



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

Friday, March 19, 2021

WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 026502
47-047-02432-00-00

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: 026502
Farm Name: ALAWEST, INC.
U.S. WELL NUMBER: 47-047-02432-00-00
Coal Bed Methane Well Plugging
Date Issued: 3/19/2021

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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

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 657.4 meters Watershed Crane Creek of Dry Fork
District Big Creek County McDowell Quadrangle Davy

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 9) Plugging Contractor
Name Gary Kennedy Name R & J Well Services, Inc.
Address 66 Old Church Lane Address P.O. Box 40
Pipestem, WV 25979 Hueysville, WV 41640-0040

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

SEE ATTACHED

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

Work order approved by inspector *Gary Kennedy* Date 3/4/21

PLUGGING PROGNOSIS

Alawest #026502
 West Virginia, McDowell County
 API# 47-047-02432

Completed by S.T.
 Updated 4/29/2020

Casing Schedule

9 5/8" csg @ 60'
 7" csg @ 299' cemented to surface
 4 1/2" csg @ 1987' cemented to surface. Perfs @ 694'-741', 880'-884', 937'-1152', 1210'-1333', 1460'-1463', 1482'-1485', 1620'-1738'
 2 3/8" tbg and rods @ 1800'.
 TD 2010'

Completion: 2008 Frac

Fresh Water: 1550'

Gas Shows: CBM 694'-741', 880'-884', 937'-1152', 1210'-1333', 1460'-1463', 1482'-1485', 1620'-1738'

Oil Shows: None Recorded

Coal: 880', 936', 1067', 1086', 1148', 1264', 1330', 1460', 1484', 1620', 1625', 1736'

Elevation: 2157'

1. Notify Inspector, Gary Kennedy @ 304-382-8402, 48 hours prior to commencing operations.
2. Check and record pressures on tbg/csg.
3. TOOH LD rods, pump. Pump 6% bentonite gel to kill well as needed.
4. TOOH LD tbg and inspect.
5. Check TD w/ wireline.
6. TIH w/ tbg 2000'. Pump 1000' C1A cement plug from 2000'-1000'.
7. TOOH w/ tbg to 1000'. Pump 1000' C1A cement plug from 1000'-surface.
8. TOOH LD tbg.
9. Erect monument with API#, date plugged, and company name.
10. Reclaim location and road to WV-DEP specifications.

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

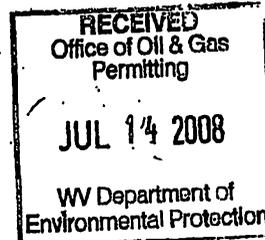
Farm name: Alawest, Inc. Operator Well No.: 026502
 LOCATION: Elevation: 2157.31' Quadrangle: Davy
 District: Big Creek County: McDowell
 Latitude: 4,440 Feet South of 37 Deg. 25 Min. 00 Sec.
 Longitude 6400 Feet West of 81 Deg. 42 Min. 30 Sec.

Company Address:

Dart Oil & Gas Corporation 999 Executive Park Blvd, Suite 320 Kingsport, TN 37660	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
	9 5/8"		60'	Condr Pipe
	7"		299'	60 sx to Surf
Agent: Jackie Lee Hatfield	4 1/2"		1987'	115 sx to Surf
Inspector: Barry Stollings	2 3/8" tbg		1800'	
Date Permit Issued: May 24, 2007				
Date Well Work Commenced: Sept 19, 2007				
Date Well Work Completed: June 16, 2008				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable Rtg <input type="checkbox"/> E-Mats #4				
Total Depth (feet): 2010' LTD 2011'				
Fresh Water Depth (ft.): 1550'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

OPEN FLOW DATA - Well not on line.

Producing formation N/A Pay zone depth (ft) N/A
 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
 Final open flow MCF/d Final open flow Bbl/d
 Time of open flow between initial and final tests Hours
 Static rock Pressure psig (surface pressure) after Hours
 Second producing formation Pay zone depth (ft)
 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
 Final open flow MCF/d Final open flow Bbl/d
 Time of open flow between initial and final tests Hours
 Static rock Pressure psig (surface pressure) after Hours



NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.). N/A

SUPPLEMENTAL Page #2: THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Edward K. Diminick
 By: Edward K. Diminick, District Manager
 Date: 7/11/08

47047024320

Farm Name:

Alawest, Inc.

Operation's Well #:

026502

API #:

47-4702432

RECEIVED
Office of Oil & Gas Permitting
JUL 14 2008
WV Department of Environmental Protection

DRILLER'S LOG

Compiled by: Shane, Huffman, Geologist

Geologic Age	Formation	General Lithology	Color	Depth		Thickness	Remarks
				Top	Bottom		
Pennsylvanian		Sand, Shale & Coal		0	880		
Pennsylvanian	Welch	Coal		880	884	3.5'	
Pennsylvanian		Sand & Shale		884	936		
Pennsylvanian	L. Raleigh	Coal		936	938	1.9'	
Pennsylvanian		Sand & Shale		938	1067		
Pennsylvanian	Beckley 3	Coal		1067	1069	2.0'	
Pennsylvanian		Sand & Shale		1069	1086		
Pennsylvanian	Beckley 2	Coal		1086	1087	1.4'	
Pennsylvanian		Sand, Shale & Coal		1087	1148		
Pennsylvanian	Fire Creek	Coal		1148	1152	3.6'	
Pennsylvanian		Sand, Shale & Coal		1152	1264		
Pennsylvanian	Poco 8	Coal		1264	1266	0.9'	
Pennsylvanian		Sand & Shale		1266	1330		
Pennsylvanian	Poco 7	Coal		1330	1333	2.4'	
Pennsylvanian		Sand & Shale		1333	1460		
Pennsylvanian	Poco 4	Coal		1460	1463	3.1'	
Pennsylvanian		Sand & Shale		1463	1484		
Pennsylvanian	Poco 4 stray	Coal		1484	1486	1.7'	
Pennsylvanian		Sand & Shale		1486	1620		
Pennsylvanian	Poco 3	Coal		1620	1624	3.3'	
Pennsylvanian		Sand & Shale		1624	1625		
Pennsylvanian	Poco 2	Coal		1625	1666	0.9'	
Pennsylvanian		Sand & Shale		1666	1736		
Pennsylvanian	Poco 1	Coal		1736	1738	1.8'	
Pennsylvanian		Sand & Shale		1738	TD		

Permittee: Dart Oil & Gas Corporation (Company)

By: Edward K. Diminick (Signature)
Edward K. Diminick, District Manager

1) Date: March 3, 2021 **4704702432P**
2) Operator's Well Number
026502

3) API Well No.: 47 - 047 - 02432

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

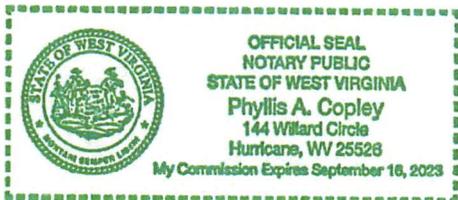
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Alawest Inc.</u>	Name _____
Address <u>P.O. Box 920</u>	Address _____
<u>Welch, WV 24801</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Alawest Inc.</u>
_____	Address <u>P.O. Box 920</u>
_____	<u>Welch, WV 24801</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>66 Old Church Lane</u>	Name _____
<u>Pipestem, WV 25979</u>	Address _____
Telephone <u>304-382-8402</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.



Well Operator Diversified Production, LLC

By: [Signature] Jeff Mast

Its: Director Production

Address P.O. Box 6070

Charleston, WV 25362

Telephone 304-543-6988

Subscribed and sworn before me this 3rd day of March, 2021
Phyllis A. Copley Notary Public

My Commission Expires September 16, 2023

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.

03/26/2021

4704702432P

Well 026502
47-047-02432

7020 2450 0001 5225 2508

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

Welch, WV 24801

OFFICIAL USE

Certified Mail Fee	\$3.60
Extra Services & Fees (check box, add fees 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	\$8.55

0523
03

Postmark
Here

03/04/2021

To: P&A Wells, 02481, 026602, 026704,
026603, 026501, 026502, 026301, 024605

From: Alawest Inc.
P.O. Box 920
Welch, WV 24801

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

03/26/2021

4704702432P

7017 1450 0002 3854 0900

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT <i>Domestic Mail Only</i>	
For delivery information, visit our website at www.usps.com	
WELCH, WV 24801	
OFFICIAL USE	
Certified Mail Fee \$ 3.55	0523 04 Postmark Here 06/09/2020
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$ 2.85	
<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 \$ 2.80	
\$9.20	
P&A wells: 026502, 024801, 026603, 026501	
Alawest Inc. P.O. Box 920 Welch, WV 24801	
For Instructions	

03/26/2021

4704702432P

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

P&A wells: 026502, 024801, 026603, 026501

Alawest Inc.
P.O. Box 920
Welch, WV 24801



9590 9403 0267 5155 0067 54

2. Article Number (Transfer from service label)
7017 1450 0002 3854 0900

PS Form 3811, April 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature *USPS*
 Agent
 Addressee
Browning

B. Received by (Printed Name) *Browning* C. Date of Delivery *6/14/20*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

COVID-19

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

03/26/2021

4704702432P

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) Crane Creek of Dry Fork (0507020101) Quadrangle Davy

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

If so, please describe anticipated pit waste: Plugging returns/cement - will utilize above ground tanks

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 _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Any fluid recovered will be hauled to a Diversified tank battery and disposed of properly)

Will closed loop system be used? If so, describe: _____

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

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

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.

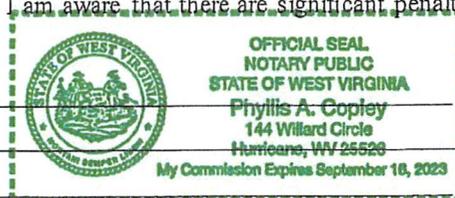
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 3rd 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.

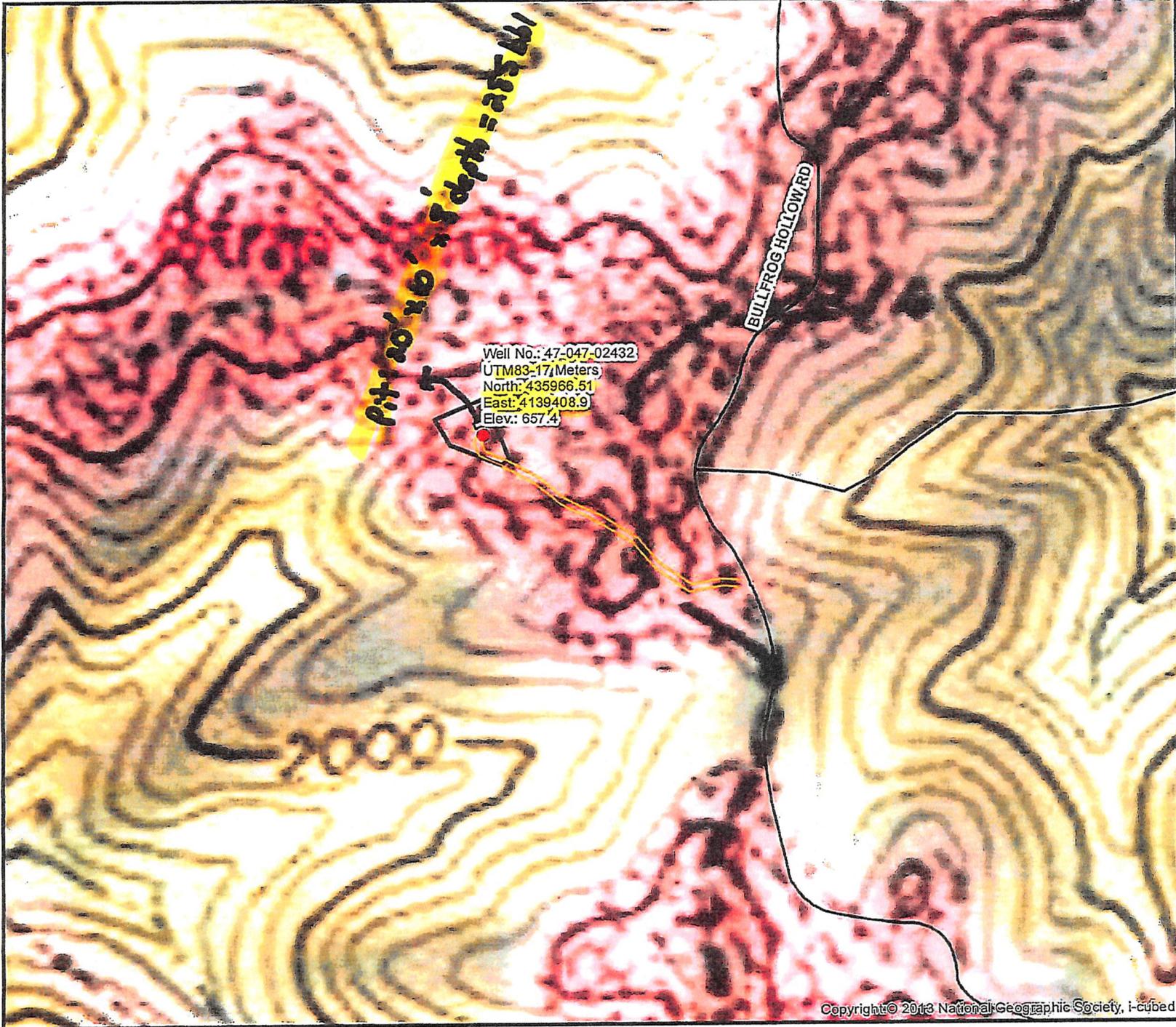
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Amy Kennedy*

Comments: _____

Title: *Inspector* Date: *3/4/21*

Field Reviewed? () Yes () No



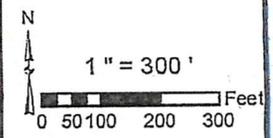
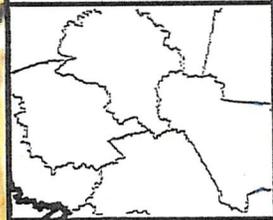
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

47-047-02432

Plugging Map

Legend

- Well
- Access Road
- Pit
- Pad
- Public Roads



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