agent
Address: P. O. Box 27
Winfield, WV 25213
Telephone: (304)- 586-9699

Subscribed and sworn before me this 1st day of June 2015
Notary Public
My Commission Expires April 3, 2016

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CHRISTIAN V. SMITH
P. O. BOX 27
WINFIELD, WV 25213
My commission expires April 3, 2016

Teavee Oil & Gas, Inc.

47-079-00658 P

# SURFACE OWNER WAIVER

Operator's Well Number Tormey #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.**

## 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.

Harrison J. Gallagher Date 6/19/2015
Signature

FOR EXECUTION BY A CORPORATION,

Name _____
By _____
Its _____ Date _____

Signature Date

7900658 P

FORM WW-9
Rev. 02/01

Page _____ of _____
API Number 47 – 079 - 00658-P
Operator's Well No. Tormey #1

**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 TEAVEE OIL & GAS, INC. OP Code 306769
Watershed Morrison Fork of Little Hurricane Creek Quadrangle Scott Depot West Virginia

Elevation 844 feet County Putnam County District Scott District

Description of anticipated Pit Waste: Plugging fluids: Gel, cement, salt water, fresh water, crude oil
Will a synthetic liner be used in the pit? YES 20ML.

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Proposed Disposal Method For Treated Pit Wastes:

XXXX Land Application
_____ Underground Injection ( UIC Permit Number _____ )
_____ Reuse (at API Number _____ )
_____ Off Site Disppposal (Supply form WW-9 for disposal location)
_____ Other (Explain _____

Proposed Work For Which Pit Will Be Used:

_____ Drilling _____ Swabbing
_____ Workover XXXX Plugging
_____ Other (Explain _____

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 Duane K. Bowers

Company Official (Typed Name) Duane K. Bowers

Company Official Title Designated Agent.

Subscribed and sworn before me this 15th day of June, 2015

Notory Public

My commission expires April 3, 2016

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CHRISTIAN V. SMITH
P. O. BOX 27
WINFIELD, WV 25213
My commission expires April 3, 2016

7900658P

**LEGEND**

| | |
|---|---|
| Property Boundary | Diversion |
| Road | Spring |
| Existing Fence | Wet Spot |
| Planned Fence | Drain Pipe with size in inches |
| Stream | Waterway |
| Open Ditch | Cross Drain |
| Rock | Artificial Filter Strip |
| North | Pit: cut walls |
| Buildings | Pit: compacted fill walls |
| Water wells | Area for Land Application of Pit Waste |
| Drill site | |

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Proposed Revegetation Treatment: Acres Disturbed **< ½ acre** Prevegetation pH **+- 6.0**

Lime **2** Tons/acre or to correct to pH **+- 7.0**

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

Mulch **2** Tons/acre

Seed Mixtures

| Area I ( Road ) Seed Type | lbs/acre | Area II (Well Site) Seed Type | lbs/acre |
|---|---|---|---|
| **Kentucky 31 Tall Fescue** | **100** | **Kentucky 31 Tall Fescue** | **100** |
| **Ladino Clover** | **10** | **Ladino Clover** | **10** |
| **Winter Wheat or Oats** | **100** | **Winter Wheat or Oats** | **100** |

Attach:
Drawing(s) of road, location,pit and proposed area for land application. (Drawing Not Required For Plugging Permits)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: James Stevens

Title: Inspector Date: 6/9/2015

Field Reviewed? (✓) Yes ( ) No

7900658P

79-000658P

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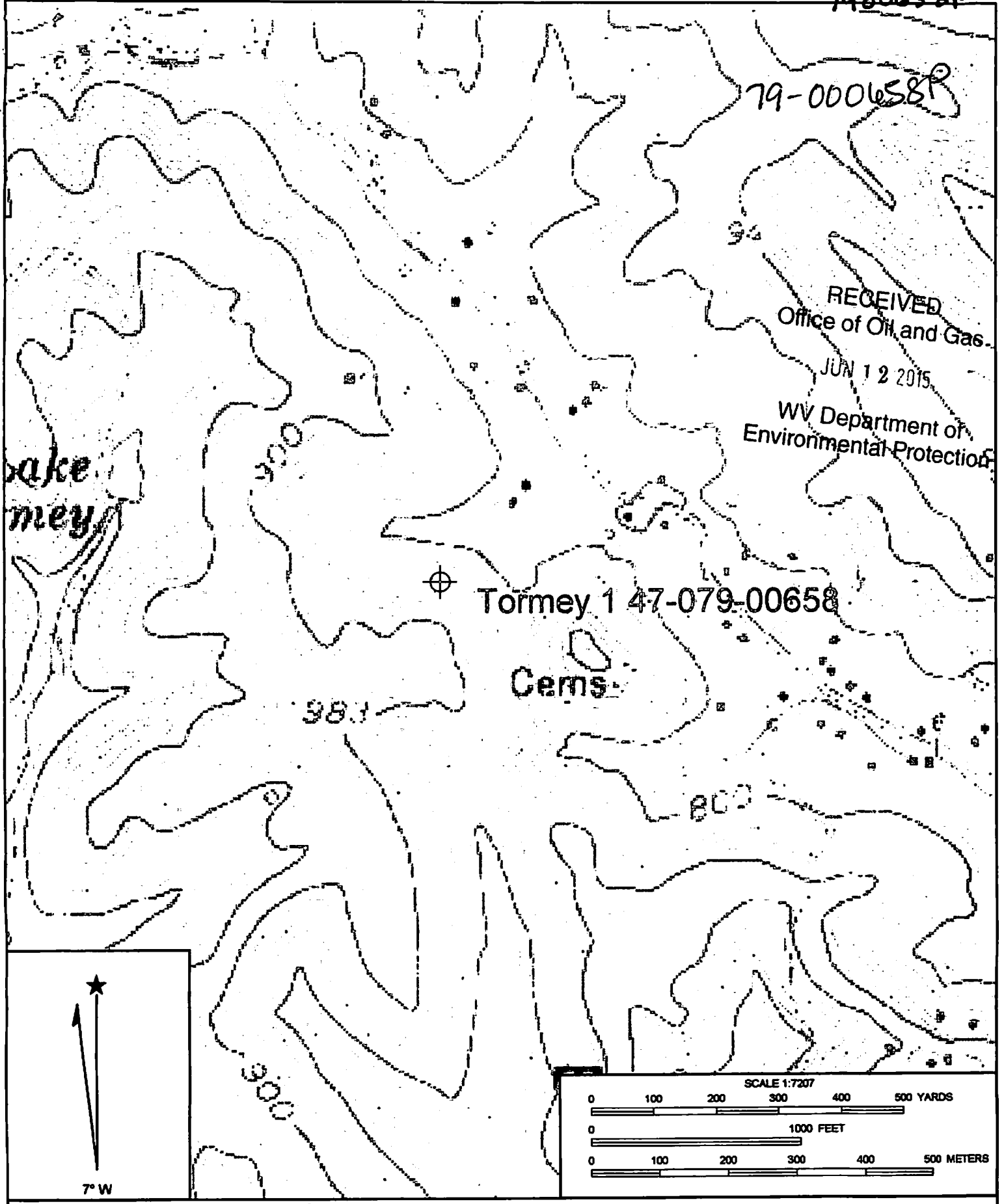


Name: SCOTT DEPOT
Date: 3/7/2011
Scale: 1 inch equals 601 feet

6/24/2014 CE 9/2015

Location: 17 0421744 E 4258086 N
Caption: TORMEY #1 47-079-00658

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7900658P

FORM WW-7
8-30-06

West Virginia Department of Environmental Protection
Office of Oil and Gas

# WELL LOCATION FORM: GPS

**API:** 47-079-00658-P **WELL NO:** TORMEY #1

**FARM NAME:** W. M. TORMEY

**RESPONSIBLE PARTY NAME:** DUANE K. BOWERS DESIGNATED AGENT

**COUNTY:** PUTNAM COUNTY **DISTRICT:** SCOTT DISTRICT

**QUADRANGLE:** SCOTT DEPOT, WEST VIRGINIA

**SURFACE OWNER:** THOMAS J. GALLAGHER etal

**ROYALTY OWNER:** THOMAS J. GALLAGHER etal

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**UTM GPS NORTHING:** 4258114.901 METERS

**UTM GPS EASTING:** 17 421667.137 METERS **GPS ELEVATION:** 257.329 METERS (844')

**The responsible party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit 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.**

**COMPANY:** TEAVEE OIL & GAS, INC.

DUANE K. BOWERS LICENSED NO. 19[illegible] STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

**Signature**

PROFESSIONAL SURVEYOR
**Title**

03/05/2011
**Date**

6/9/2015