



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

Tuesday, May 3, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for DEK 39
47-035-01408-00-00

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: DEK 39
Farm Name: STEPHENS, LLOYD
U.S. WELL NUMBER: 47-035-01408-00-00
Vertical Plugging
Date Issued: 5/3/2022

Promoting a healthy environment.

05/06/2022

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.

1) Date March 4, 2022
2) Operator's
Well No. DEK 39
3) API Well No. 47-035 - 01408

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 750.44 feet Watershed Falls Run
District Union County Jackson Quadrangle Cottageville

6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast
Address 414 Summers Street Address 31 Hickory Drive
Charleston, WV 25301 Barboursville, WV 25504

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Joe Taylor Name Diversified Production, LLC (In-house rig)
Address 1478 Claylick Road Address 1951 Pleasantview Ridge Road
Ripley, WV 25271 Ravenswood, WV 26164

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

See Attached

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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  Date 3-16-22

Plugging Prognosis

API #: 4703501408

West Virginia, Jackson County

Lat/Long: 38.86352607, -81.79787331

Nearest ER: Jackson General Hospital, 122 Pinnell St, Ripley, WV 25271

Casing Schedule

9 5/8" @ 246' (Cemented to surface w/ 110 sx)

7" @ 2,364' (Cemented to 676' w/ 75 sx)

4 1/2" @ 4,590' (Cemented to 2,454 w/ 150 sx)

2" @ 4,540'

TD 4,590'

Completion: Perforated the Oriskany Sand from 4,509'-4,511' and 4,522'-4,524' using 8 shots/ft.

Fresh Water: None Listed

Salt Water: None Listed

Gas Shows: None Listed

Oil Shows: None Listed

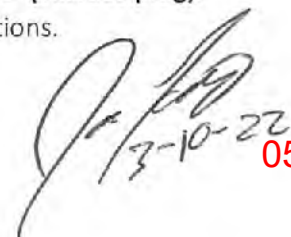
Coal: None Listed

Elevation: 756'

1. Notify Inspector Joe Taylor @ 304-380-7469, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Pull tbg and lay down.
4. Check TD w/ wireline.
5. TIH w/ tbg to 4,524'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel. Pump 115' C1A cement plug from 4,524' to 4,409' (Oriskany Sand plug). Tag TOC. Top of as needed.
6. TOOH w/ tbg to 4,409'. Pump 6% bentonite gel from 4,409' to 3,500'.
7. TOOH w/ tbg to 3,500'. Pump 300' C1A cement plug from 3,500' to 3,200'.
8. TOOH w/ tbg to 3,200'. Pump 6% bentonite gel from 3,200' to 2,414'.
9. Free point 4-1/2" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut.
Do not omit any plugs list below. Perforate as needed.
10. TOOH w/ tbg to 2,414'. Pump 100' C1A cement plug from 2,414' to 2,314' (7" Csg shoe plug).
11. TOOH w/ tbg to 2,314'. Pump 6% bentonite gel from 2,314' to 756'.
12. Free point 7" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. **Do not omit any plugs list below. Perforate as needed.**
13. TOOH w/ tbg to 756'. Pump 100' C1A cement plug from 756' to 656' (elevation plug).
14. TOOH w/ tbg to 656'. Pump 6% bentonite gel from 656' - 296'.
15. TOOH w/ tbg to 296'. Pump 100' C1A cement plug from 296'- 196' (9 5/8" csg shoe).
16. TOOH w/ tbg to 196'. Pump 6% bentonite gel from 196'- 100'
17. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from 100'- surface' (Surface plug).
18. Reclaim well site and erect plugging monument to WV DEP specifications.

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OG-10
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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Rotary XXX Oil _____
Cable _____ Gas XXX _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Cottageville
Permit No. JAC - 1408

Company Kaiser Exploration & Mining Co.
Address Box 98, Ravenswood, WV
Farm Lloyd E. Stephens Acres 64
Location (waters) Log Lick Run
Well No. DEK #39 Elev. 756
District Union County Jackson
The surface of tract is owned in fee by _____
Lloyd & Margaret Stephens
Address Rt. 2, Box 205, Cottageville, WV
Mineral rights are owned by Same as above
Address _____
Drilling Commenced 7/30/77
Drilling Completed 8/7/77
Initial open flow Show cu. ft. _____ bbls.
Final production 35 MCF ~~cu. ft.~~ per day _____ bbls.
Well open _____ hrs. before test 1700 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	246'	246'	110 Sax
8 5/8			
7	2364	2364	75 Sax
5 1/2			
4 1/2	4590	4590	150 Sax
3			
2		4540	
Liners Used			

Well treatment details: Attach copy of cementing record. Halliburton
Perforated Oriskany Section at 4509'-4511' and 4522'-4524' with 8 Omega Shots/foot.
Fractured Oriskany with 730 bbl water, 7700 lbs. of 80/100 and 30,500 lbs. 20/40 sand.

Coal was encountered at None Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sand Depth 4509' - 4524'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Shales			0	126		
Shale			126	214		
Sand			214	249		
Shale			249	287		
Red Rock			287	508		
Shale			508	552		
Sand			552	563		
Red Rock			563	622		
Sand			622	634		
Red Rock			634	706		
Sand			706	719		
Red Rock			719	821		
Shale			821	878		
Red Rock			878	893		
Shale			893	940		
Red Rock			940	1000		
Shale			1000	1060		
Salt Sand			1060	1151		
Shale			1151	1255		
Sand			1255	1264		
Shale			1264	1360		
Sand			1360	1384		
Shale			1384	1423		
Sand			1423	1492		

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(over)
* Indicates Electric Log tops in the remarks section.

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Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			1492	1530		
Sand			1530	1552		
Shale			1552	1640		
Maxon			1640	1702		
Big Lime			1702	1789		
Shale			1789	1820		
Injun Sand			1820	1940		
Shale			1940	2246		
Coffee Shale			2246	2264		
Berea Sand			2264	2270		
Shale			2270	3424		
Brown Shale			3424	3884		
Shale			3884	4296		
Marcellus Shale			4296	4434		
Onondaga L.S.			4434	4512		
Oriskany Sand			4512	4532		
Helderberg L.S.			4532	TD		
Log Total Depth				4609		

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Date March 2, 19 78

APPROVED *Richard A. Poyner* Owner

By Operations Manager
(Title)

05/06/2022

WW-4A
Revised 6-07

1) Date: March 4, 2022
2) Operator's Well Number
DEK 39
3) API Well No.: 47 - 035 - 01408

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>Bellinda J. Boggess</u>	Name <u>None</u>
Address <u>108 Sir Barton Drive</u>	Address _____
<u>Evans, WV 25241</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>None</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector: <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Road</u>	Name <u>No Declaration</u>
<u>Ripley, WV 25271</u>	Address _____
Telephone <u>304-380-7469</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
 Title: Director Technical Services
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-543-6988

Subscribed and sworn before me this 7th day of March, 2022
Phyllis A. Copley Notary Public
 My Commission Expires September 16, 2023

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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.

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Evans, WV 25241

OFFICIAL USE

Certified Mail Fee	\$3.75	0510
	\$3.05	2
Extra Services & Fees (check box, add fee 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	\$1.56	
Total F	\$8.36	

Postmark Here

03/08/2022

USPS-25510-9998

DEK 39

Sent To Belinda J. Boggess

Street 108 Sir Barton Drive

City, S Evans, WV 25241

PS Fo instructions

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WW-9
(5/16)

API Number 47 - 035 - 01408
Operator's Well No. DEK 39

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) Falls Run Quadrangle Cottageville

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: Produced fluid and cement returns

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number WC Booker #1 47-039-02327 Permit UIC2D0392327 002)
- 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

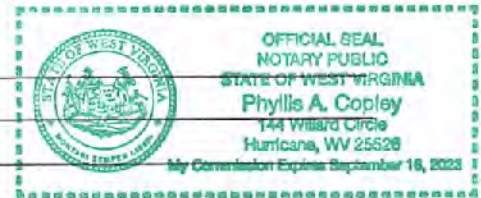
-Landfill or offsite name/permit number? N/A

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 [Signature]
Company Official (Typed Name) Jeff Mast
Company Official Title Director Technical Services



Subscribed and sworn before me this 7th day of March, 2022

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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

Lime 3 Tons/acre or to correct to pH 6.05

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: See Taylor

Comments:

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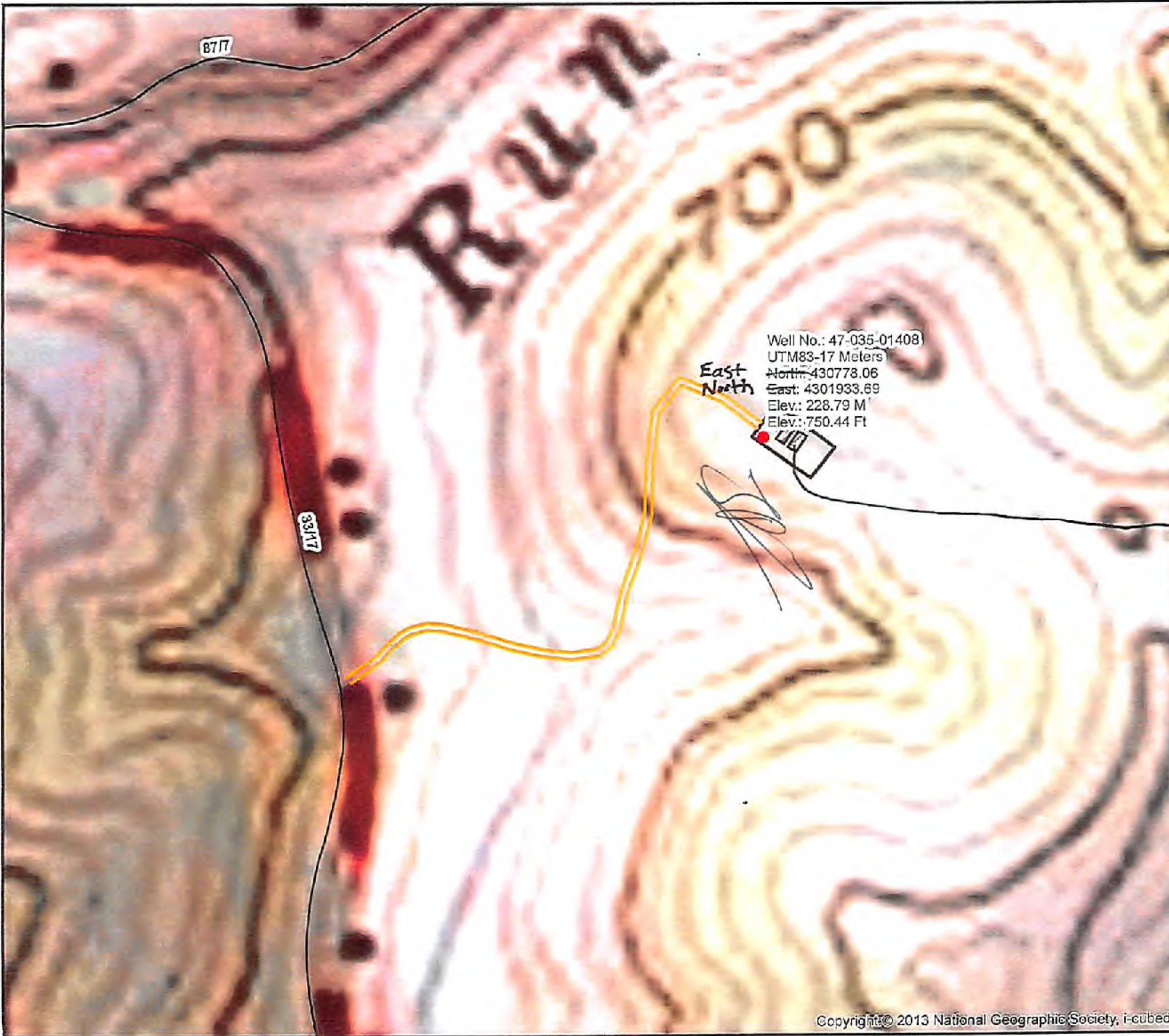
MAR 14 2022

WV Department of Environmental Protection

[Signature]

Title: 006 Inspector Date: 3-10-22

Field Reviewed? (X) Yes () No



Well No.: 47-035-01408
 UTM83-17 Meters
 North: 430778.06
 East: 4301933.69
 Elev.: 228.79 M'
 Elev.: 750.44 Ft

East North



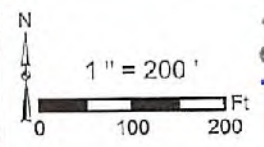
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

47-035-01408
 Plugging Map

Legend

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

1 Pit
 10' W
 20' L
 8' D
 285 bbl



47-035-01408P

4703501408 P

WW-7
8-30-06



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

API: 4703501408 WELL NO.: DEK #39

FARM NAME: Lloyd Stephens

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Jackson DISTRICT: Union

QUADRANGLE: Cottageville

SURFACE OWNER: Belinda Boggess

ROYALTY OWNER: DP Bluegrass LLC

UTM GPS NORTHING: 4301933.69

UTM GPS EASTING: 430778.06 GPS ELEVATION: 750.44

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 ____ : Post Processed Differential ____
Real-Time Differential ____
Mapping Grade GPS X : Post Processed Differential X
Real-Time Differential ____

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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.

Justin Suttler
Digitally signed by Justin Suttler
Date: 2022.02.23 16:19:20 -0500
Signature

Sr. Proj. Manager
Title

2/23/2022
Date

05/06/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permit (API: 47-035-01408 & 47-035-01433)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, May 3, 2022 at 9:30 AM

To: "Mast, Jeff" <jmast@dgo.com>, "Taylor, Joseph D" <joseph.d.taylor@wv.gov>

Cc: Brian Thomas <bkthomas@jacksoncountywv.com>, Aimee Duncan <aduncan@wvassessor.com>



I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-035-01408 - DEK 39**47-035-01433 - 53**

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry**Environmental Resource Specialist 3****West Virginia Department of Environmental Protection****Office of Oil & Gas****601 57th St. SE****Charleston, WV 25304****(304) 926-0499 ext. 41115****(304) 926-0452 fax****Wade.A.Stansberry@wv.gov**

3 attachments **IR-8 Blank.pdf**
233K **47-035-01408 - Copy.pdf**
896K **47-035-01433 - Copy.pdf**
903K**05/06/2022**