



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

Thursday, March 17, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for DEK-28
47-035-01400-00-00

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', is written over a light blue circular stamp.

James A. Martin
Chief

Operator's Well Number: DEK-28
Farm Name: PINNELL, ROGER
U.S. WELL NUMBER: 47-035-01400-00-00
Vertical Plugging
Date Issued: 3/17/2022

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 28
3) API Well No. 47-035 - 01400

RECEIVED
Office of Oil and Gas

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

MAR 15 2022

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

WV Department of
Environmental Protection

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 598.3 feet Watershed Mill Creek
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 Name Joe Taylor
Address 1478 Claylick Road
Ripley, WV 25271
9) Plugging Contractor Name Diversified Production, LLC (In-house rig)
Address 1951 Pleasantview Ridge Road
Ravenswood, WV 26164

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  Date 3-10-22

Plugging Prognosis

API #: 4703501400

West Virginia, Jackson County

Lat/Long: 38.85027892, -81.80964397

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

Casing Schedule

9 5/8" @ 189' (Cemented to surface w/ 100 sx)

7" @ 2,184' (Cemented to 1,340' w/ 75 sx)

4 1/2" @ 4,439' (Cemented to 2,353' w/ 150 sx)

TD 4,439'

Completion: Perforated the Oriskany Sand from 4,375'-4,377' using 8 shots/ft.

Fresh Water: None Listed

Salt Water: None Listed

Gas Shows: None Listed

Oil Shows: None Listed

Coal: None Listed

Elevation: 612'

1. Notify Inspector Joe Taylor @ 304-380-7469, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline.
4. TIH w/ tbg to 4,439'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel. Pump 102' C1A cement plug from 4,377' to 4,275' (**Oriskany Sand Completion plug**). Tag TOC. Top of as needed.
5. TOOH w/ tbg to 4,275'. Pump 6% bentonite gel from 4,275' to 2,234'.
6. 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 listed below. Perforate as needed.**
7. TOOH w/ tbg to 2,234'. Pump 100' C1A cement plug from 2,234' to 2,134' (7" Csg shoe plug).
8. TOOH w/ tbg to 2,134'. Pump 6% bentonite gel from 2,134' to 612'.
9. 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 listed below. Perforate as needed.**
10. TOOH w/ tbg to 612'. Pump 100' C1A cement plug from 612' to 512' (elevation plug).
11. TOOH w/ tbg to 512'. Pump 6% bentonite gel from 512' – 239'.
12. TOOH w/ tbg to 239'. Pump 239' C1A cement plug from 239'- Surface (9 5/8" csg shoe and surface plug).
13. Reclaim well site and erect plugging monument to WV DEP specifications.



3-10-22

03/18/2022



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JAN 17 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD 13

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

Quadrangle Ravenswood 15"

Permit No. JAC-1400
47-035

Company Kaiser Exploration & Mining Co.
Address Box 98, Ravenswood, WV
Farm R. Pinnell Acres 178
Location (waters) Mill Creek
Well No. DEK #28 Elev. 612
District Union County Jackson
The surface of tract is owned in fee by _____
Roger O. Pinnell
Address Rt. 2, Box 808, Millwood, WV
Mineral rights are owned by Same as above
_____ Address _____
Drilling Commenced 7/12/77
Drilling Completed 7/31/77
Initial open flow Show cu. ft. _____ bbls.
Final production 97 cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ 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	189'	189'	100 Sacs=Surface
8 5/8			
7	2184	2184	75
5 1/2			
4 1/2	4439	4439	150=1684'
3			
2			
Liners Used			

Well treatment details: Perforated Oriskany section at 4375' - 4377' with 8 Omega Jet Shots/foot. Fractured Oriskany with 742 bbl. water, 10,000 lbs. 80/100 and 40,000 lbs. 20/40 sand at 18.3 bbl/min.

Attach copy of cementing record. Halliburton

Initial Production = 97 MCF/Day

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sand Depth 4375 - 4377

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shales			0	50		
Sand			50	115		
Shales			115	245		
Sand			245	259		
Shales			259	379		
Sand			379	406		
Shale			406	454		
Red Rock			454	484		
Sand			484	519		
Shale			519	573		
Sand			573	594		
Red Rock			594	648		
Shale			648	696		
Sand			696	705		
Red Rock			705	721		
Shale			721	780		
Sand			780	792		
Shale			792	904		
Salt Sand			904	1009		
Shale			1009	1027		
Sand			1027	1052		
Shale			1052	1088		
Sand			1088	1103		
Shale			1103	1190		

(over)

* Indicates Electric Log tops in the remarks section.

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MAR 10 2022
WV Department of
Environmental Protection

Formation	Color	Hard or Soft	Top Feet /3	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			1190	1290		
Shale			1290	1341		
Sand			1341	1362		
Shale			1362	1427		
Sand			1427	1459		
Shale			1459	1463		
Maxon			1463	1566		
Big Lime			1566	1640		
Shale			1640	1668		
Injun Sand			1668	1802		
Shale			1802	2114		
Coffee Shale			2114	2131		
Berea Sand			2131	2140		
Shale			2140	3290		
Brown Shale			3290	3741		
Shale			3741	4150		
Marcellus Shale			4150	4284		
Onondaga L.S.			4284	4358		
Oriskany Sand			4358	4379		
Helderberg L.S.			4379	TD		
Log Total Depth				4471		

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MAR 10 2022
WV Department of
Environmental Protection

Date January 11 19 78

APPROVED [Signature] Owner

By Staff Petroleum Geologist
(Title)

03/18/2022

WW-4A
Revised 6-07

1) Date: March 4, 2022
2) Operator's Well Number
DEK 28
3) API Well No.: 47 - 035 - 01400

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

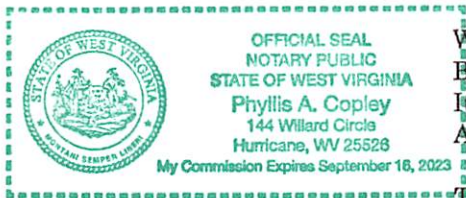
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Rebecca Lynn Pinnell</u>	Name <u>None</u>
Address <u>301 Horseshoe Road</u>	Address _____
<u>Morgantown, WV 26508</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>None</u>
_____	Address _____
(c) Name _____	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

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Office of Oil and Gas

MAR 10 2022

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

03/18/2022

4703501400P

Well DEK 28
47-035-01400

7020 3160 0000 1694 9947

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

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

Morgantown WV 26508

OFFICIAL USE

Certified Mail Fee	\$3.75		0510
\$			2
Extra Services & Fees (check box, add fee if 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 Price	\$8.36		
\$			
Sent To	DEK 28		
Street	Rebecca Lynn Pinnell		
City, St.	301 Horseshoe Road		
	Morgantown, WV 26508		
PS Form			

Postmark Here

03/08/2022

USPS-25510-9999

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MAR 10 2022
WV Department of
Environmental Protection

03/18/2022

WW-9
(5/16)

API Number 47 - 035 - 01400
Operator's Well No. DEK 28

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) Mill Creek 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

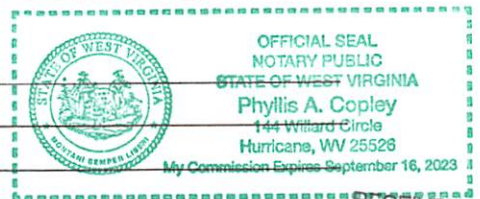
-Landfill or offsite name/permit number? N/A

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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WV Department of Environmental Protection

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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.

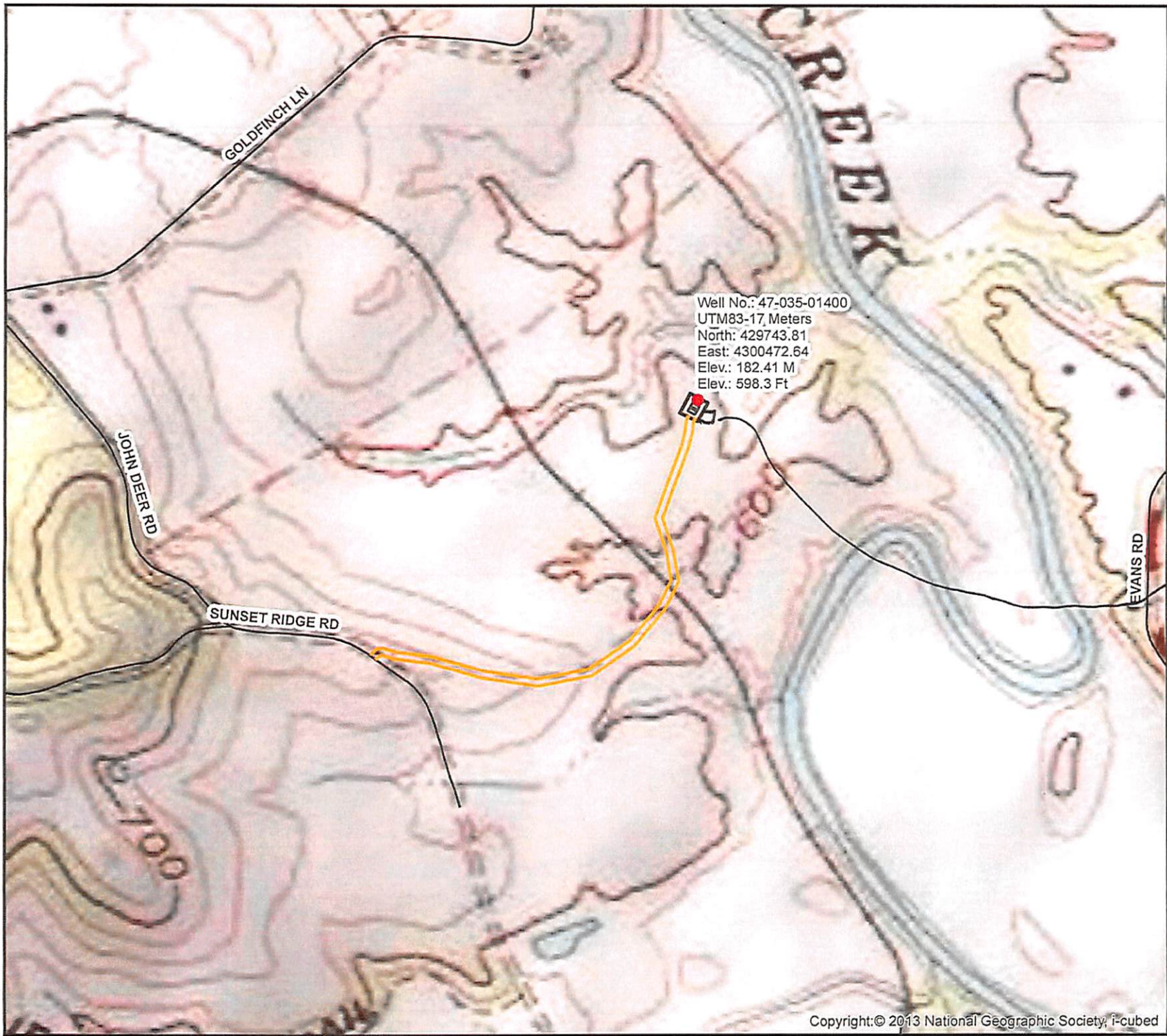
Plan Approved by: Joe Taylor

Comments: _____

Title: 006 Inspector

Date: 3-10-22

Field Reviewed? Yes No



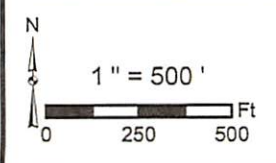
Well No.: 47-035-01400
 UTM83-17, Meters
 North: 429743.81
 East: 4300472.64
 Elev.: 182.41 M
 Elev.: 598.3 Ft

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

47-035-01400
 Plugging Map

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

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



4703501400P

WW-7
8-30-06



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

API: 47-035-01400 WELL NO.: DEK #28

FARM NAME: Roger Pinnell

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Jackson DISTRICT: Union

QUADRANGLE: Cottageville

SURFACE OWNER: Rebecca Lynn Pinnell

ROYALTY OWNER: DP Bluegrass LLC

UTM GPS NORTHING: 4300472.64

UTM GPS EASTING: 429743.81 GPS ELEVATION: 598.3

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

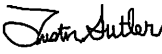
Real-Time Differential

Mapping Grade GPS : 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

Digitally signed by Austin Suttler
Date: 2022.02.24 14:39:46
-05'00'

Sr. Proj. Manager

Title

2/24/2022

Date

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MAR 10 2022

WV Department of
Environmental Protection

03/18/2022



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

Plugging Well Work Permit API: 47-035-01400)

1 message

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

Thu, Mar 17, 2022 at 12:13 PM

To: "Mast, Jeff" <jmast@dgoc.com>, Brian Thomas <bkthomas@jacksoncountywv.com>, "Taylor, Joseph D" <joseph.d.taylor@wv.gov>

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


47-035-01400 - DEK-28

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

2 attachments

 **47-035-01400 - Copy.pdf**
1789K

 **IR-8 Blank.pdf**
228K