



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, November 13, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

TEAVEE OIL & GAS, INC.
112 BROOKS STREET

CHARLESTON, WV 253010000

Re: Permit approval for TV-83
47-079-00724-00-00

This well work permit 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 any additional specific 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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: TV-83
Farm Name: ARMSTRONG, GEORGE F.
U.S. WELL NUMBER: 47-079-00724-00-00
Vertical Plugging
Date Issued: 11/13/2019

I

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B
Rev. 2/01 RECEIVED
Office of Oil and Gas

1) Date October 21, 20 19
2) Operator's Well No. TV-83
3) API Well No. 47-079-00724-P

NOV 06 2019

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 XX / Liquid injection / Waste disposal /
(If "Gas, Production XX or Underground storage) Deep XX / Shallow

5) Location: Elevation 601' Watershed Poplar Fork of Hurricane Creek
District Scott County Putnam Quadrangle Scott Depot

6) Well Operator Teavee Oil & Gas, Inc. 7) Designated Agent Duane K. Bowers
Address 112 Brooks Street Address P. O. Box 27
Charleston, WV 25301 Winfield, WV 25213

8) Oil and Gas Inspector to be notified Name Jeffery L. Smith
Address 5369 Big Tyler Road
Cross Lanes WV 25313
9) Plugging Contractor Name Rick Duckworth LLC
Address 1740 Lower Mill Creek Road
Frametown, WV 26623

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

- a. Mobilize to well site
- b. Improve and level site
- c. Rig up all equipment
- d. Cut, pull or shot 2 inch tubing at top of packer and or free point
- e. Gel hole and set LATEX cement plug at cut or 4264 - 4164 14 sacks LATEX CEMENT
- f. Pull 2 inch tubing to +- 3550 feet cement plug at 3550 - 3450 14 sacks
- g. Pull 2 inch tubing to +-2235 feet cement plug 2235 - 2135 14 sacks
- h. Pull 2 inch tubing to 1922' feet set cement plug across casing shoe 1850 - 1750 15 sacks 1922' - 1772'
- i. Pull all tubing to surface Rig up to pull, cut or wireline cut 5-1/2 casing at free point, cut 5-1/2 casing pull to 1000 feet
- j. RIH 2 inch tubing to cut and set 100 foot cement plug at or near 1500 feet
- k. Pull 2 inch tubing to +- 1500 feet set cement plug across Big Lime 1500 - 1400 35 sacks
- l. Pull all 2 inch tubing to surface
- m. Pull remaining 5-1/2 casing to 400 feet
- n. Pull 2 inch tubing to sea level plug +- 601 feet 650 - 550 35 sacks
- o. Pull 2 inch tubing to surface, Pull all 5-1/2 casing to surface
- p. RIH 2 inch tubing to 350 feet to set fresh water plug 350-250 35 sacks
- q. Pull 2 inch to surface rig up and attempt to pull, cut and or rip holes in 8-5/8 casing * 8 1/4" CASING, IF CTS DO NOT RIP.
- r. RIH 100 feet set top hole plug 45 sacks set 7 inch by 30 inch above ground monument with tag API Number
- s. rig down clean up location reclaim all disturbed areas

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

Work order approved by inspector *Jeffery L. Smith* Date 10-30-19



TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,
STORAGE, WELL SERVICING

CORPORATE OFFICES

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

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

WELL SCHEMATIC

47-079-00724-P TV-83 DONALD CONARD
SCOTT DISRTICT PUTNAM COUNTY WV

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Office of Oil and Gas

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WV Department of
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S. L. ELEV. PLUG 601 FEET

FRESH WATER PLUG

BIG LIME 1456-1637

CEMENT PLUG CASING SHOE
30 SACKS CEMENT

BEREA SAND 2179-2217

TOP BROWN SHALE 3520 FEET

CORNIFEROUS
LIME

TD 4337

CASING HEADS

Casing Point 10-3/4 inch
PULLED DURING DRILLING

ATTEMPT TO PULL
CUT OR RIP HOLES

Casing Point 8-5/8 inch 57 feet

CEMENT PLUG 350-250
35 SACKS CEMENT

CEMENT PLUG 650-550
35 SACKS CEMENT

CEMENT PLUG 1500-1400
35 SACKS CEMENT

PROPOSED CASING CUT

Casing Point 5-1/2 inch 1823 feet

CEMENT PLUG 2235-2135
14 SACKS CEMENT

CEMENT PLUG 3550-3450
14 SACKS CEMENT

LATEX CEMENT PLUG 4264 -4164
14 SACKS LATEX CEMENT

ISOLATION PACKER
4264 FEET PARMACO

GAS SAND 4310'

★ JRM
(150' CEMENT) PLUG
50' INSIDE 5 1/2"
100' BELOW 5 1/2"
FROM 1422' - 1772'



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4

Rotary
Spudder
Cable Tools
Storage

Quadrangle St. Albans

WELL RECORD

Permit No. FVT-724

Oil or Gas Well Gas
(KIND)

Company Teaven Oil & Gas, Inc.
Address Winfield, West Virginia
Farm Donald Conard Acres 119.6
Location (waters) Poplar Fork
Well No. 83 Elev. 595.6
District Scott County Putnam
The surface of tract is owned in fee by Donald Conard
Address Hurricane, W. Va.
Mineral rights are owned by Donald Conard
Address Hurricane, W. Va.
Drilling commenced 5-16-67
Drilling completed 6-8-67
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 84,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

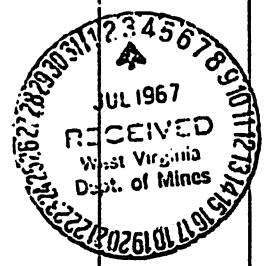
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>Farmaco</u> <u>Type A upside down</u>
13			
10	<u>31.5</u>	<u>0</u>	Size of <u>2x5x16</u>
8 3/4	<u>57'.1"</u>	<u>57'.1"</u>	Depth set <u>4264</u>
6 3/4			<u>Tee on bottom it.</u>
5 3/16	<u>1822.9</u>	<u>1822.9</u>	
3			Perf. top _____
2		<u>4326</u>	Perf. bottom _____
Linera Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8" SIZE 57.1 No. Ft. 5-13-67 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
Surface	Red		0	2			
Red Clay			2-	10			
Sand & Gravel			10	40			
Blue Rock			40	90			
Red Rock			90-	105			
Blue Slate			105	170			
Slate			170	185			
Sand			185	210			
Slate			210	270			
Red Rock			270	300			
Slate			300	705			
Sand			705	780			
Slate			780	800			
Sand			800	825			
Slate			825	840			
Sand			840	860			
Slate			860	918			
Sand			918	938			
Slate			938	980			
Sand			980	1028			
Slate			1020	1115			
Sand			1115	1390			
Slate			1390	1410			
Sand			1410	1456			
Lime			1456	1637			
Slate			1637	1700			
Sand		Broke Soft	1700	1750			
Slate & Shale			1750	2164			

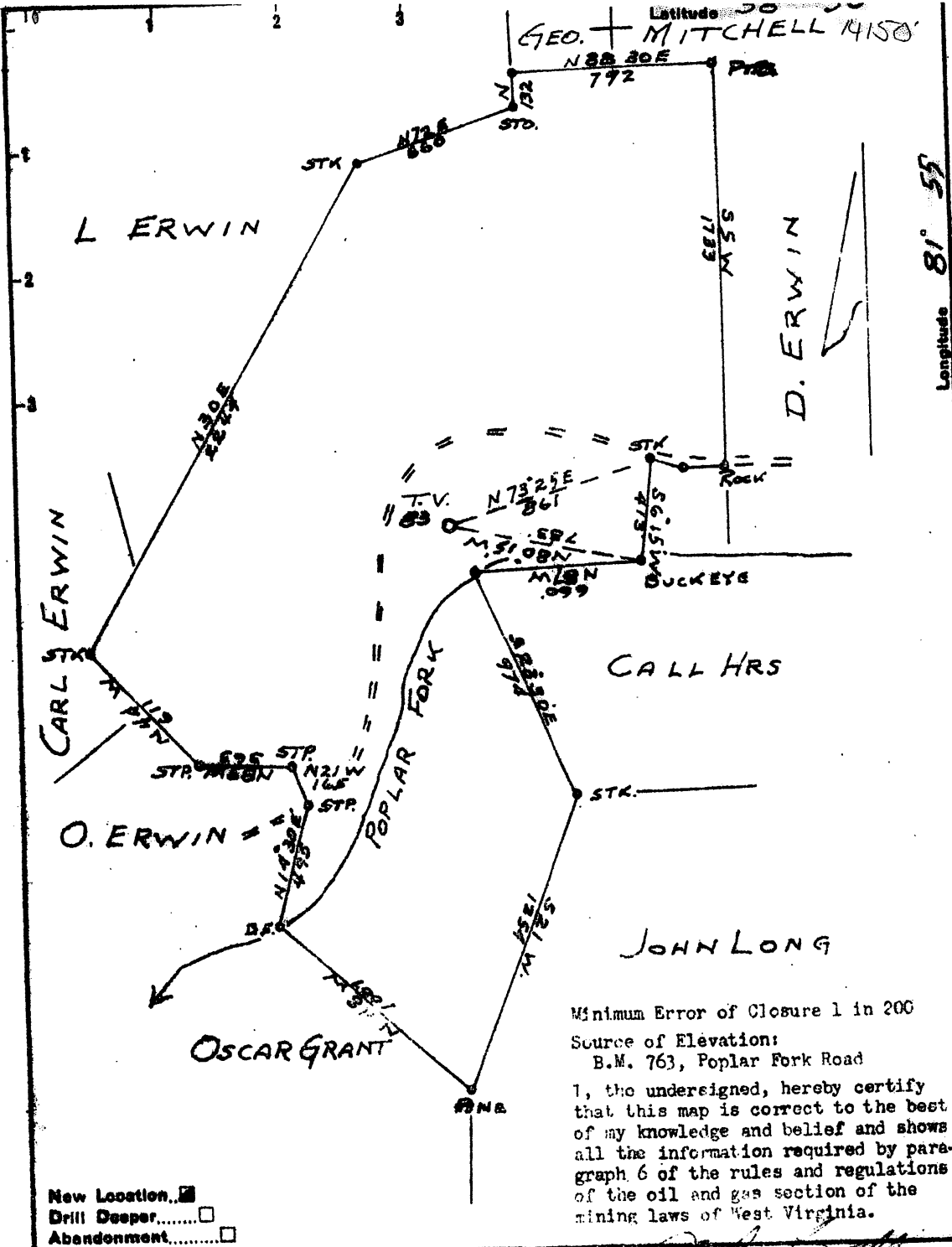


Formation	Color	Hard or Soft	Top $\frac{1}{4}$	Bottom	Oil, Gas or Water	Depth Found	Remarks
Coffee Shale			2164	2179			
Berea			2179	2217			
Slate & Shale			2217	3310			
Shale & Slate			3310	3520			
Brown Shale			3520	3700			
White Slate			3700	4053			
Morcellous Shale			4053	4217			
Corniferous			4217		4310 - Gas		
TOTAL DEPTH				4337			

Date June 14, 1967

APPROVED TEAVER OIL & GAS, INC. Owner

By *V. G. Smith* (Title)



2002

Longitude 81° 55'

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation:
 B.M. 763, Poplar Fork Road
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed *[Signature]*
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

Company TEAVEE OIL & GAS INC.
 Address CHARLESTON, WVA
 Farm DONALD CONARD
 Tract Acres 119.6 Lease No. _____
 Well (Farm) No. 1 Serial No. TV. 83
 Elevation (Split Level) 595.6
 Quadrangle ST. ALBANS
 County PITMAN District SCOTT
 Engineer JOHN GALPIN
 Engineer's Registration No. 875
 File No. _____ Drawing No. _____
 Date 1-25-67 Scale 1" = 500'

WELL LOCATION MAP
 FILE NO. Pat 724

+ 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.

RECEIVED
 Office of Oil and Gas
 NOV 06 2019
 WV Department
 Environmental Protection

WW-4A
Revised 6-07

1) Date: October 21, 2019
2) Operator's Well Number TV-83
3) API Well No.: 47 - 079 - 00724-P

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>George F. Armstrong</u>	Name <u>N/A</u>
Address <u>100 River View Drive</u>	Address _____
<u>Winfield WV 25213-7965</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Jeffery L. Smith</u>	(c) Coal Lessee with Declaration
Address <u>5369 Big Tyler Road</u>	Name <u>N/A</u>
<u>Cross Lanes WV 25313</u>	Address _____
Telephone <u>1-681-313-6743</u>	_____

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

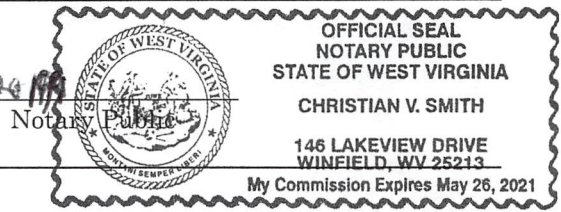
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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.

RECEIVED Office of Oil and Gas	Well Operator <u>Teavee Oil & Gas, Inc.</u>
NOV 06 2019	By: <u>Duane K. Bowers</u>
WV Department of Environmental Protection	Its: <u>Designated Agent</u>
	Address <u>P. O. Box 27</u>
	<u>Winfield, WV 25213</u>
	Telephone <u>1-304-586-9699</u>

Subscribed and sworn before me this 21st day of October 2019
My Commission Expires May 26th, 2021



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.

SURFACE OWNER WAIVER

Operator's Well
Number

TV-83

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:** RECEIVED
Office of Oil and Gas

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

NOV 06 2019

WV Department of
Environmental Protection

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

FOR EXECUTION BY A CORPORATION,

Signature

Date 11/2/19 Name _____
By _____
Its _____

Signature Date

WW-9
(5/16)

API Number 47 - 079 - 00724-P
Operator's Well No. TV-83

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Teavee Oil & Gas, Inc. OP Code 306769

Watershed (HUC 10) Poplar Fork of Hurricane Creek Quadrangle Scott Depot WV

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No XX

Will a pit be used? Yes _____ No X

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes _____ No _____ If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- _____ Land Application (if selected provide a completed form WW-9-GPP)
- _____ Underground Injection (UIC Permit Number _____)
- _____ Reuse (at API Number _____)
- XX Off Site Disposal (Supply form WW-9 for disposal location)
- _____ Other (Explain _____)

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Will closed loop system be used? If so, describe: Fluids will be flowed back to a tanks

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

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? Teavee Disposal Tank Yard (EnLink Brine & Crude Purchasing)

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 

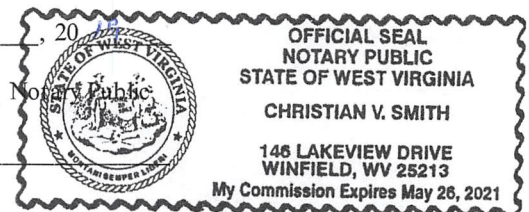
Company Official (Typed Name) Duane K. Bowers

Company Official Title Designated Agent

Subscribed and sworn before me this 21st day of October, 2019



My commission expires May 26, 2021



Proposed Revegetation Treatment: Acres Disturbed <0.50 acres Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 10 10 10

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Kentucky 31 Tall Fescue	50#
		Winter Wheat	100#
		Ladino Clover	10#

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Jeffrey Smith

Comments: All sediment control to be removed prior to release

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 Office of Oil and Gas
NOV 06 2019
 WV Department of
 Environmental Protection

Title: Oil & Gas Inspector Date: 10-30-19

Field Reviewed? Yes No



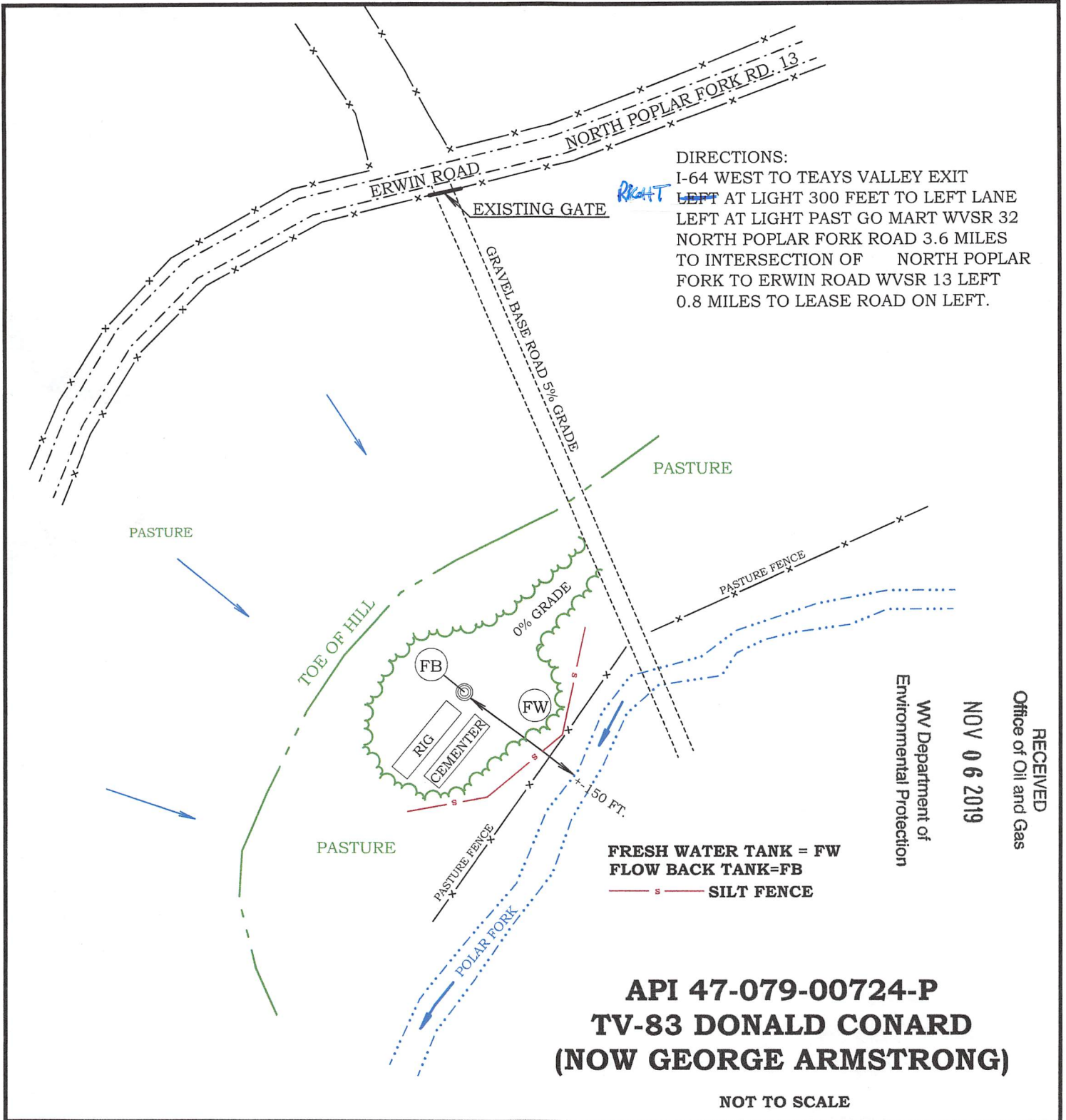
TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,
STORAGE, WELL SERVICING

CORPORATE OFFICES

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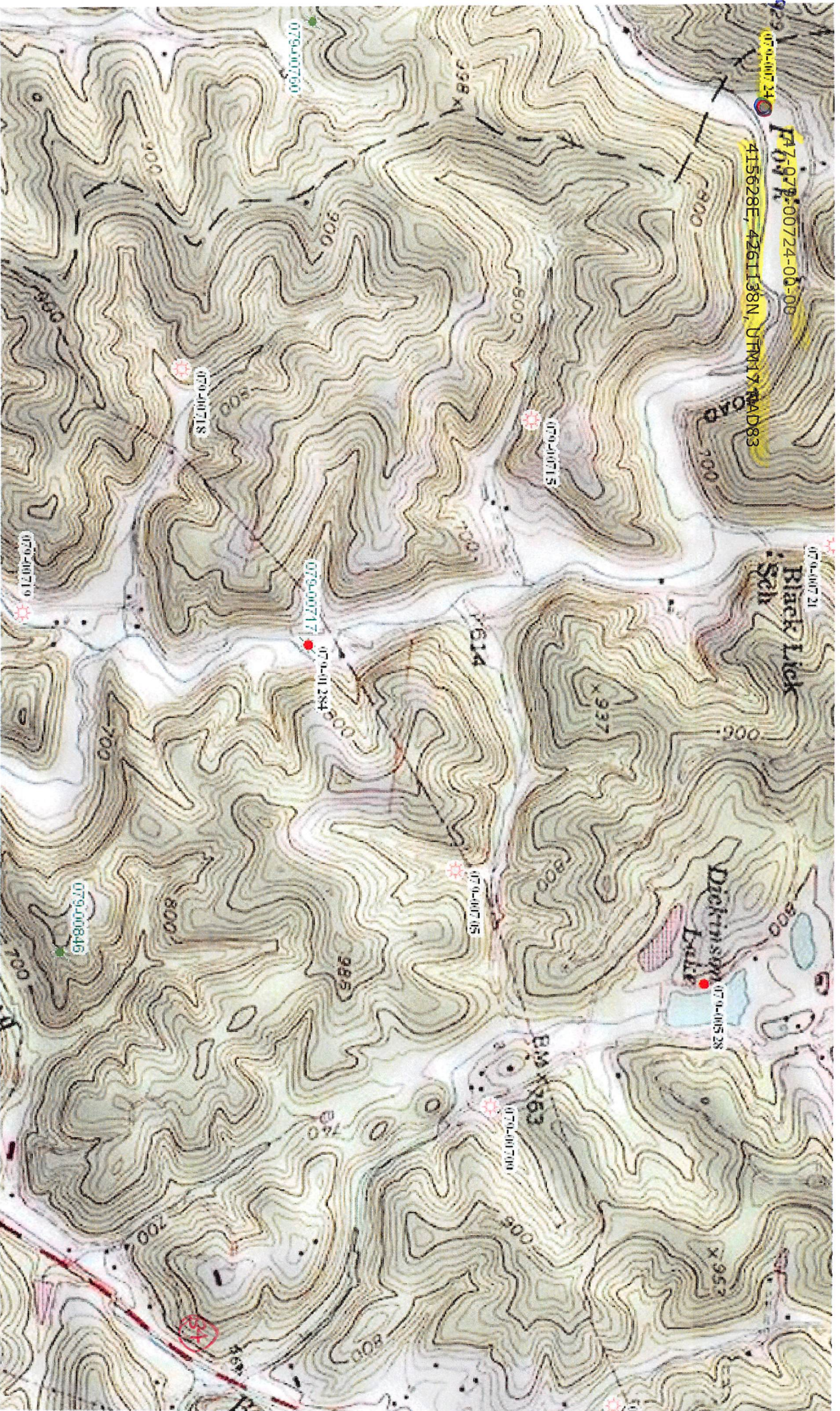
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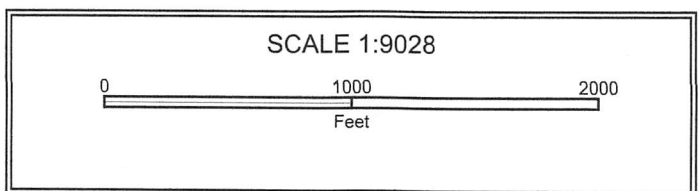
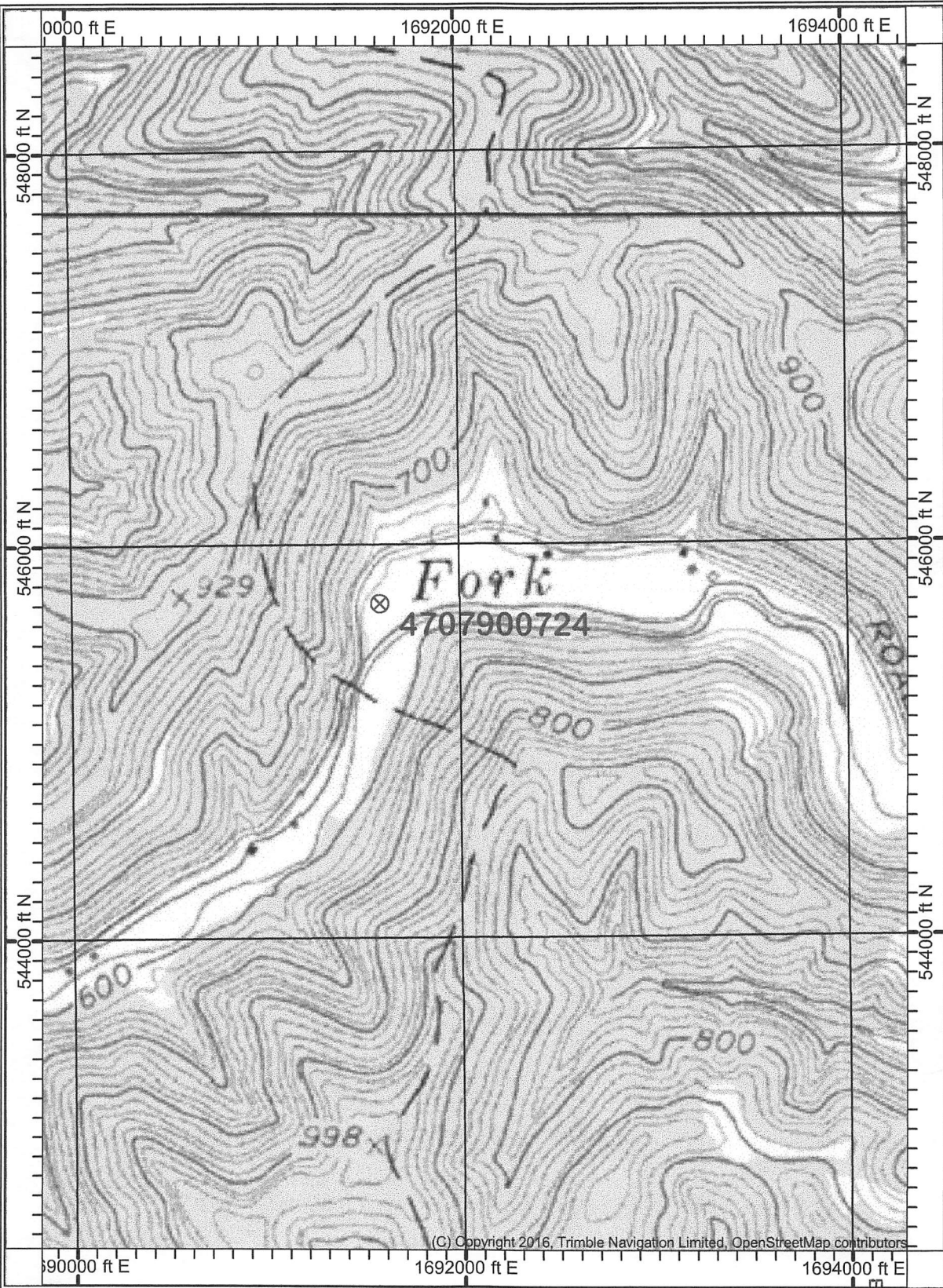


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WV Department of

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-079-00724-P WELL NO.: TV-83

FARM NAME: Donald Conard (Now George Armstrong)

RESPONSIBLE PARTY NAME: Teavee Oil & Gas, Inc.

COUNTY: Putnam DISTRICT: Scott

QUADRANGLE: Scott Depot

SURFACE OWNER: George Armstrong

ROYALTY OWNER: Donald Conard Heirs

UTM GPS NORTHING: 4261138.582

UTM GPS EASTING: 415628.753 GPS ELEVATION: 183.24 (601')

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS XX : Post Processed Differential XX

Real-Time Differential _____

Mapping Grade GPS _____ : Post Processed Differential _____

Real-Time Differential _____

- 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.

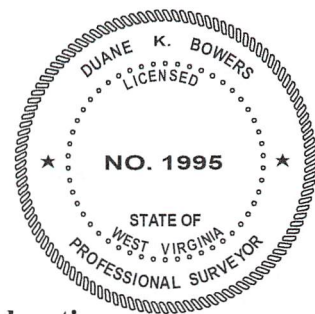
Signature

Professional Surveyor

Title

10/21/19

Date



WV Department of Environmental Protection

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