



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 026603
47-047-02434-00-00

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.

A handwritten signature in blue ink, appearing to read "James A. Martin".

James A. Martin
Chief

Operator's Well Number: 026603
Farm Name: ALAWEST, INC.
U.S. WELL NUMBER: 47-047-02434-00-00
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.

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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 489.07 meters Watershed Crane Trace Branch of Clear 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 #026603
West Virginia, McDowell County
API# 47-047-02434

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

Casing Schedule

9 5/8" csg @ 62'

7" csg @ 302' cemented to surface

4 1/2" csg @ 1282' cemented to surface. Perfs @ 744'-747', 836'-838', 895'-898', 1028'-1081', 1149'-1151'

2 3/8" tbg and rods @ 1193'. Free as of 6/14/2019

TD 1306'

Completion: 2008 Frac

Fresh Water: 43'

Gas Shows: CBM 744'-747', 836'-838', 895'-898', 1028'-1081', 1149'-1151'

Oil Shows: None Recorded

Coal: 357', 453', 516', 558', 745', 836', 996', 1030', 1149'

Elevation: 1598'

1. Notify Inspector, Gary Kennedy @ 304-382-8402, 48 hours prior to commencing operations.
2. Check and record pressures on tbg/csg.
3. TOOHD LD rods, pump. Pump 6% bentonite gel to kill well as needed.
4. TOOHD LD tbg and inspect.
5. Check TD w/ wireline.
6. TIH w/ tbg 1290'. Pump 645' C1A cement plug from 1290'-645'.
7. TOOHD w/ tbg to 645'. Pump 645' C1A cement plug from 645'-surface.
8. TOOHD 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.: 026603

LOCATION: Elevation: 1598.39'

Quadrangle: Davy

District: Big Creek County: McDowell
Latitude: 1705' Feet South of 37 Deg. 25 Min. 00 Sec.
Longitude 5890' Feet West of 81 Deg. 42 Min. 30 Sec.

RECEIVED
Office of Oil & Gas
Office of Chief
JUL 18 2008
WV Department of
Environmental Protection

Company Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Dart Oil & Gas Corporation				
999 Executive Park Blvd, Suite 320				
Kingsport, TN 37660	9 5/8"		62'	Condr Pipe
	7"		302'	55 sx to Surf
Agent: Jackie Lee Hatfield	4 1/2"		1282'	70 sx to Surf
Inspector: Barry Stollings	2 3/8" tbg		1193'	
Date Permit Issued: May 24, 2007				
Date Well Work Commenced: August 25, 2007				
Date Well Work Completed: May 30, 2008				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable Rig <input type="checkbox"/> E-Mats #4				
Total Depth (feet): 1306' LTD 1316'				
Fresh Water Depth (ft.): 43'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

OPEN FLOW DATA - Well not on line. WO pipeline.

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 .

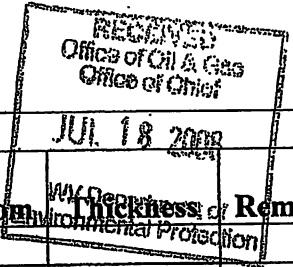
Signed: Edward K. Diminick
By: Edward K. Diminick, District Manager
Date: 6/12/08

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Farm Name: Alawest, Inc.
 Operation's Well #: 026603
 API #: 47-4702434

DRILLER'S LOG

Compiled by: Shane, Huffman, Geologist



Geologic Age	Formation	General Lithology	Color	Depth		Thickness	Remarks
				Top	Bottom		
Pennsylvanian		Sand, Shale & Coal		0	357		
Pennsylvanian	L. Raleigh	Coal		357	359	1.9'	
Pennsylvanian		Sand & Shale		359	453		
Pennsylvanian	Beckley 3	Coal		453	457	3.55'	
Pennsylvanian		Sand & Shale		457	516		
Pennsylvanian	Fire Creek	Coal		516	517	0.95'	
Pennsylvanian		Sand & Shale		517	558		
Pennsylvanian	L.Fire Creek	Coal		558	560	2.1'	
Pennsylvanian		Sand, Shale & Coal		560	745		
Pennsylvanian	Poco 7	Coal		745	747	2.1'	
Pennsylvanian		Sand & Shale		747	836		
Pennsylvanian	Poco 5	Coal		836	838	1.45'	
Pennsylvanian		Sand & Shale		838	996		
Pennsylvanian	Poco 4	Coal		996	998	1.75'	
Pennsylvanian		Sand & Shale		998	1030		
Pennsylvanian	Poco.3	Coal		1030	1033	2.4'	
Pennsylvanian		Sand, Shale & Coal		1033	1149		
Pennsylvanian	Poco 2	Coal		1149	1151	2.0'	
Pennsylvanian		Sand & Shale		1151	TD		

Permittee: Dart Oil & Gas Corporation (Company)

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

4704702434P
Well 826603
47-047-02434

7020 2450 000J 5225 2508

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<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 Wellst, 02481, 026602, 026704,
026603, 026501, 026502, 026301, 024605

Se: Alavest Inc.
St: P.O. Box 920
Ci: Welch, WV 24801

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

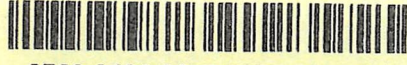
03/26/2021

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7017 1450 0002 3854 0900

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Extra Services & Fees (check box, add fees as appropriate)	
<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 \$2.80	
Total \$9.20	
P&A wells: 026502, 024801, 026603, 026501	
Alawest Inc. P.O. Box 920 Welch, WV 24801	
For Instructions	

4704702434P

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																
<ul style="list-style-type: none"> ■ 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. Signature LSPS <input checked="" type="checkbox"/> <i>Browning</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery <i>Browning</i> 6/16/20</p>																
<p>P&A wells: 026502, 024801, 026603, 026501</p> <p>Alawest Inc. P.O. Box 920 Welch, WV 24801</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p style="text-align: center; font-size: 2em;"><i>COVID-19</i></p>																
 9590 9403 0267 5155 0067 54	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input checked="" type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																
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<input type="checkbox"/> Insured Mail																	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)																	
<p>2. Article Number (Transfer from service label)</p> 7017 1450 0002 3854 0900																	

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

Domestic Return Receipt

03/26/2021

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 Trace Branch of Clear 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.

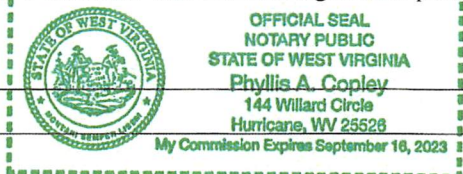
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations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

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: _____

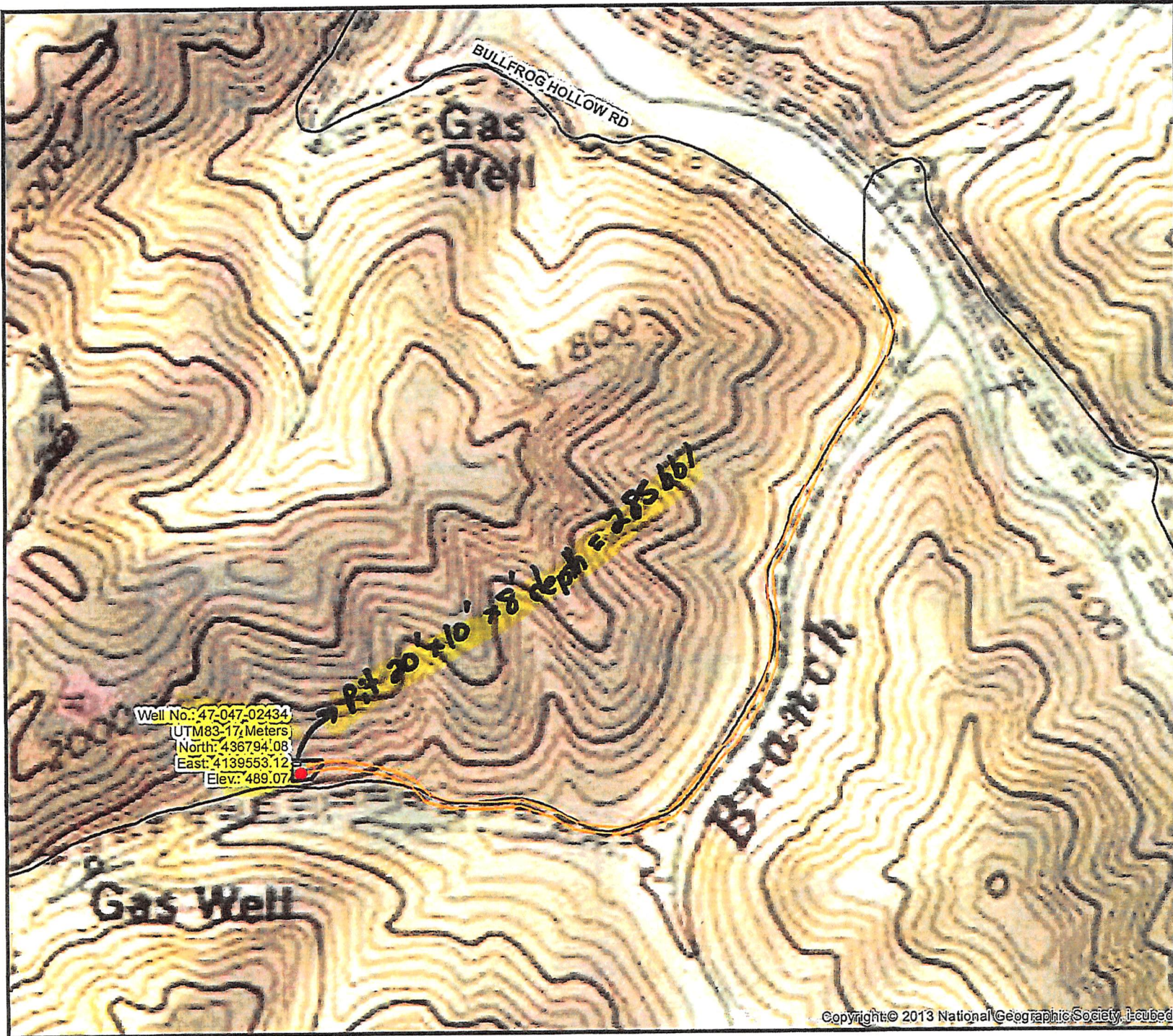
[Handwritten Signature]

Comments: _____

Title: Inspector

Date: 3/4/21

Field Reviewed? () Yes () No



Well No.: 47-047-02434
 UTM83-17, Meters
 North: 436794.08
 East: 4139553.12
 Elev.: 489.07'

Pit 20' x 10' x 8' depth = 285 467'



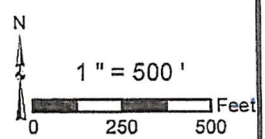
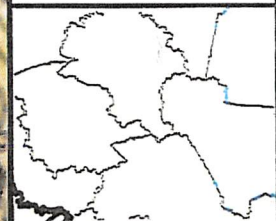
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

47-047-02434

Plugging Map

Legend

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



4704702434P

WW-7
8-30-06



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

API: 47-047-02434 WELL NO.: 026603
 FARM NAME: Alawest, Inc
 RESPONSIBLE PARTY NAME: Diversified Production LLC
 COUNTY: McDowell DISTRICT: Big Creek
 QUADRANGLE: Davy
 SURFACE OWNER: Alawest, Inc
 ROYALTY OWNER: Alawest, Inc
 UTM GPS NORTHING: 4,139,553.12 (1598.4')
 UTM GPS EASTING: 436,794.08 GPS ELEVATION: 489.07 meters

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 ____

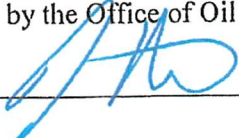
Real-Time Differential ____

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.

Signature  Director Production 3/03/21
 Title Date