



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, June 14, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 3884
47-039-02998-00-00

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: 3884
Farm Name: DONA THURSTON
U.S. WELL NUMBER: 47-039-02998-00-00
Vertical Plugging
Date Issued: 6/14/2021

I

4703902998P

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.

06/18/2021

1) Date March 23, 2021
2) Operator's
Well No. 803884
3) API Well No. 47-039 - 002998

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 X

5) Location: Elevation 298.6ft Watershed King Shoals Run
District Big Sandy County Kanawha Quadrangle Clio

6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified Name Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
9) Plugging Contractor Name R & J Well Services, Inc.
Address P.O. Box 40
Hueysville, KY 41640-0040

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

See Attached

*Operator to move with Cement All Parts & Oil Gas
Bearing Formations including Salt, Elevation, Coal & Fresh Water Zones*

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

Work order approved by inspector *[Signature]* Date 5-11-21

PLUGGING PROGNOSIS

API # 47-039-02998

West Virginia, Kanawha County

38.5177250549575, -81.2515148473056

Nearest ER: Charleston Area Medical Center: 501 Morris St. Charleston, WV 25301

Casing Schedule

8 1/4" csg @ 638'

6 5/8" csg @ 1625'

3 1/2" tbg @ 1790' w/ 3" x 5 3/16" x 16" packer set at 1653'

- Perforated at 1771'- 1785' & 1694'- 1701'

TD @ ~~1980'~~ 1790'**Completion:** shot**Fresh Water:** 100'**Gas Shows:** 1628'- 1629', 1687'- 1696', 1723'- 1730'**Oil Shows:** 1090'**Elevation:** 980'**Coal:** 311'- 313', 340'- 342', 433'- 434', 591'- 596',

1. Notify Inspectors ~~Allen Flowers @ 304-522-8308~~, Terry Urban @ 304-549-5915, 48 hours prior to commencing operations.
2. Check and record pressure on csg/tbg.
3. Check TD w/ wireline
4. Attempt to pull 3 1/2" csg and packer. If 3 1/2" will not pull, pull stretch estimating free point. A 100' C1A cement plug will need added 50' in/out of cut at free point location.
5. TIH w/ tbg to 1730'. Load well as needed w/ 6% bentonite gel. Pump 202' C1A cement plug **1730'- 1528' (Gas Shows and 6 5/8" csg seat)**. Check TOC. Top off as needed.
 - a. Perf 3 1/2" tbg @ 1725', 1675', 1625', 1575', and 1550' if unable to pull 3 1/2" csg at this depth.
6. TOO H w/ tbg to 1528'. Pump 6% bentonite gel from 1528'- 1090'. TOO H LD tbg.
7. Perf 6 5/8" csg @ 1090', 1040', 990', 940', 890', 688', 638', 588', and 550'.
8. TIH w/ tbg to 1090'. Pump 210' C1A cement plug **1090'- 880' (Oil Show & Elevation)**
 - a. Tag TOC to confirm adequate fill up
9. TOO H w/ tbg to 880'. Pump 6% bentonite gel from **880'- 688'**
10. TIH w/ tbg to 688'. Pump 147' C1A cement plug **688'- 541' (Coal & 8 1/4" csg seat)**. Monitor circulation on 8 1/4" csg. Tag TOC if well does not circulate. Top off as needed.
11. TOO H w/ tbg to 541'. Pump 6% bentonite gel from 541'- 484'. TOO H LD tbg.
12. Perf 6 5/8" csg @ 484', 434', 384', 334', 274', 100', and 50'.
13. TIH w/ tbg to 484'. Pack off w/ wellhead. Pump 223' C1A cement plug **484'- 261' (3 Coal Shows)**
Monitor circulation
14. TOO H w/ tbg to 261'. Pump 6% bentonite gel from 261'- 100'
15. TIH w/ tbg to 100'. Pack off w/ wellhead. Pump 100' C1A cement plug from **100'-0' (surface)**
Monitor circulation. TOO H LD tbg.
16. Erect monument with API#, date plugged, & company name.
17. Reclaim location and road to WV-DEP specifications.

Arny W. Urban
5-11-21

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06/18/2021

SERIAL WELL NO. 3884

LEASE NO. 2149-15532-

MAP SQUARE 82-69

4703902998P

RECORD OF WELL No. 3884 on the 1/8" & 5/8" of 1908-8
Brown, Goshorn & Swan Farm of 1/4 of 638 1/2
 in **Big Sandy,** District
Kanawha, County
Clendenin Field, State of **W. Va.**

Rig Commenced **May 1, 1929.** 102
 Rig Completed **May 9, 1929.** 102
 Drilling Commenced **May 25, 1929.** 102
 Drilling Completed **July 10, 1929.** 102
 Drilling to cost **1.75** per foot **3123.75**
 Contractor is: **W. F. Tiffany,**
 Address: **Clendenin, W. Va.**

Drillers' Names **M. E. Hawkins,**
Boyd Dotson.
 Elevation **978**

CASING AND TUBING		
SIZE	USED IN DRILLING	LEFT IN WELL
16		
13		
10		
8 1-4	638	638
6 5-8	1625 1/2	1625 1/2
5 3-16		
4 7-8		
4		
3	1790	1790
2		

TEST BEFORE SHOT
 of Water in..... Inch
 10ths of Merc. in..... Inch
 10ths **1,847.400**
 Volume..... Cu. ft.

TEST AFTER SHOT
Well not started
 of Water in..... Inch
 10ths of Merc. in..... Inch
 10ths
 Volume..... Cu. ft.
257 in 3" tubing
 Rock Pressure..... *400" in 6" dia*

SHUT IN
 Date **July 10, 1929.**
 Tubing or ~~XXXXX~~
 Well abandoned and
 Size of Packers **3 x 2-3/16 x 16**..... 10.....
 Kind of Packers **Paraso anchor set at 1653' 3"**
 1st Perf. Set **14'** from **1771'** to **1785'**
 2nd Perf. Set **7' 8"** from **1724' 9"** to **1732' 5"**
7' 9" from **1694'** to **1701' 9"**

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor	0	14	14	
Red Rock	14	30	16	
Blue Clay	30	50	10	
Sand white	50	100	50	1 bailer water per hour 80'.
White slate	100	105	5	
White sand	105	230	125	
Grey lime	230	280	50	
White sand	280	311	31	
COAL	311	313	2	
Black slate	313	318	5	
White sand	318	340	22	
COAL S.L.M.	340	342	2	S.L.M.
White sand	342	385	43	
White slate	385	395	10	
Grey sand	395	433	38	
COAL S.L.M.	433	434	1	S.L.M.
Dark slate	434	440	6	
Lime	440	464	24	
Dark slate	464	496	2	
White sand	496	535	39	
Dark slate	535	541	6	
White sand	541	560	19	
Light slate	560	584	24	
White lime	584	591	7	
COAL S.L.M.	591	596	5	
Dark slate	596	625	29	
Grey lime	625	645	20	8 1/2" casing on shoe at 632' S.L.M.
Dark slate	645	660	15	
White lime	660	665	5	Continued on sheet r 2.

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039-2998

RECORD OF WELL No.		on the	CASING AND TUBING			TEST BEFORE SHOT	
in	Farm of	Acres	SIZE	USED IN DRILLING	LEFT IN WELLof Water in.....Incl	
		District	16			10ths of Merc. in.....Incl	
		County	13			10ths Volume.....Cu. ft	
	Field, State of		10			TEST AFTER SHOT	
Rig Commenced		102	8 1-4		of Water in.....Incl	
Rig Completed		102	6 5-8			10ths of Merc. in.....Incl	
Drilling Commenced		192	5 3-16			10ths Volume.....Cu. ft	
Drilling Completed		102	4 7-8			Rock Pressure.....	
Drilling to cost	per foot		4			Date Shot.....	
Contractor is:			3			Size of Torpedo.....	
Address:			2			Oil Flowed.....bbls. 1st 24 hrs	
Drillers' Names			SHUT IN			Oil Pumped.....bbls. 1st 24 hrs	
			Date.....			Well abandoned and	
		in Tubing or Casing			Plugged.....10.....	
			Size of Packer.....				
			Kind of Packer.....				
			1st Perf. Set.....from.....				
			2nd Perf. Set.....from.....				

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Little Dunkard white Slate	665	732	67	
GAS SAND	732	740	8	
Slate & Shell	740	835	95	
Broken Lime	835	892	57	
Slate	892	900	8	
1st SALT SAND	900	910	10	
Slate	910	953	43	
Grey Lime	953	965	12	
Slate & Shell	965	990	25	
2nd. SALT SAND	990	1005	15	
Slate	1005	1055	50	3 bails water per hour at 1025.
3rd. SALT SAND	1055	1061	6	
White Slate	1061	1430	369	show of gas at 1090, hole full of water at 1150'. ^{Oil}
Red Rock	1430	1440	10	
white Lime	1440	1455	15	
Dark slate	1455	1460	5	
MAXON SAND	1460	1470	10	
Little Lime	1470	1525	55	
White Slate	1525	1545	20	
Gritty Lime	1545	1557	12	
BIG LIME	1557	1581	24	
Bottom hole packer set at 1607' S.L.M.	1581	1671	90	6-5/8" Csg. on O.W.S. 6-5/8x8 1/2x10" Hole reduced at 1634' S. L.M.
Gas	1628	1629	1	6/10 water 1"
BIG INJUN S.L.M.	1671	1698	27	
GAS PAY S.L.M.	1687	1691	4	4/10 water 2"
GAS Pay	1693	1696	3	38/10 water 3" S.L.M.
Slate	1698	1717	19	

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WV Department of Environmental Protection

Continued on sheet # 3.

06/18/2021

SERIAL WELL NO. 3884

LEASE NO.

MAP SQUARE

RECORD OF WELL No.	on the	CASING AND TUBING			TEST BEFORE SHOT	
	Farm of	Acres	SIZE	USED IN DRILLING	LEFT IN WELL of Water in..... inch
in	District	County	10			10ths of Merc. in..... inch
	Field, State of		13			10ths Volume..... Cu. ft.
			10			TEST AFTER SHOT
Rig Commenced		102	8 1-4		 of Water in..... inch
Rig Completed		102	6 5-8			10ths of Merc. in..... inch
Drilling Commenced		102	5 3-10			10ths Volume..... Cu. ft.
Drilling Completed		102	4 7-8			Rock Pressure.....
Drilling to cost	per foot		4			Date Shot.....
Contractor is:			3			Size of Torpedo.....
Address:			2			Oil Flowed..... bbls. 1st 24 hrs.
Drillers' Names			SHUT IN			Oil Pumped..... bbls. 1st 24 hrs.
			Date.....			Well abandoned and
		 in	Tubing or Casing		Plugged..... 10.....
			Size of Packer.....			
			Kind of Packer.....			
			1st Perf. Set..... from.....			
			2nd Perf. Set..... from.....			

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
SQUAW SAND S.L.M.	1717	1735	18	
GAS Pay	1723	1725	2	58/10 water 3" S.L.M.
GAS Pay	1728	1730	2	10/10 mercury 3" S.L.M.
Slate	1735	1750	15	
Lime Shell	1750	1757	7	
Red Rock	1757	1762	5	
Slate & Shell	1762	1785	23	
TOTAL DEPTH S.L.M.		1785		
Tubed and shut in July 10, 1929. Final open flow test 10/10 mercury 3".				
one hour pick up, 1.247.000.				
1 min 120 _r	6 min 195 _r		15 min 210 _r	
2 min 145 _r	7 min 200 _r		20 min 215 _r	
3 min 170 _r	8 min 202 _r		30 min 217 _r	
4 min 185 _r	9 min 205 _r		1 hour 220 _r	
5 min 190 _r	10 min 205 _r			

Approved *H. W. Schauer* Supt. Office of Oil and Gas
Cleveland, Dist.

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WV Department of Environmental Protection

039-2998

06/18/2021

WW-4A
Revised 6-07

1) Date: March 23, 2021
 2) Operator's Well Number 803884
 3) API Well No.: 47 - 039 - 02998

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

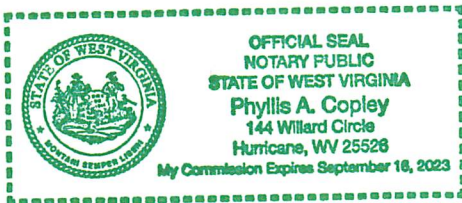
<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Donna Thurston</u> Address <u>P.O. Box 764</u> <u>Clendenin, WV 25045</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Terry Urban</u> Address <u>P.O. Box 1207</u> <u>Clendenin, WV 25045</u> Telephone <u>304-549-5915</u></p>	<p>5) (a) Coal Operator</p> <p>Name _____ Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>Goshorn and Goshorn Agency</u> Address <u>P.O. Box 88</u> <u>Charleston, WV 25321</u></p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>No Declaration</u> Address _____</p>
---	--

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 Diversified Production, LLC
 By: [Signature] Jeff Mast
 Its: Director Production
 Address P.O. Box 6070
Charleston, WV 25362
 Telephone 304-543-6988

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Office of Oil and Gas

MAY 12 2021

Subscribed and sworn before me this 21st day of March, 2021
Phyllis A. Copley Notary Public
 My Commission Expires September 16, 2023

WV Department of Environmental Protection

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.

4703902998P

803884

47-039-02998

7019 1640 0000 1003 7511

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Charleston, WV 25321

OFFICIAL USE

Certified Mail Fee	\$3.60	
Extra Services & Fees (check box, add fee as appropriate)	\$2.85	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$1.40	
Total Postage and Fees	\$7.85	

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05/03/2021

803884 P&A
 Goshorn and Goshorn Agency
 P.O. Box 88
 Charleston, WV 25321

For Instructions

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Extra Services & Fees (check box, add fee as appropriate)	\$2.85	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$1.40	
Total Postage and Fees	\$7.85	

Postmark Here

05/03/2021

803884 P&A
 Donna Thurston
 P.O. Box 764
 Clendenin, WV 25045

For Instructions

Department of Environmental Protection

06/18/2021

WW-9
(5/16)

API Number 47 - 039 - 02998
Operator's Well No. 803884

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

Operator Name Diversified Production, LLC OP Code 494524121

Watershed (HUC 10) King Shoals Run (505000709) Quadrangle Clio

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

Will a pit be used? Yes No *W*

If so, please describe anticipated pit waste: Produced fluid and cement returns

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 47-119-00724)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-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) N/A

-Landfill or offsite name/permit number? N/A

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 *Jeff Mast*
Company Official (Typed Name) Jeff Mast
Company Official Title Director Production



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WV Department of
Environmental Protection

Subscribed and sworn before me this 29th day of March, 2021

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

Proposed Revegetation Treatment: Acres Disturbed 1 +/- Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

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: [Signature]
Comments:

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WV Department of
Environmental Protection

Title: Inspect Oil & Gas Date: 5-11-21

Field Reviewed? (X) Yes () No



Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

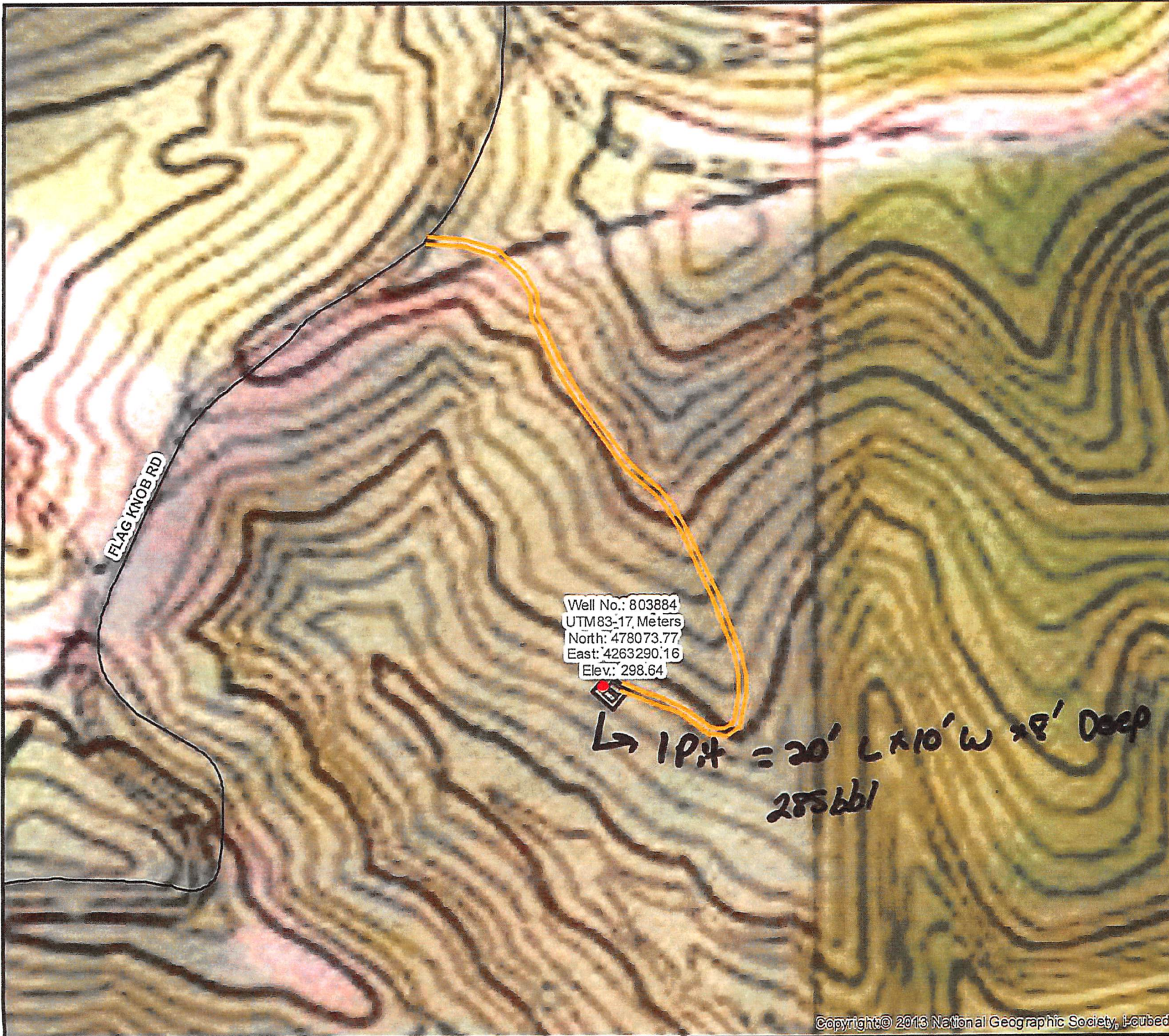
803884

Plugging Map

47-039-02998

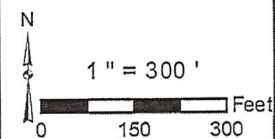
Legend

- Well
- Access Road
- ▨ Pits
- Pad
- Public Roads



Well No.: 803884
UTM83-17, Meters
North: 478073.77
East: 4263290.16
Elev.: 298.64

↳ 1 Pit = 20' L x 10' W x 8' Deep
285bb1



4703902998P

4703902998P

WW-7
8-30-06



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

API: 47-039-02998 WELL NO.: 803884
FARM NAME: Brown, Goshorn, and Swan
RESPONSIBLE PARTY NAME: Diversified Production LLC
COUNTY: Kanawha DISTRICT: Big Sandy
QUADRANGLE: Clio
SURFACE OWNER: Donna Thurston, P.O. Box
ROYALTY OWNER: Goshorn and Goshorn Agency
UTM GPS NORTHING: 4,263,290.16
UTM GPS EASTING: 478,073.77 GPS ELEVATION: 298.6 (980')

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.

Director Production 03/19/2021
Signature Title Date

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Environmental Protection

06/18/2021