



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 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: TORMEY 1
Farm Name: GALLAGHER, THOMAS J., ET AL
API Well Number: 47-7900658
Permit Type: Plugging
Date Issued: 07/31/2015

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. 7) DESIGNATED AGENT Duane K. Bowers
ADDRESS 112 Brooks Sreet ADDRESS P. O. Box 27
Charleston, WV 25301 Winfield WV 25213

8) OIL & GAS INSPECTOR Jamie Stevens 9) PLUGGING CONTRACTOR Well Service Company
Address 105 Kentuck Road Address P. O. Box 27
Kenna, WV 25248 Winfield, WV 25213
Telephone (304)- 206-7775 (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
- e) Pull tubing to Berea Sand 2284-2306
- 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
- i) Pull tubing to 5-1/2 inch cut cement across cut (1650')
- 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
- m) Pull tubing to 1210 ft. cement across top Salt Sand
- 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')
- p) Pull tubing to 400 ft. cement across lowest freshwater
- q) Pull tubing to surface and freepoint, cut and or pull 8-1/4 inch casing
- r) Run tubing to casing cut cement across cut
- s) Pull tubing to 100 feet set top cement plug
- 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

WV Department of
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Cement Plug 3300-3200 ft.
Cement Plug 2330-2230 ft.

Cement Plug across shoe 100 ft. cement
Cement Plug across casing cut 100 ft. cement

Cement Plug across casing cut 100 ft. cement
Cement plug 1210-1110 ft.

Cement plug 810 - 710 ft.
Cement plug 400 - 300 ft.

Cement Plug across casing cut 100 ft. cement
Cement plug 100 - 0 feet

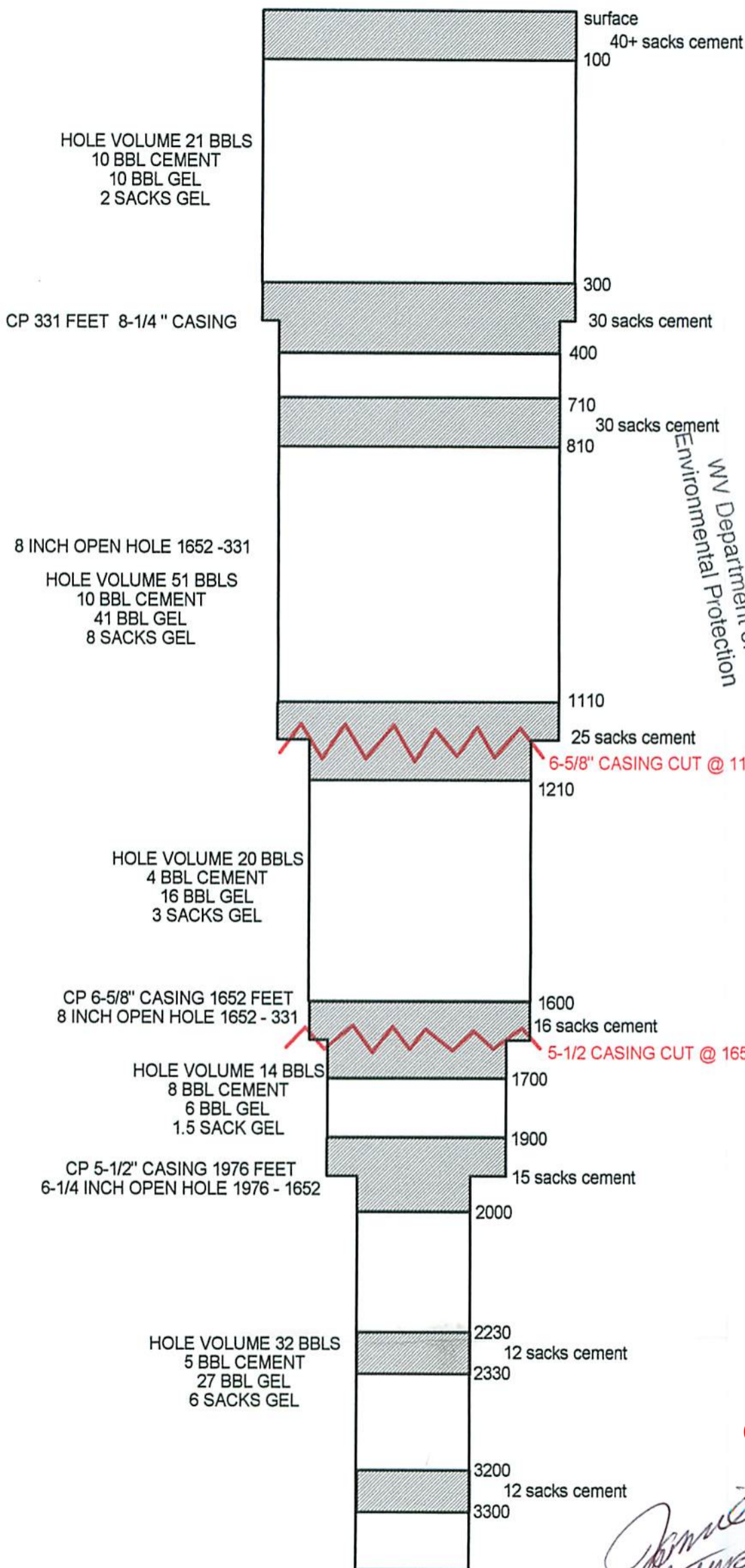
7% GEL BETWEEN ALL CEMENT PLUGS.

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

07/31/2015

TORMEY #1 47-079-00658-P



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07/31/2015

Handwritten signature and date:
 [Signature]
 6/19/2015

79-00688H



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Quadrangle Winfield

Permit No. 658-D - Pat

Oil or Gas Well Oil

Company V. G. Smith
 Address 1901 Kan. Valley Bldg., Char., W. Va.
 Farm W. M. Torrey Acres 129
 Location (waters) Morrison Fork
 Well No. 1 Elev. 831
 District Scott County Putnam
 The surface of tract is owned in fee by W. M. Torrey
 Address St. Albans, W. Va.
 Mineral rights are owned by W. M. Torrey
 Address St. Albans, W. Va.
 Drilling commenced 10-29-58
 Drilling completed 1-23-59
 Date Shot June 23, 59 From 3488 To 4616
 With NE₄ NO₂
 Open Flow 38 /10ths Water in one (1) Inch
 /10ths Merc. in _____ Inch
 Volume 71,000 Cu. Ft.
 Rock Pressure 146 lbs. 16 1/2 hrs.
 Oil None bbls., 1st 24 hrs.
 Fresh water _____ feet
 Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Remarks
Size			Kind of Pack or N/A
18			
18			Size of _____
18			Depth set _____
8 3/4			Perf. top _____
6 3/4			Perf. bottom _____
5 1/2	<u>1978' 3"</u>	<u>1978' 3"</u>	Perf. top _____
3			Perf. bottom _____
2	<u>4059' 8"</u>	<u>101</u>	Perf. top _____
Liners Used			Perf. bottom _____
<u>7/8" line</u>		<u>1800'</u>	
<u>2 1/2" line</u>			

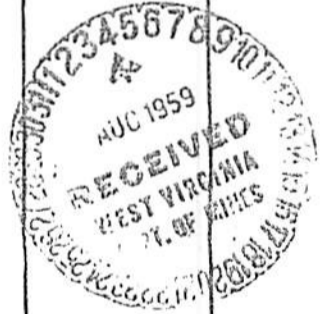
CASING CEMENTED N/A EVER No. Ft. _____ Date _____

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	1671			
Lime Shell			18	1889			
Slate & Shells			361	3380			
Coffee Shale			34	3284			
Berea Gritt			24	3206			
Slate & Shells			1184	3492			
Brown Shale			43	3685			
Slate & Shells			170	3705			
Brown Shale			190	3895			
Slate & Shells			118	4013			
Brown Shale			22	4035			
Slate & Shells			180	4216			
Maro. Shale			229	4444			
Corniferous Lime				4626			

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[Signature]



07/31/2015

79-00658P

Jamie
6/9/2015

TORMEY #1

CELIA OIL AND GAS COMPANY

B. 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 3'
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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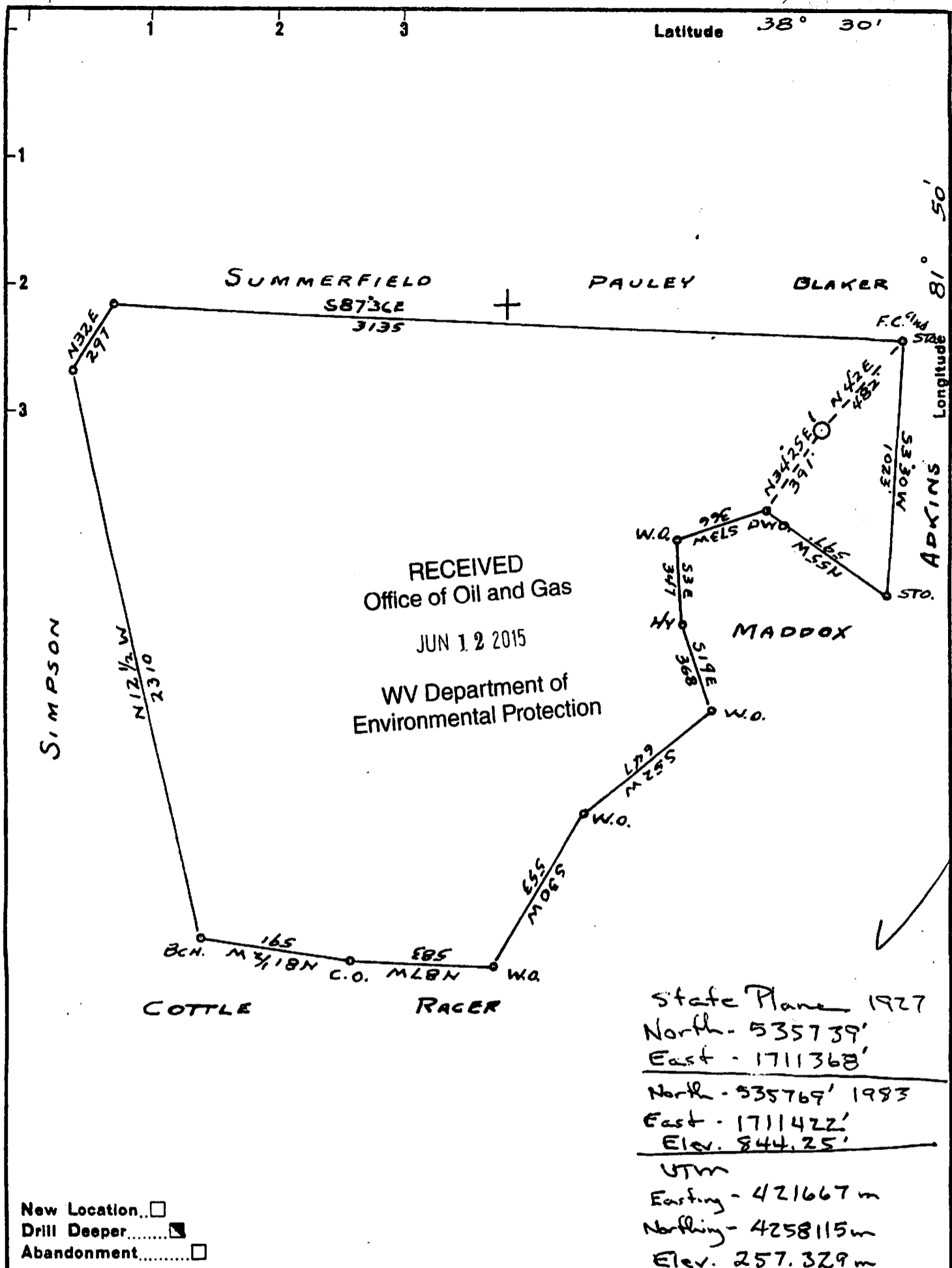
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CASING RECORD:

Size	Run	Pulled
8 1/4"	331' 3"	
6 5/8"	1352'	
1" Tubing	1826'	

07/31/2015

17/100



New Location
 Drill Deeper
 Abandonment

Company V.C. SMITH
 Address CHARLESTON, W. VA.
 Farm W.M. TORMEY
 Tract _____ Acres 12.8 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

07/31/2015

+ 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.

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 OF APPLICATION TO PLUG AND ABANDON A WELL**

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Thomas J. Gallagher et al</u>	Name <u>N/A</u>
Address <u>160 Burns Road</u>	Address _____
<u>Scott Depot, WV 25560-9784</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
_____	_____
(c) Name _____	Name <u>N/A</u>
Address _____	Address _____
_____	_____
6) Inspector <u>Jamie Stevens</u>	(c) Coal Lessee with Declaration
Address <u>105 Kentuck Road</u>	Name <u>N/A</u>
<u>Kenna, WV 25248</u>	Address _____
Telephone <u>(304)- 206-7775</u>	_____

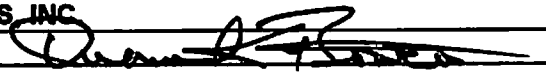
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:


- (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.

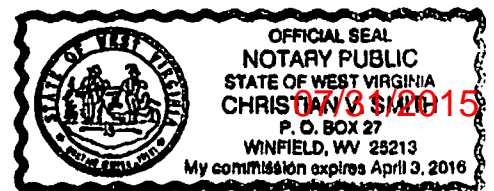
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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.

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WV Department of
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Well Operator	<u>TEAVEE OIL & GAS INC</u>
By:	<u>Duane K. Bowers</u> 
Its:	<u>Designated Agent</u>
Address	<u>P. O. Box 27</u>
	<u>Winfield, WV 25213</u>
Telephone	<u>(304)- 588-8699</u>

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



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

FOR EXECUTION BY A CORPORATION,

ETC. Thomas J. Gallagher Date 6/19/2015 Name _____
Signature By _____
Its _____

Signature Date

79 00658 P

FORM WW-9
Rev. 02/01

Page _____ of _____
API Number 47 - 079 - 00658-P
Operator's Well No. Torney #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:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location) WV Department of Environmental Protection
- Other (Explain _____)

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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 *Duane K. Bowers*

Company Official (Typed Name) Duane K. Bowers

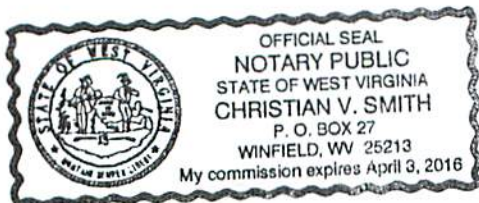
Company Official Title Designated Agent.

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

[Signature] Notary Public

My commission expires April 3, 2016

[Signature]



07/31/2015

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 < 1/2 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

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

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

79-000658P

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lake
Tormey

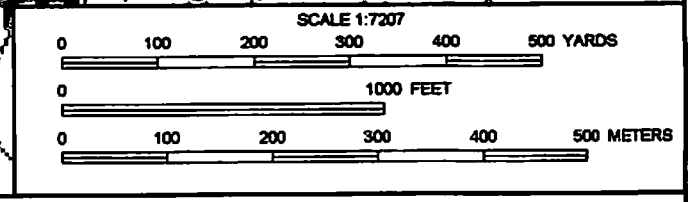
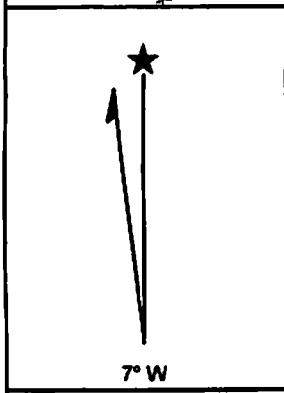
Tormey 1 47-079-00658

Cerns

383

800

300



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

Signature
6/24/2014
9/2015

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

79 00658A



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

UTM GPS NORTHING: 4258114.901 METERS

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

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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.


Signature



PROFESSIONAL SURVEYOR
Title
03/05/2011
Date



07/31/2015