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 17, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-7900585, 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: 1
Farm Name: MANNING, JOHN R.& DOROTHY
API Well Number: 47-7900585
Permit Type: Plugging
Date Issued: 07/17/2015

Promoting a healthy environment.

7900585P

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.

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WW-4B
Rev. 2/01

1) Date April 28, 2015
2) Operator's Well No. J. R. Manning #1
3) API Well No. 47-079-00585-D-P

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Office of Oil and Gas
JUN 12 2015
WV Department of Environmental Protection

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 575 feet Watershed Poca River
District Poca County Putnam Quadrangle Saint Albans

6) Well Operator Teavee Oil & Gas, Inc.
Address 112 Brooks Street
Charleston, WV 25301

7) Designated Agent Duane Bowers
Address P. O. Box 27
Winfield, WV 25213

8) Oil and Gas Inspector to be notified
Name Jamie Stevens
Address 105 Kentuck Road
Kenna, WV 25248

9) Plugging Contractor
Name Well Service Co, Div. Teavee Oil & Gas
Address P. O. Box 27
Winfield, WV 25213

10) Work Order: The work order for the manner of plugging this well is as follows:
Move rig to location rig up dig pit and line. Freepoint and or pull tubing to 4400,Gel hole to 1600' cement 4400-4500, cement 3250-3350, cement 2000-2100, Cut and or pull 5 inch casing to 1400, cement 1590-1690, pull remaining 5 inch Cut and or pull 7 inch to 400', cement 1370-1470, cement 990-1090, cement 500-600, pull remaing 7 inch to surface Cut and or pull 8-5/8 inch casing to surface, cement 150-250, cut and or pull and or perforate 10-3/4 inch casing, cement surface to 150. Set 7 inch monument with API # and Date welded on the side of the monument, skim oil from pit, treat pit, discharge pit, rig down and move, reclaim location, lease road, remove all metering facilties, tanks and associated fittings above ground.

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 Jamie Stevens Date June 1, 2015

7900585P

TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,
STORAGE, WELL SERVICING

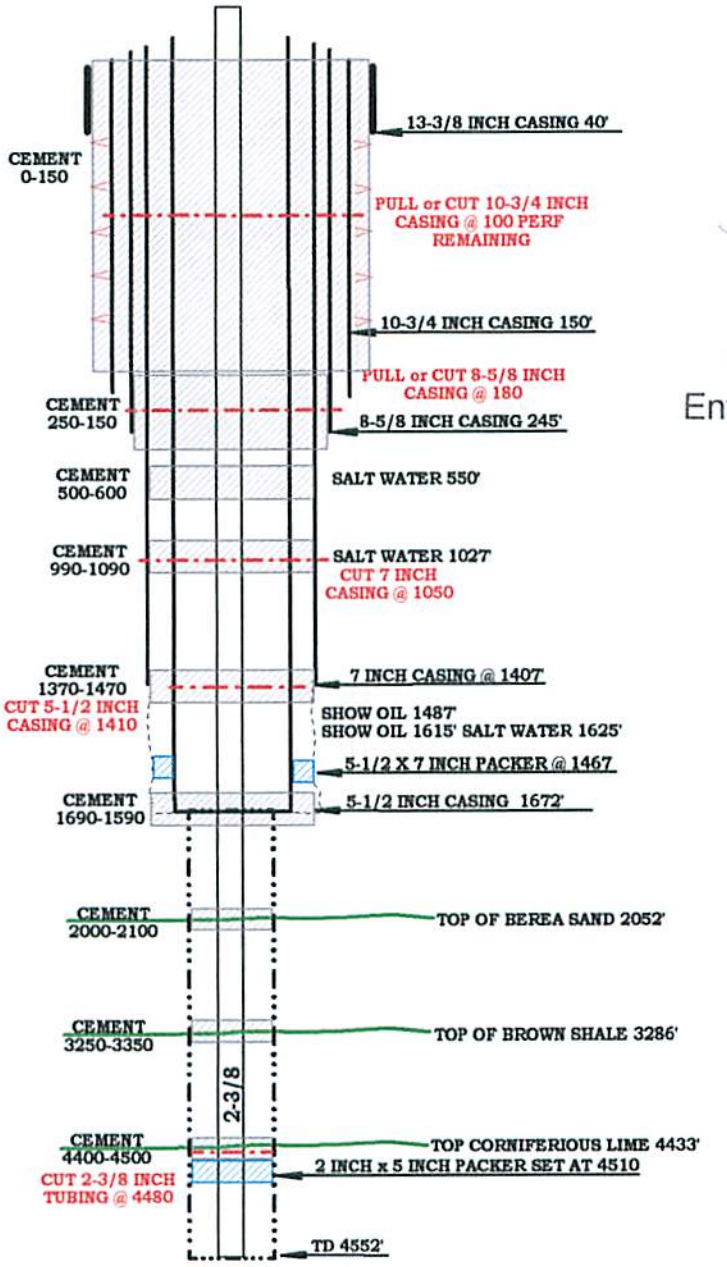
P. O. BOX 27
WINFIELD, W. VA. 25213
(304) 586-9699
FAX 586-9467

CORPORATE OFFICES

112 BROOKS STREET
CHARLESTON, W. VA. 25301
(304) 342-2125
FAX 342-6752

47-079-00585-D-P J. R. MANNING #1
POCATALICO DISTRICT, PUTNAM COUNTY, WV

WELL PLUGGING SCHEMATIC



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Quadrangle ST. ALBANS

Permit No. PUT-585

Oil or Gas Well Gas (KIND)

Company King Oil & Gas Company (F. R. Copper)
Address Box 8275 - South Charleston, W. Va.
Farm John R. & Dorothy Manning Acres 2
Location (waters) Pocatalico River
Well No. 1 Elev. 567.'
District Pocatalico County Putnam
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced September 30, 1955
Drilling completed October 31, 1955
Date Shot Acid From 1551' To 1560'
With 2000 Gallons
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 12,000,000 Cu. Ft.
Rock Pressure 540 lbs. 48 hrs.
Oil bbls., 1st 24 hrs.
Fresh water 150-152 feet 201-207 feet
Salt water 550-955 feet 1027' feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13	40'	40'	
10	150'	150'	Size of
8¼	245' 2450'	2450' 245'	
6⅝	1407'	1407'	Depth set
5 3/16			
3	1493'	1493'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED ____ 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
Top Soil			0	10			
Sand & Gravel			10	50			
Red Rock			50	55			
Sand			55	70			
Slate			70	107			
Red Rock			107	120			
Slate			120	190			
Sand			190	201			
Slate & Sand			201	210			
Sand			210	278			
Slate			278	327			
Sand			327	350			
Slate			350	380			
Sand			380	440			
Slate & Sand			440	460			
Sand			460	500			
Slate & Sand			500	550			
Salt Sand			550	597			
Slate			597	610			
Sand			610	620			
Salt Sand			620	682			
Sand			682	690			
Slate & Sand			690	760			
Sand			760	825			
Slate			825	880			
Sand			880	930			
Salt Sand			930	952	Gas after 2000 gallon acid, gaged 60/10 Hg. 3"		
Sand			952	965			
S. Sand			965	971			
Sand			971	1361			
Little Lime			1361	1400			
BIG LIME			1400	1453	Lime very hard - 1438-1448'		
Blue Slate			1453	1456	Gas 1451, 1453 and 1454		
Lime			1456	1457	Inverted Hook Wall Packer with 16 "		
Chalk - White			1457	1460	Reg. Rubber - set on 3" tubing at 1429'		

(Over)

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Form OG-10

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
DRILL DEEPER
WELL RECORD

Quadrangle St. Albans

Permit No. PUT-585D

Oil or Gas Well Gas (KIND)

Company V. Courtlandt Smith, II
Address 1901 Kanawha Valley Bldg., Chas., W.Va.
Farm John R. & Dorothy Manning Acres 2
Location (waters) Poca River
Well No. C-6 Elev. 567
District Poca County Putnam
The surface of tract is owned in fee by J. R. Manning
Address
Mineral rights are owned by Same
Address
Drilling commenced September 19, 1962
Drilling completed January 7, 1963
Date Shot Not Shot From To
With
Open Flow 22 /10ths Water in 2 Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure Not Taken lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED
WELL FRACTURED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13	40	40	Anchor
10	150	150	Size of 5½"x7.00"x10"
8¼	245	245	& 2" x 5½" x 10"
6⅝	1407	1407	Depth set 1467' and
5 3/16	1672	1672	4510'
3	1493	Pulled	Perf. top
2	4542	4542	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT
ROCK PRESSURE AFTER TREATMENT
Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Commenced Drilling						1462'	
Lime	Light	Med.	1462	1475			
Sandy Lime	Light	Hard	1475	1521			Sh. oil 1487'
Lime	Light	Hard	1521	1566			
Lime & Sand & Slate	Grey	Med.	1566	1578			
Slate			1578	1585			
Big Injun			1585	1642			Sh. oil 1615'
Slate			1642	1654			Water at 1625'
Black Lime			1654	1684			
Limey Slate			1684	1727			
Slate & Shells			1727	2052			
Coffee Shale			2052	2069			
Berea Sand			2069	2083			
Slate & Shells			2083	3286			
Brown Shale & Slate			3286	3385			
White Slate			3385	3610			
Brown Shale			3610	3789			
White Slate			3789	4210			
Brown Shale			4210	4433			Gas at 4240'
Corniferous	Blue		4433	4542			
TOTAL DEPTH				4542'			Gas at 4531'

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Dept. of Mines

(over)

79005858

10500'

13700'

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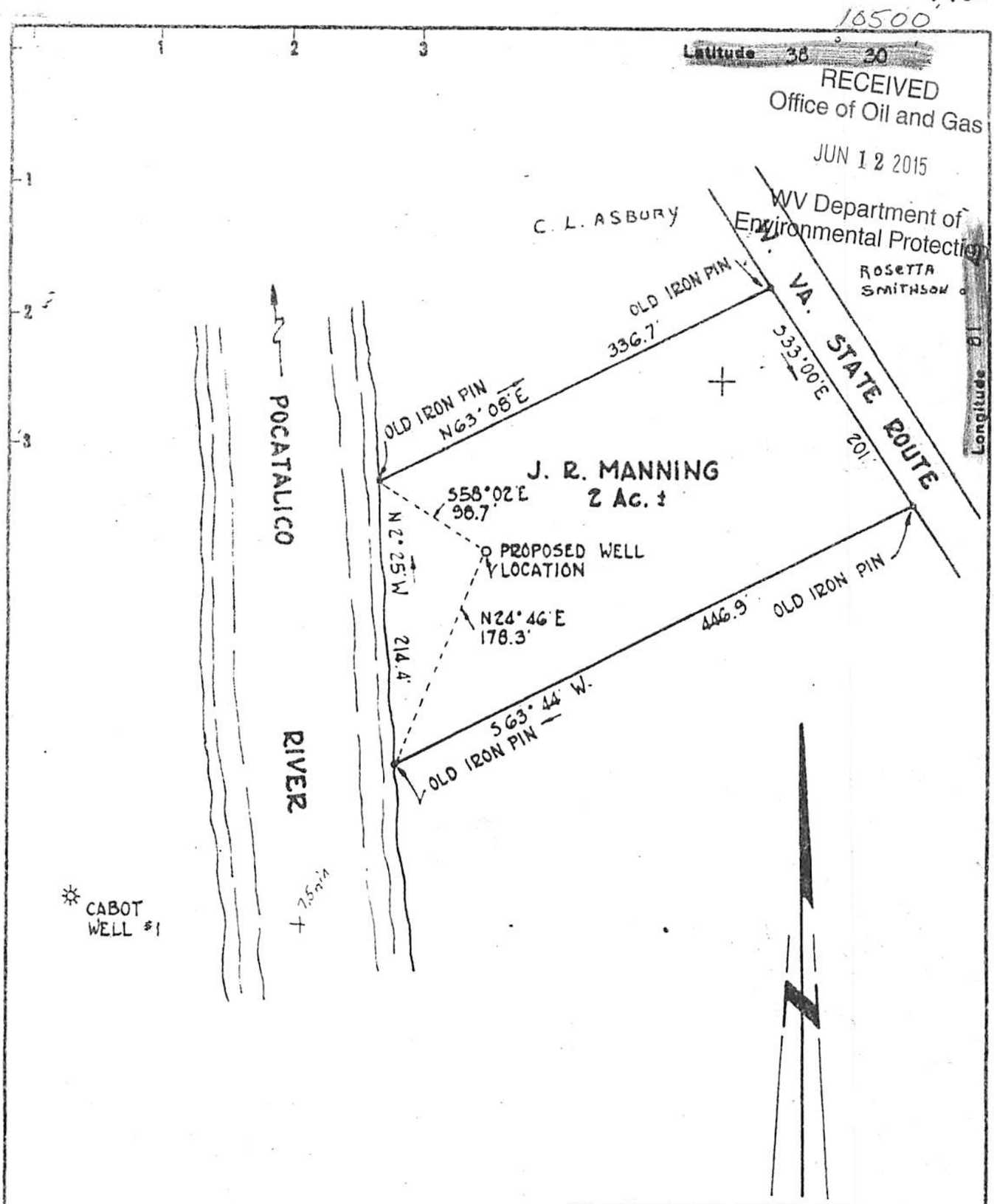
WV Department of
Environmental Protection



TO BE DRILLED DEEPER BY:

V. COURTLANDT SMITH, II
1901 KANAWHA VALLEY BUILDING
CHARLESTON 1, WEST VIRGINIA
9-4-62

New Location ☒
Drill Deeper ☐
Abandonment ☐

Company KING OIL & GAS CO.
Address SOUTH CHARLESTON, W. VA.
Farm MANNING #1
Tract _____ Acres 2± Lease No. _____
Well (Farm) No. ONE Serial No. _____
Elevation (Spirit Level) 567.
Quadrangle ST. ALBANS-1-NE
County PUTNAM District POCATALICO
Engineer HOLSCLAW-BOWEN ENG.R. CO.
JOHN A. HOLSCLAW
Engineer's Registration No. 1341
File No. _____ Drawing No. _____
Date AUG. 28. 1955. Scale 1"=100'

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

WELL LOCATION MAP

FILE NO. PUT-585-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.

79 00585P

WW-4A
Revised 6-07

1) Date: April 28, 2015
2) Operator's Well Number
J. R. Manning #1

3) API Well No.: 47 - 079 - 00585 -D-P

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

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WV Department of
Environmental Protection

4) Surface Owner(s) to be served:
(a) Name: Christopher K. McClanahan
Address: 493 DuPont Road
Poca, WV 25159

(b) Name
Address

(c) Name
Address

5) (a) Coal Operator
Name
Address

(b) Coal Owner(s) with Declaration
Name
Address

Name
Address

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

(c) Coal Lessee with Declaration
Name
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.

Well Operator: Teavee Oil & Gas, Inc.
By:
Its: Designated Agent
Address: P. O. Box 27
Winfield WV 25213
Telephone: 304-586-9699

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
COURTLANDT L. SMITH
ONE COMSTOCK PLACE
CHARLESTON, WV 25314
My commission expires July 10, 2016

Subscribed and sworn before me this 28TH day of APRIL, 2015
Notary Public
My Commission Expires JULY 10, 2016

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

7900585P

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 079 - 00585-D-P
Operator's Well No. J. R. Manning #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 Poca River Quadrangle Saint Albans WV

Elevation 575' County Putnam District Poca

Description of anticipated Pit Waste: Salt water, oil, bentonite gel, cement

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

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Proposed Disposal Method For Treated Pit Wastes:
- XXX Land Application
- _____ Underground Injection (UIC Permit Number _____
- _____ Reuse (at API Number _____
- _____ Off Site Dispposal (Supply form WW-9 for disposal location)
- _____ Other (Explain _____

Proposed Work For Which Pit Will Be Used:
- _____ Drilling
- _____ Workover
- _____ Other (Explain _____
- _____ Swabbing
- XXX 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) Duane K. Bowers

Company Official Title Designated Agent

Subscribed and sworn before me this 28th day of APRIL, 2015

6/1/2015

_____ Notory Public

My commission expires JULY 10, 2016

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
COURTLANDT L. SMITH
ONE COMSTOCK PLACE
CHARLESTON, WV 25314
My commission expires July 10, 2016

7900585P

Form WW-9

Operator's Well No. J. R. Manning #1

LEGEND

Property Boundary
Road
Existing Fence
Planned Fence
Stream
Open Ditch
Rock
North N
Buildings
Water wells W
Drill site

Diversion
Spring
Wet Spot
Drain Pipe with size in inches 12
Waterway
Cross Drain
Artificial Filter Strip
Pit: cut walls
Pit: compacted fill walls
Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed < 1.00 acres Prevegetation pH 6.5

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

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Seed Mixtures

Area I Seed Type	lbs/acre	Area II Seed Type	lbs/acre
Kentucky 31 tall Fescue	100	Kentucky 31 Tall Fescue	100
Ladino Clover	10	Ladino Clover	10
Wheat	100	Wheat	100

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

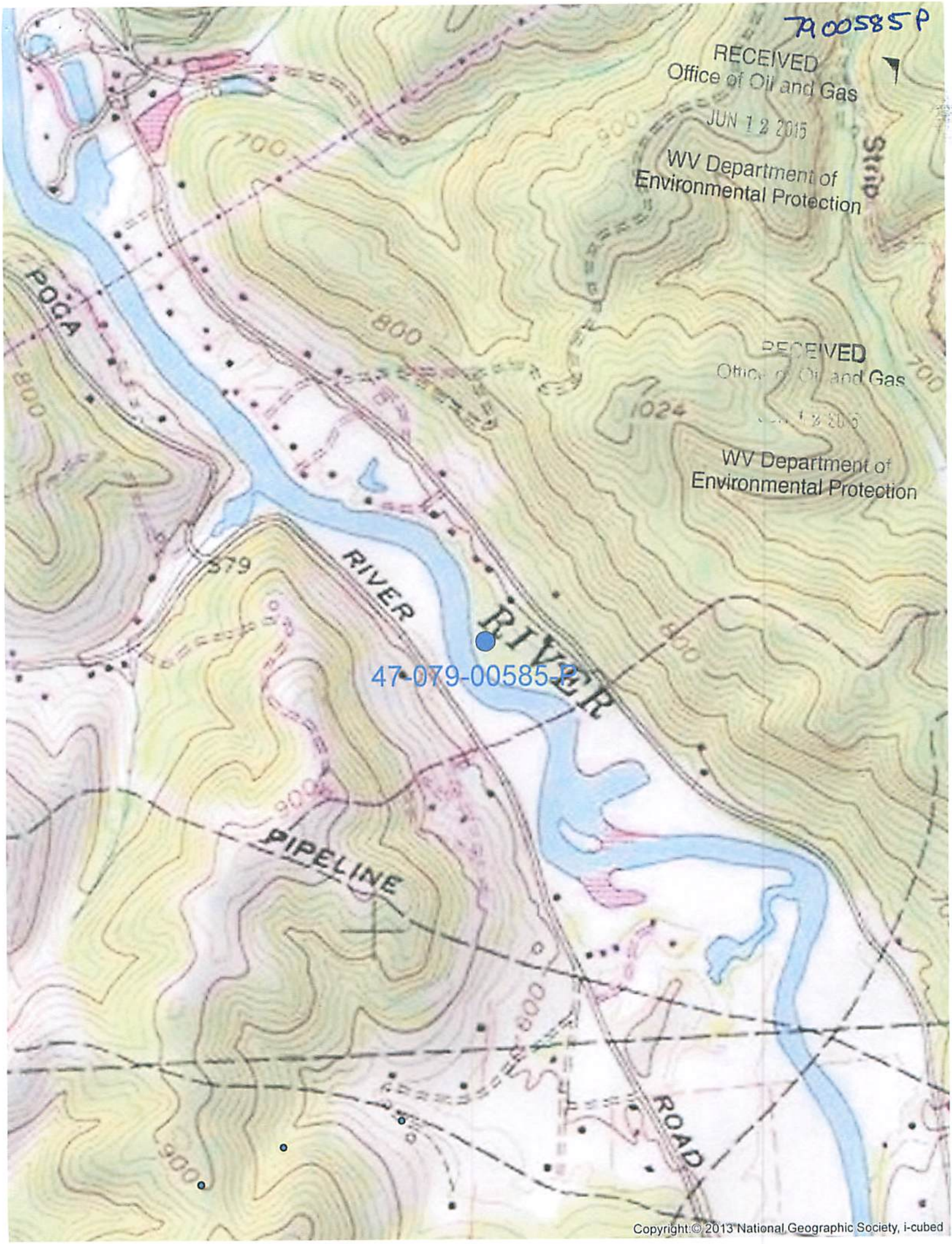
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Jamie Stevens

Comments:

Title: Inspector Date: 6/1/2015

Field Reviewed? (✓) Yes ( ) No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POCA
RIVER
RIVER
47-079-00585-P
PIPELINE
ROAD
Strip
700
800
900
1024
579
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West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

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API: 47-079-00585-P **WELL NO:** J. R. MANNING #1

FARM NAME: J. R. MANNING

RESPONSIBLE PARTY NAME: DUANE K. BOWERS DESIGNATED AGENT

COUNTY: PUTNAM COUNTY **DISTRICT:** POCA DISTRICT

QUADRANGLE: SAINT ALBANS, WEST VIRGINIA

SURFACE OWNER: CHRISTOPHER K. McCLANAHAN

ROYALTY OWNER: JOSEPH SHANK

UTM GPS NORTHING: 4257571.03 METERS

UTM GPS EASTING: 17 431155.11 METERS **GPS ELEVATION:** 175.13 METERS (575')

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 ____

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.

TEAVEE OIL & GAS, INC.

DESIGNATED AGENT
Signature **Title**

05/27/2015
Date

DUANE K. BOWERS
LICENSED
NO. 1995
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR