



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 6, 2025
WELL WORK PLUGGING PERMIT
Horizontal Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for ESTRS-6H
47-005-02291-00-00

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

A blue ink signature of James A. Martin, written in a cursive style.

Operator's Well Number: ESTRS-6H
Farm Name: ROBIN LAND COMPANY LLC
U.S. WELL NUMBER: 47-005-02291-00-00
Horizontal Plugging
Date Issued: 3/6/2025

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. 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.

4700502291P

- 1) Date January 23, 2025
- 2) Operator's
Well No. Robin Land 6H
- 3) API Well No. 47-005 - 02291

**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 / Liquid injection / Waste disposal /
(If "Gas, Production or Underground storage) Deep / Shallow

5) Location: Elevation 1912.56' Watershed Bush Creek
District Peytona County Boone Quadrangle Racine 7.5'

6) Well Operator Diversified Production, LLC 7) Designated Agent Chris Veazey
Address 414 Summers Street Address 414 Summers Street
Charleston, WV 25301 Charleston, WV 25301

8) Oil and Gas Inspector to be notified
Name Terry Urban
Address PO Box 1207
Clendenin, WV 25045

9) Plugging Contractor
Name Next LVL Energy (Diversified Owned)
Address 104 Helliport Loop Rd
Bridgeport, WV 25330

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

See Attached

HORIZONTAL WELL TO 7117 MD AND NEVER COMPLETED. gmm

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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 *Amy White* Date 1-27-25

03/07/2025

Plugging Prognosis

API #: 47-005-02291

West Virginia, Boone County

Lat/Long – 38.165883, -81.723372

Nearest ER: Boone Memorial Hospital: Emergency Room – 701 Madison Ave, Madison, WV 25130

Casing Schedule

12-3/4" @ 25' – No Cementing Information

9-5/8" @ 641' – Cemented w/ 297 cu ft – ETOC @ Surface

7" @ 1266' – Cemented w/ 324 cu ft – ETOC @ 75' using 9" O.H. } ETS ~ 60% excess

TD @ 7117' MD – 3507' TVD – No wellbore survey available

COAL 770-1025' FROM ORIGINAL APPLICATION

Completion: According to records the well was not completed.

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Fresh Water: 580', 880'

Salt Water: 580', 880'

Gas Shows: None Reported

Oil Shows: None Reported

Coal: None Reported

Elevation: 922'

Operator to Cover with Cement all
Oil & Gas Formation including Salt, Elevation,
COALS & Freshwater

1. Notify Inspector Terry Urban @ 304-549-5915, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg. Blow down & kill well as needed.
3. RIH w/ sandline/wireline to depth of refusal in curve and record depth.
4. Pump Gel between each plug. PUMP GEL TO FILL LATERAL MAKING SURE GEL COMES UP INTO 7" CASING
5. Bridge off open hole through curve and into vertical section of wellbore using gravel, sand, and/or bentonite pellets. Approximately 500' above depth of refusal.
6. TIH w/ tbg to top of bridge. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 100 bbls gel. Pump 300' Class L/Class A cement plug from **Top of Bridge (Bottom Plug)**. Approximately 56 sks @ 1.14 yield. Tag TOC. Top off if less than 100' of cement fill up from top of bridge. **Do not omit any plugs listed below. Perforate as needed.**
7. TOOH w/ tbg to 1316'. Pump 786' Class L/Class A cement plug from **1316' to 530' (7" Csg Shoe, Elevation, Fresh/Saltwater, & 9-5/8" Csg Shoe Plug)**. Approximately 165 sks @ 1.14 yield. **Do not omit any plugs listed below. Perforate as needed.**
8. Free point 7" csg. If not CTS, cut and TOOH. Set 100' Class L/Class A cement plug across csg cut. 50' in/out of cut. TOOH w/ tbg to top of plug. Approximately 30 sks @ 1.14 yield. Tag TOC. Top off as needed. **Do not omit any plugs listed below. Perforate as needed. Can combine with Surface & 12-3/4" Csg Shoe Plug if feasible.**
9. TOOH w/ tbg to 100'. Pump 100' Class L/Class A cement plug from **100' to Surface (Surface & 12-3/4" Csg Shoe Plug)**. Approximately 40 sks @ 1.14 yield. **Do not omit any plugs listed below. Perforate as needed.**
10. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

August Urban
1-27-25

03/07/2025



4700502291P

McLaughlin, Jeffrey W <jeffrey.w.mclaughlin@wv.gov>

Boone County, WV - 47-005-02291 and 47-005-02292

1 message

Joe Wade <cc.jwade@dgoc.com>

Thu, Mar 6, 2025 at 10:51 AM

To: "McLaughlin, Jeffrey W" <jeffrey.w.mclaughlin@wv.gov>

Cc: "James P. Kennedy X 41112 (James.P.Kennedy@wv.gov)" <james.p.kennedy@wv.gov>, Chris Veazey <CVeazey@dgoc.com>, Nicholas Bumgardner <nbumgardner@dgoc.com>, Jeffrey Bush <jbush@dgoc.com>, Rebecca Wanstreet <rwanstreet@dgoc.com>, Kevin Cook <KCook@nextvlenergy.com>, Richie Campbell <jrcampbell@dgoc.com>

Jeff,

This is to show record of what we discussed on the phone a few minutes ago.

Kevin Cook who is one of Next LVLs field operations folks has been to both wells. Following is from an email he sent me last night.

"I have been to the wells & shot liquid levels on both. The conventional has 4.5" casing. The horizontal has 7" casing only. From the time any of our legacy companies have operated the wells there was not a line layer to location. Best intel we could gather, there was never a line layer to location. Timing of drilling & casing these wells coincided with the company going out of business. These wells were reportedly purchased as a package with some other viable wells."

I've attached two pictures from Kevin as well. The one labeled "GPS Well Head (ESTRS # 6H) is the 47-005-02291, the horizontal. If you zoom in you can see it written on the collar. This is the horizontal that has only 7", no 4-1/2". The second picture is labeled with the API number of the well, 4700502292. You can see it has 4-1/2" csg with a frac valve on top.

If it's acceptable we would like to use the procedures I assembled and have attached to this email as well. We will verify free point on the 4-1/2" csg of the 02292 since it is in the hole, but the records don't contain any cementing information. Ideally it will be free, and we can just TOO H with it, but we will see.

Please let me know if you have any questions or need anything additional.

Thank You!



03/07/2025

4700502291 P



4700502291P

WR-35

DATE: 03/25/2009
API#: 4700502291

State of West Virginia
Division of Environmental Production
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name Robin Land Company Operator Well No.: ESTRS-6H
LOCATION Elevation: 922 Quadrangle: Racine, WV

District: Peytona County: Boone
Latitude: 300 Feet South of 38 Deg. 10 Min. 00 Sec.
Longitude: 4350 Feet West of 81 Deg. 42 Min. 30 Sec.

Company:

Penn Virginia Oil & Gas Corporation

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: Seven Sheridan Square, Suite 200	12 3/4"	25'	25'	
Kingsport, TN 37660	9 5/8"	641'	641'	220sks/297c
Agent: Bryant Bowman	7"	1266'	1266'	240sks/324c
Inspector: Barry Stollings				
Date Permit Issued: 06/11/2008				
Date Well Work Commenced: <u>09-23-2008</u>				
Date Well Work Completed: <u>Well Not Completed</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): <u>7,117 MD 3,507 TVD</u>				
Fresh Water Depth (ft): 580'				
Salt Water Depth (ft): 880'				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft):				

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OPEN FLOW DATA

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

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

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NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANE, TEC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: _____
By: JAMES R. BURNS
Date: 3/25/2009

03/07/2025

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

WELL NOT COMPLETED AT THIS TIME

4700502291P

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand & Shale	0000	0747	Water @ 580'
Sand	0747	1009	Water @ 880'
Shale	1009	1147	
Sand	1147	1207	
Little Lime	1207	1217	
Shale	1217	1395	
Big Injun	1395	1437	
Sand/Shale/SLTS	1437	1851	
Sunbury/Coffee	1851	1867	
Berea	1867	1875	
Upper Devonian Shale	1875	2105	
Gordon	2105	2137	
Upper Devonian Shale	2137	3051	
Lower Huron	3051		TD 3506

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4700502291P

5-02291-H

Form: WW-2B

S/TS

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Operator Penn Virginia Oil & Gas Corporation

Table with 4 columns: Operator ID, County (Boone), District (Peytona), Quadrangle (Racine, WV). Includes handwritten numbers 5, 2, 565.

2) Operator's Well Number: ESTRS-6H

3) Elevation: 922

4) Well Type: (a) Oil or Gas X (b) If Gas: Production X / Underground Storage Deep / Shallow X

5) Proposed Target Formation(s): Devonian Shale, L. Huron

6) Proposed Total Depth: 4195 TVD Feet

7) Approximate fresh water strata depths: 0-115'; 352'-555'

8) Approximate salt water depths: None Reported on Offsite Well

9) Approximate coal seam depths: 770'-1025'

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work: Drill and complete a horizontal Devonian Shale Well.

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12) CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft), FOOTAGE (For Drilling), INTERVALS (Left in Well), CEMENT (Fill-up (Cu. Ft.)). Includes handwritten 'cts' in the CEMENT column.

Packers: Kind Sizes: Depths Set

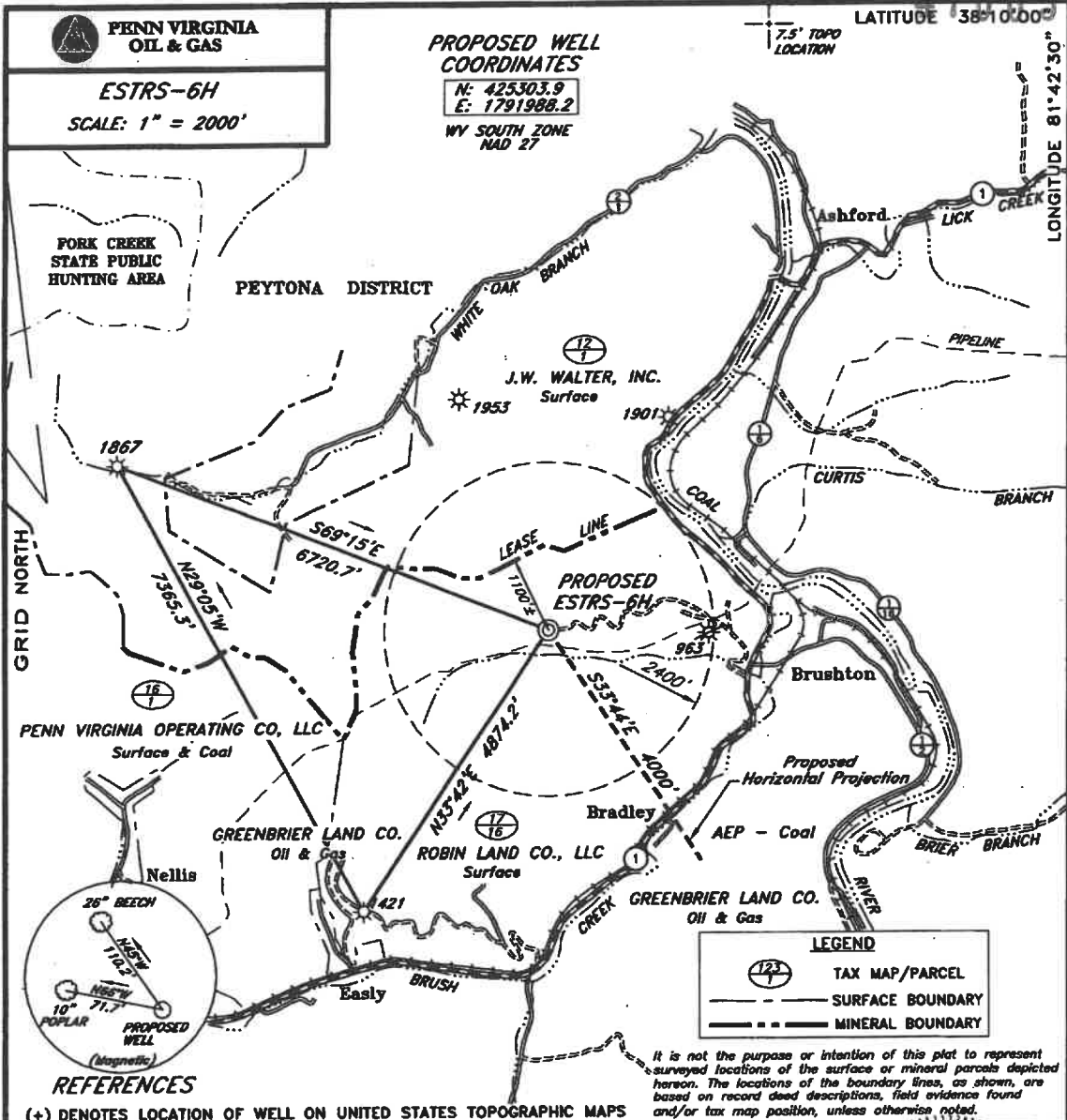
B.S. 6-5-08

Handwritten notes: dk 1000029005 #650

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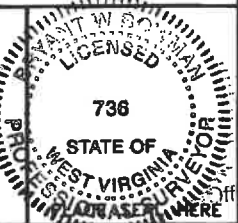
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FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=2000'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION GPS - NAD 27
 WV SOUTH ZONE

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) *Bryant Bowman*
 R.P.E. L.L.S. 736



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

DATE APRIL 1, 2008
 OPERATOR'S WELL NO. ESTRS-6H
 API WELL NO. 47-005-02291H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 922 WATERSHED BRUSH CREEK
 DISTRICT PEYTONA COUNTY BOONE
 QUADRANGLE RACINE, WV

SURFACE OWNER ROBIN LAND CO., LLC ACREAGE 2157 ±
 OIL & GAS ROYALTY OWNER GREENBRIER LAND COMPANY LEASE ACREAGE 6511 ±
 LEASE NO. 106930

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION DEV. SHALE L. HURON ESTIMATED DEPTH 4195' TVD 7200MD'
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORPORATION DESIGNATED AGENT BRYANT BOWMAN
 ADDRESS SEVEN SHERIDAN SQUARE, SUITE 200 ADDRESS PO BOX 6
KINGSPORT, TN 37660 ALUM CREEK, WV 25003

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Select County: (005) Boone Select datatypes: (Check All)

Enter Permit #: 02291

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

[Table Descriptions](#)
[County Code Translations](#)
[Permit-Numbering Series](#)
[Usage Notes](#)
[Contact Information](#)
[Disclaimer](#)
[WVGES Main](#)
[Pipeline-Plus! New](#)

WV Geological & Economic Survey:

Well: County = 5 Permit = 02291 [Link to all digital records for well](#)

Report Time: Thursday, February 13, 2025 12:38:23 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX	DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4700502291	Boone	2291		Peytona	Racine	Peytona	38.165883	-81.723372	436632.8	4224467.6

Comment: No bottom hole coords given

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4700502291	-/-		Dvtd Orgnl Loc Completed	Robin land Co LLC	6H		ESTRS	106930	Greenbrier Land Co	Penn Virginia Oil & Gas Corp.	4195	Lower Huron	

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AFT	
4700502291	-/-	9/23/2008	922	Ground Level	Peytona-Emmons	Lower Huron		Development Well	Unsuccessful	not available	Rotary	NotCmpltd	3507	7117					7117

Comment: -/- No completion date given; well was not completed according to record

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4700502291	-/-	Water	Fresh Water	Vertical				580	Pennsylvanian System				
4700502291	-/-	Water	Salt Water	Vertical				880	Pennsylvanian System				

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4700502291	Nyctis Exploration Co., LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2023	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4700502291	Nyctis Exploration Co., LLC	2017	0												
4700502291	Nyctis Exploration Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2023	0	0	0	0	0	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4700502291	Nyctis Exploration Co., LLC	2017	0												
4700502291	Nyctis Exploration Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2023	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4700502291	Nyctis Exploration Co., LLC	2017	0												
4700502291	Nyctis Exploration Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Nyctis Exploration Co., LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4700502291	Diversified Production, LLC	2023	0	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV	DATUM
4700502291	Dvtd Orgnl Loc	Little Lime	Well Record	1207	Reasonable	10	Reasonable	922	Ground Level
4700502291	Dvtd Orgnl Loc	Big Injun (Price&eq)	Well Record	1395	Reasonable	42	Reasonable	922	Ground Level
4700502291	Dvtd Orgnl Loc	Sunbury Sh	Well Record	1851	Reasonable	16	Reasonable	922	Ground Level
4700502291	Dvtd Orgnl Loc	Berea Ss	Well Record	1867	Reasonable	8	Reasonable	922	Ground Level
4700502291	Dvtd Orgnl Loc	Gordon	Well Record	2105	Reasonable	32	Reasonable	922	Ground Level
4700502291	Dvtd Orgnl Loc	Lower Huron	Well Record	3015	Reasonable			922	Ground Level

Wireline (E-Log) Information:

* There is no Scanned/Raster Log data for this well

* There is no Digitized/LAS Log data for this well

* There is no Scanned or Digital Logs available for download

There is no Plugging data for this well

There is no Sample data for this well

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WW-4A
Revised 6-07

1) Date: 1/23/2025
2) Operator's Well Number Robin Land 6H

3) API Well No.: 47 - 005 - 02291

**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>ERP Environmental Fund, Inc. c/o Doss Engineering</u>	Name _____
Address <u>216 School Dr.</u>	Address _____
<u>Shrewsbury, WV 25015</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Appalachian Power Company c/o Robin Land Company</u>
_____	Address <u>PO Box 305</u>
_____	<u>Madison, WV 25130</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>(304) 549-5915</u>	_____

(Handwritten signature: TU)

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: Chris Veazey
 Its: Director of Administration
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-590-7707

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JAN 31 2025
WV Department of Environmental Protection

Subscribed and sworn before me this 23rd day of January, 2025 Notary Public

My Commission Expires September 28, 2028

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.

03/07/2025

4700502291e

Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

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ERP ENVIRONMENTAL FUND INC
C/O DOSS ENGINEERING
216 SCHOOL DR
SHREWSBURY WV 25015-1870

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1/23/25, 1:30 PM

SURFACE OWNER WAIVER

4700502291P

Operator's Well
Number

Robin Land 6H

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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Time Limits and methods for filing comments. The law requires these materials to be served on you before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____

		Date _____

Signature

Date

03/07/2025

Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

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APPALACHIAN POWER COMPANY
C/O ROBIN LAND COMPANY
PO BOX 305
MADISON WV 25130-0305

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1/23/25, 1:31 PM

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WW-4B

API No. 4700502291

Farm Name Robin Land

Well No. Robin Land 6H

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

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DIVERSIFIED
energy

4700502291P

Date: 1/23/2025

James Martin
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
(304)926-0450

Mr. Martin,

Due to our cement provider, LaFarge Holcem, discontinuing the manufacturing of Class A cement, DGOC will be utilizing Class L cement to plug the following well:

API Number 4700502291 Well Name Robin Land 6H

Attached is the approved variance order for use of Class L cement.

Sincerely,

Diversified Energy Permitting Department

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WV Department of
Environmental Protection



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4)
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-13

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REPORT OF THE OFFICE

WV Department of
Environmental Protection

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

FINDINGS OF FACT

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

Promoting a healthy environment.

03/07/2025

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief
Office of Oil and Gas

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WV Department of
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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) Bush Creek Quadrangle Racine 7.5'

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: Production 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 2D03902327 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 RECEIVED Office of Oil and Gas

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

JAN 31 2025

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A WV Department of Environmental Protection

-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) Chris Veazey
Company Official Title Director of Administration



Subscribed and sworn before me this 23rd day of January, 2025

[Signature] Notary Public

My commission expires September 28, 2028

Proposed Revegetation Treatment: Acres Disturbed +/- 1 ac. Prevegetation pH N/A

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount 500 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: [Signature]
Comments:

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Title: [Signature] Date: 1-27-25

Field Reviewed? [X] Yes [] No



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

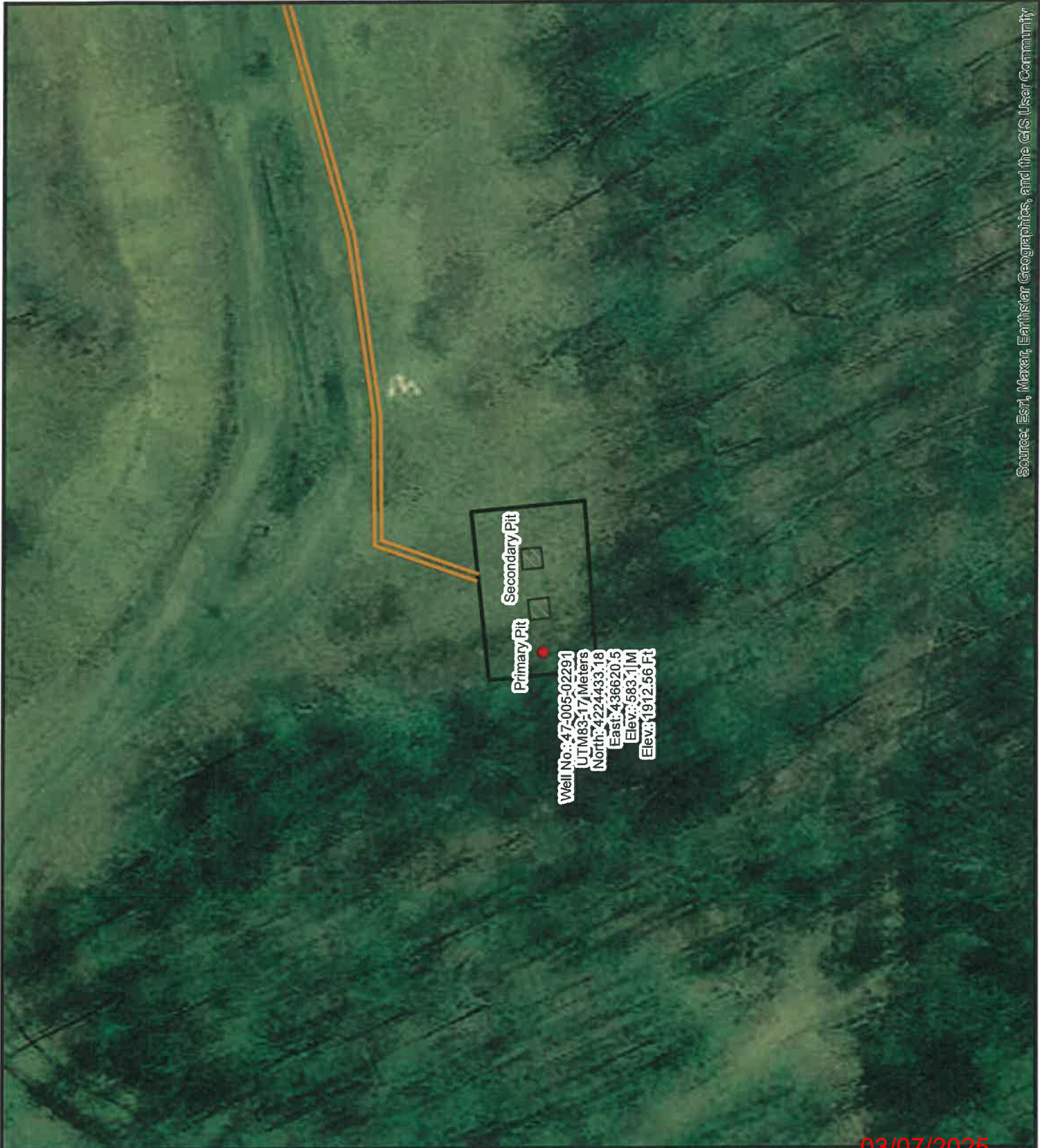
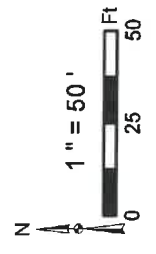
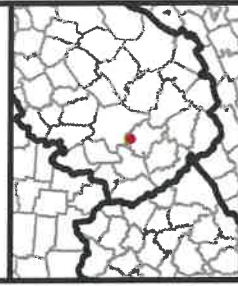
47-005-02291

Well Plugging Map

Legend

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

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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



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

47-005-02291

Well Plugging Map

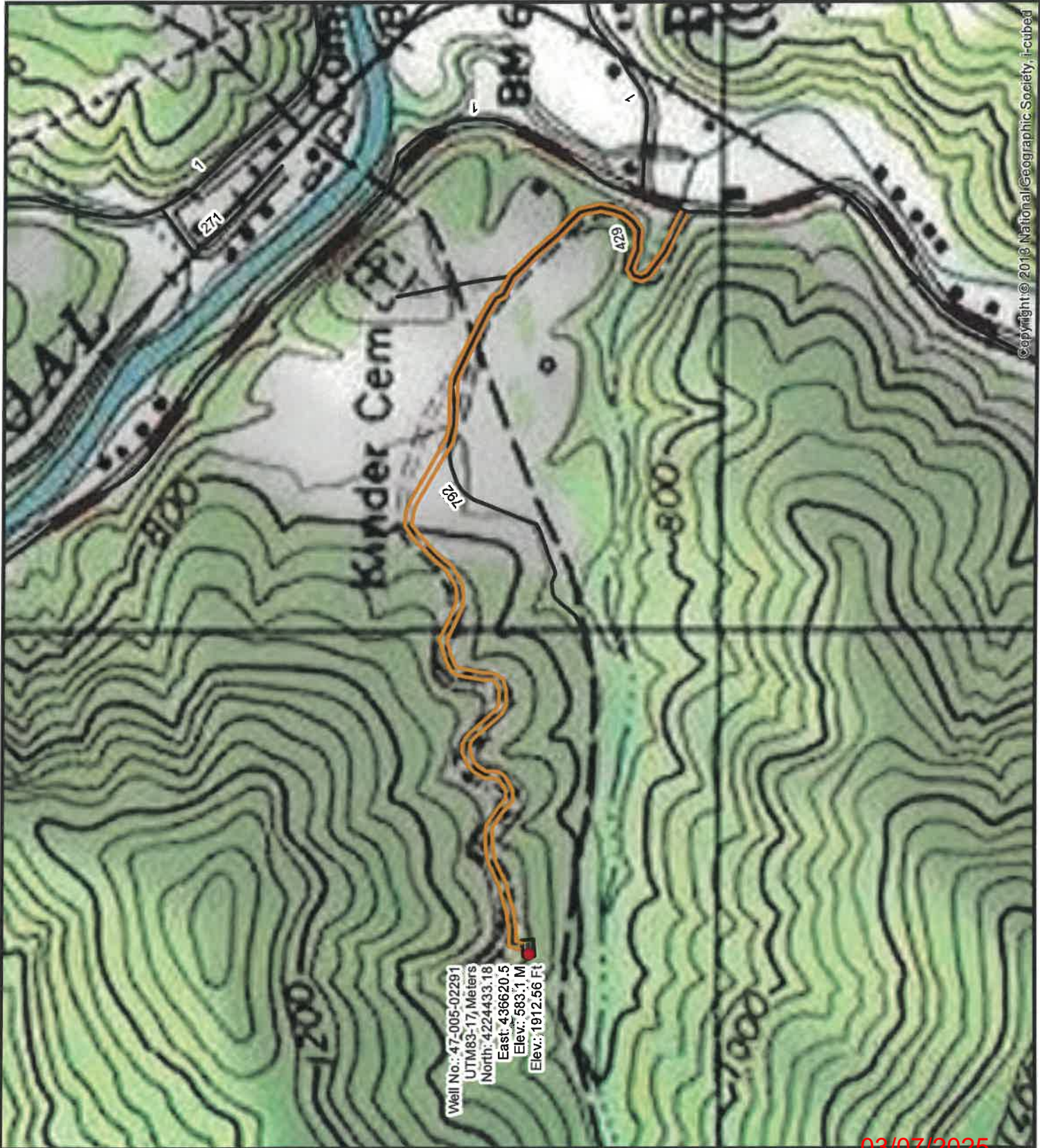
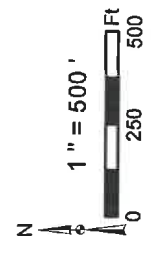
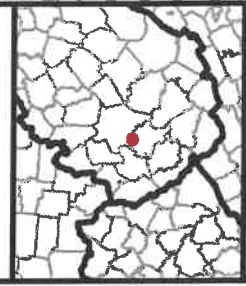
Legend

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

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Well No.: 47-005-02291
 UTM83-17, Meters
 North: 4224433.18
 East: 436620.5
 Elev.: 583.1 M
 Elev.: 1912.56 Ft

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4700502291P

WW-7
8-30-06



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

API: 4700502291 WELL NO.: Robin Land 6H

FARM NAME: Robin Land

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Boone DISTRICT: Peytona

QUADRANGLE: Racine 7.5'

SURFACE OWNER: ERP Environmental Fund, Inc. c/o Doss Engineering

ROYALTY OWNER: Heirs & Assigns of Tasa Coal Co.

UTM GPS NORTHING: 4224433.18

UTM GPS EASTING: 436620.5 GPS ELEVATION: 1912.56'

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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- 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

Chris Veazey - Director of Administration
Title

01/23/2025
Date

03/07/2025