



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 24, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for KEM-57
47-035-01541-00-00

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 positioned above the printed name.

James A. Martin
Chief

Operator's Well Number: KEM-57
Farm Name: LATHEY, CLYDE
U.S. WELL NUMBER: 47-035-01541-00-00
Vertical Plugging
Date Issued: 3/24/2022

I

4703501541P

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.

03/25/2022

47-035-01541 P

WW-4B
Rev. 2/01

1) Date March 4, 2022
2) Operator's
Well No. DEK57
3) API Well No. 47-035 - 01541

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

RECEIVED
Office of Oil and Gas

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

MAR 15 2022

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

5) Location: Elevation 855.99 feet Watershed Kessell Run
District Ripley County Jackson Quadrangle Elmwood

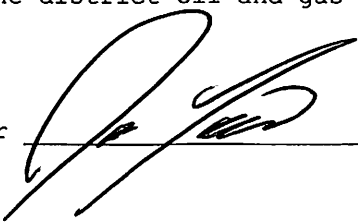
6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast
Address 414 Summers Street Address 31 Hickory Drive
Charleston, WV 25301 Barboursville, WV 25504

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

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

03/25/2022

Plugging Prognosis

API #: 4703501541

West Virginia, Jackson County

Lat/Long: 38.74300571, -81.7598751

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

Casing Schedule

10 ¾" @ 251' (cemented to surface w/ 150 sx)

7" @ 2,455' (cemented to 598' w/ 165 sx)

4 ½" @ 5,090' (cemented to 2,795' w/ 225 sx)

4 ½" SIE permanent bridge plug set at 4,260'

TD @ 4,260'

Completion: Perforated the Brown Shale from 4,053' – 4,227' using 20 holes.

Fresh Water: none listed

Salt Water: none listed

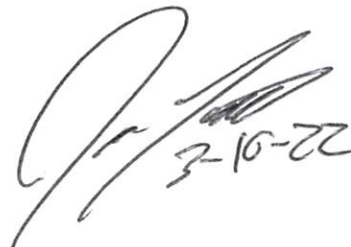
Gas Shows: 4,276'; 4,224'; 4,060'; 3,900'; 3,846'; 3,800'; 3,785'; 3,606'; 3,447'; 3,214'; 2,558'

Oil Shows: none listed

Coal: none listed

Elevation: 869.23'

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 4,227'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel. Pump 1113' C1A cement plug from **4,227' to 3,114' (Brown Shale completion and Brown Shale Gas shows plug)**. Tag TOC. Top of as needed.
5. TOOH w/ tbg to 3,114'. Pump 6% bentonite gel from 3,114' to 2,558'.
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 list below. Perforate as needed.**
7. TOOH w/ tbg to 2,558'. Pump 153' C1A cement plug from **2,558' to 2,405' (Gas show and 7" Csg shoe)**.
8. TOOH w/ tbg to 2,405'. Pump 6% bentonite gel from 2,405' to 870'.
9. TOOH w/ tbg to 870'. Pump 100' C1A cement plug from **870' to 770' (elevation plug)**.
10. TOOH w/ tbg to 770'. Pump 6% bentonite gel from 770' to 301'.
11. 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.**
12. TOOH w/ tbg to 301'. Pump 100' C1A cement plug from **301' to 201' (10 ¾" csg shoe plug)**.
13. TOOH w/ tbg to 201'. Pump 6% bentonite gel from 201'- 100'
14. TOOH w/ tbg to 100'. Pump 100 C1A cement plug from **100'- surface' (Surface plug)**.
15. Reclaim well site and erect plugging monument to WV DEP specifications.



03/25/2022



REVISED

IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date May 27, 1983
Operator's
Well No. KEM #57
Farm Clyde Lathey
API No. 47 - 035 - 1541

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 869.23 Watershed Kessel Run
District: Ripley County Jackson Quadrangle Elmwood

COMPANY Kaiser Exploration and Mining Company

ADDRESS P. O. Box 8, Ravenswood, WV 26164

DESIGNATED AGENT R. A. Pryce

ADDRESS Same

SURFACE OWNER Clyde H. Lathey

ADDRESS Rt. 5, Ripley, WV 25271

MINERAL RIGHTS OWNER Same

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Home

Dougherty ADDRESS Linden Rt., Box 3A, Looneyville, WV

PERMIT ISSUED 7/7/81

DRILLING COMMENCED 10/7/81

DRILLING COMPLETED 10/15/81

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
10 3/4" 23*10*	251(KB)	251(KB)	150 sks neat
9 5/8			
8 5/8			
7	2455(KB)	2455(KB)	65 sks pozmix 100. sks neat
5 1/2			
4 1/2		5090	225 sks pozmix
3			
2			
Liners used	None	JUN - 2 1983	

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 4981 feet

Depth of completed well 5120 feet Rotary X / Cable Tools

Water strata depth: Fresh -- feet; Salt -- feet

Coal seam depths: -- Is coal being mined in the area?

OPEN FLOW DATA

Producing formation Oriskany Sandstone Pay zone depth 4981' feet

Gas: Initial open flow Trace Mcf/d Oil: Initial open flow -- Bbl/d

Final open flow 100 Mcf/d Final open flow -- Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1700 psig(surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)
NOTE: Uneconomical to produce due to excessive salt water production

Plug back Second producing formation Brown Shale Pay zone depth 4053-4227 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow -- Bbl/d

Final open flow 86 Mcf/d Oil: Final open flow -- Bbl/d

Time of open flow between initial and final tests 6 hours

Static rock pressure 475 psig(surface measurement) after -- hours shut in

(Continue on reverse side)

FACT - 1541

FORM IV-35
(REVISED)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

- 4/26/83: Young Wireline set 4 1/2" SIE permanent bridge plug at 4260'(KB); selectively perforated Brown Shale interval using 3 1/8" O.D. selectfire, hollow steel carrier, 20 holes, .39" diameter, from 4053'-4227' (KB).
- 5/12/83: Halliburton foam fractured zone w/75 quality foam (30,000 SCF/min average nitrogen rate), 40 BPM downhole rate; 500 gal 15% HCL acid; 60,000# 20/40 mesh sand; 339 bbl water; 776,000 scf of nitrogen; 2775 psig average treating pressure; 2800 psig breakdown; ISIP: 960 psig.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SAME AS ORIGINAL OG-10					



(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY
Well Operator

By: E. A. P.

Date: May 27, 1983

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

FORM IV-35
(Obverse)
[08-78]

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date: January 5, 1982

WELL OPERATOR'S REPORT

Operation:
Well No. KEM - 57
API Well No. 47 - 035 - 1541
County Putnam

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Test / Shut-in
LOCATION: Elevation: 869 Watershed: Kessel Run
District: Ripley County: Jackson Municipality: Elmwood

WELL OPERATOR Kaiser Exploration and Mining Co. DESIGNATED AGENT SAME
Address P. O. Box 8 Address _____
Ravenswood, WV 26164

PERMITTED WORK: Drill / Convert / Drill deeper / Ream / Fracture or stimulate
Plug off old formation / Perforate new formation / **RECEIVED**
Other physical change in well (specify) _____ FEB 9 - 1982

PERMIT ISSUED ON July 7, 1981 OIL & GAS INSPECTOR FOR THIS WORK: **OIL AND GAS DIVISION
WV DEPARTMENT OF MINES**
Name Richard Morris
Address Box 372
Grantsville, WV

IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____
GEOLOGICAL TARGET FORMATION: Oriskany Depth 4981 feet
Depth of completed well, 5120 feet Rotary / Cable Tools
Water strata depth: Fresh, _____ feet; salt, _____ feet.
Coal seam depths: _____ Is coal being mined in the area? _____
Work was commenced October 7, 1981, and completed October 15, 1981

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	10 3/4	H	32.75	X		251(KB)	251(KB)	150sks Class A
Seal								Sizes
Intermediate	7	K	20	X		2455(KB)	2455(KB)	65sks Pozmix 100sks Class A
Production	4 1/2	N	11.6	X			5090(KB)	225sks Pozmix Depth act
Tubing	2 3/8	K	4.6	X			5008(KB)	
Liners								Perforations:
								Top Bottom
								4981 4985
								5020 5028

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth 4981 feet
Gas: Initial open flow, Trace Mcf/d Oil: Initial open flow, _____ bbl/d
Final open flow, 100 Mcf/d Final open flow, _____ bbl/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, 1700 psig (surface measurement) after 24 hours shut in
(If applicable for multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
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 measurement) after _____ hours shut in

DATE - 1541/



FORM IV-35
(Reverse)

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.:

- 10/19/81: Perforate Oriskany w/50 holes using 3 1/2" ceramic jet charges, from 4981'-to-4985' and from 5020- to - 5028'(KB) (Basin Surveys)
- 10/20/81: Hydraulic fracture Oriskany w/15,000# 80/100, 45,000# 20/40 sand, 344,000 SCF-nitrogen, 805 BBLs water @ 21.2 BPM and 4233 psig. Formation breakdown @ 3400 psig.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks including indication of all fresh and salt water, coal, oil and gas
Soil & Shale			0	39	
Siltstone			39	84	
Shale			84	184	
Sand			184	270	
Shale			270	286	
Sand			286	300	
Shale & Sand			300	715	
Sand			715	758	
Shale			758	802	
Sand			802	830	
Shale			830	1170	
Sand			1170	1258	
Shale			1258	1322	
Sand			1322	1403	
Shale			1403	1452	
Sand			1452	1504	
Shale			1504	1711	
Salt Sand			1711	1804	
Shale			1804	1855	
Big Lime (Greenbrier)			1855	2040	
Shale			2040	2094	
Big Injun Sand			2094	2200	
Shale			2200	2524	
Coffee Shale (Sunbury)			2524	2553	
Berea Sand			2553	2564	
Shale			2564	3781	Gas show @ 2558
Brown Shale			3781	4280	Gas show @ 3214, 3447, 3606
Shale					Gas show @ 3785, 3800, 3846, 3900
Marcellus Shale			4280	4632	4060, 4224, 4276
			4632	4896	Gas show @ 4415, 4578
Onondaga Lime			4896	4972	Gas show @ 4684, 4742, 4748,
Oriskany Sand			4972	5038	4795, 4876
Helderberg Lime			5038	5113	Gas show @ 4920
Total Depth			5113		Gas show @ 4983, 5023

(Attach separate sheets to complete as necessary.)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By

[Signature]

t.s.

General Manager

NOTE: Regulation 2.02(f) provides as follows:

"The term 'log' as used in this regulation shall mean a systematic, detailed geological record of all formations, including all encountered in the drilling of a well."

[Signature]

WW-4A
Revised 6-07

1) Date: March 4, 2022
2) Operator's Well Number
DEK 57

3) API Well No.: 47 - 035 - 01541

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

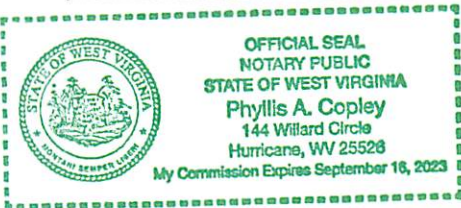
4) Surface Owner(s) to be served:	5) (a) Coal Operator:
(a) Name <u>Forrest E. Jones, Jr.</u>	Name <u>None</u>
Address <u>P.O. Box 1989</u>	Address _____
<u>Charleston, WV 25327</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>None</u>
_____	Address _____
(c) Name _____	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
 Its: Director Technical Services
 Address 414 Summers Strret
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

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.

Well: DEK 57
47-035-01541 P

7020 3160 0000 1694 9916

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

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

Charleston, WV 25327

OFFICIAL USE

Certified Mail Fee	\$3.75	
Extra Services & Fees (check box, add fee as appropriate)	\$3.05	0510
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	2
<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	\$8.36	

Postmark Here
03/08/2022

DEK 57
Forrest E. Jones, Jr.
P. O. Box 1989
Charleston, WV 25327

Instructions

RECEIVED
Office of Oil and Gas
MAR 10 2022
WV Department of
Environmental Protection

03/25/2022

WW-9
(5/16)

API Number 47 - 035 - 01541
Operator's Well No. DEK 57

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) Kessell Run Quadrangle Elmwood

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.

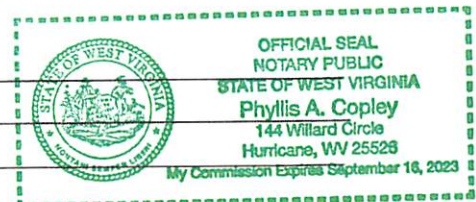
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations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

[Signature]
3-10-22

03/25/2022

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 Injunct Date: 3-10-22

Field Reviewed? (X) Yes () No



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

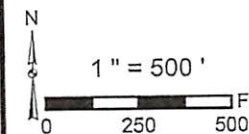
47-035-01541

Plugging Map

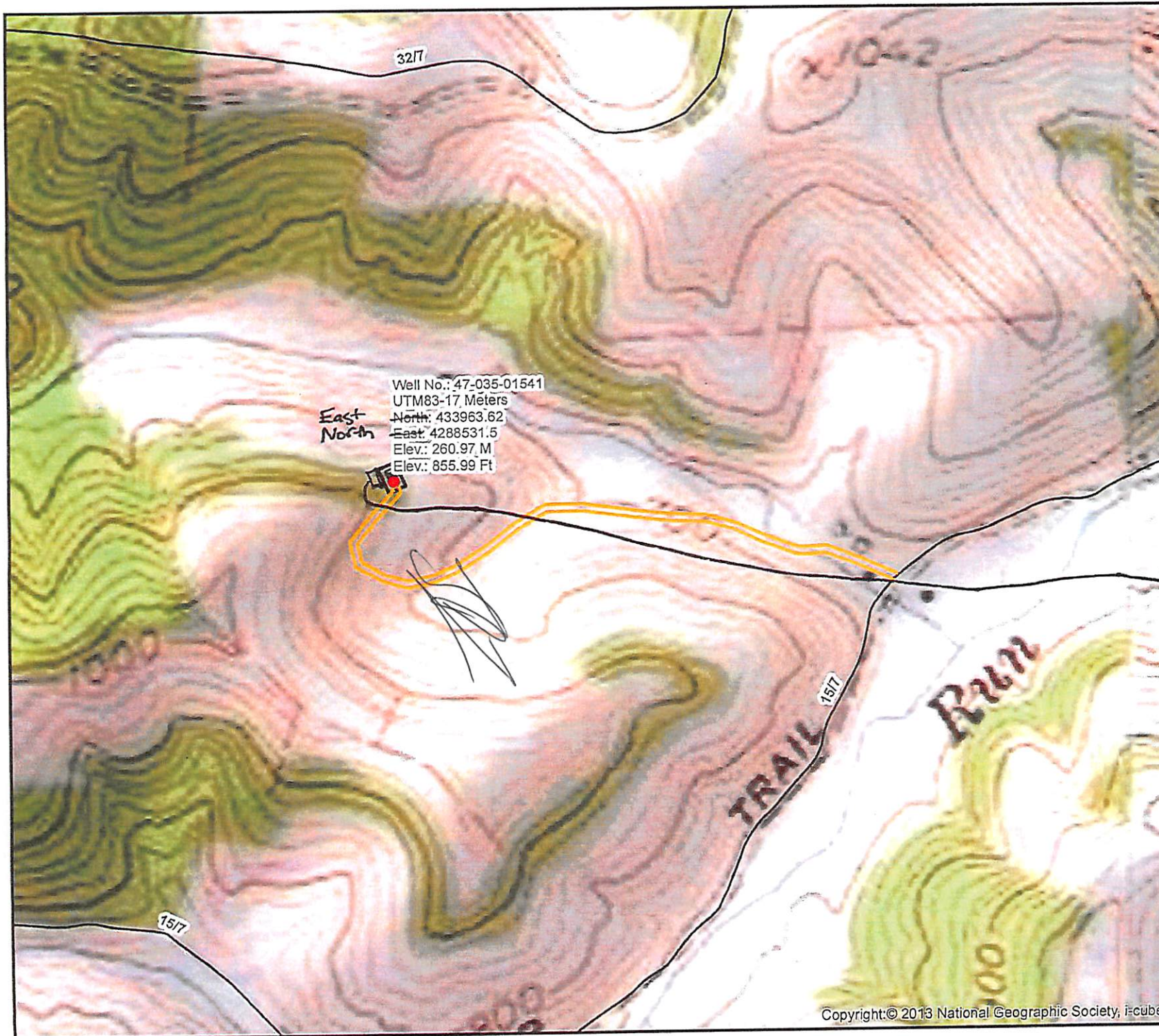
Legend

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

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



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Well No.: 47-035-01541
UTM83-17 Meters
North: 433963.62
East: 4288531.5
Elev.: 260.97 M
Elev.: 855.99 Ft

East
North

TRAIL Run

1517

4703501541P

4703501541P

WW-7
8-30-06



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

API: 47-035-01541 WELL NO.: KEM 57

FARM NAME: Clyde H. Lathey

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Jackson DISTRICT: Ripley

QUADRANGLE: Elmwood

SURFACE OWNER: Forrest E. Johnson

ROYALTY OWNER: DP Bluegrass LLC

UTM GPS NORTHING: 4288531.5

UTM GPS EASTING: 433963.62 GPS ELEVATION: 855.99

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.

Digitally signed by Austin Suttler
Date: 2022.02.23 16:30:49
-05'00'

Sr. Proj. Manager

2/23/2022

Signature

Title

Date

03/25/2022