



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, November 16, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for FORINASH 510851
47-041-05266-00-00

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:
Farm Name: HALL, CHARLES & HELEN
U.S. WELL NUMBER: 47-041-05266-00-00
Vertical Plugging
Date Issued: 11/16/2023

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.

1) Date September 19, 2023
2) Operator's
Well No. Hall Charles 510851
3) API Well No. 47-041 - 05266

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 1356.83' Watershed Stone Coal Creek
District Weston County Lewis Quadrangle Berlin 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 9) Plugging Contractor
Name Kenneth Greynolds Name Next LVL Energy (Diversified Owned)
Address 613 Broad Run Rd. Address 104 Helliport Loop Rd
Jane Lew, WV 26378 Bridgeport, WV 25330

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

See Attached

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector *Kenneth L. Greynolds* Date 10-25-23

11/17/2023

Well Number 510851

**Equitable Production Company
WR-35 Completion Report - Attachment
Well Treatment Summary**

API # 4704105266

Stage1		Stage2		Stage3		Stage4	
Date	07/14/2007	Date	07/14/2007	Date	07/14/2007	Date	07/14/2007
FracTyp	Variabl Foam	FracTyp	Variabl Foam	FracTyp	Variabl Foam	FracTyp	Variabl Foam
Zone	Benson	Zone	Speechly	Zone	5th. Sand	Zone	Gantz
# of Perfs	25	# of Perfs	25	# of Perfs	39	# of Perfs	30
From/To	4,464- 4,472	From/To	3,001- 3,215	From/To	2,504- 2,559	From/To	2,010- 2,039
BD Press	3,800	BD Press	2,741	BD Press	1,945	BD Press	2,597
ATP Psi	3,103	ATP Psi	2,941	ATP Psi	2,323	ATP Psi	2,705
Avg Rate	30	Avg Rate	40	Avg Rate	30	Avg Rate	30
Max Press Psi	3,301	Max Press Psi	3,092	Max Press Psi	2,413	Max Press Psi	2,818
ISIP Psi	2,541	ISIP Psi	1,526	ISIP Psi	1,550	ISIP Psi	2,235
10min SIP	0 5 min.	10min SIP	0 5 min.	10min SIP	0 5 min.	10min SIP	2,060 5 min.
Frac Gradient	0.68	Frac Gradient	0.60	Frac Gradient	0.72	Frac Gradient	1.20
Sand Proppant	250.00	Sand Proppant	350.00	Sand Proppant	250.00	Sand Proppant	300.00
Water-bbl	119	Water-bbl	170	Water-bbl	94	Water-bbl	110
SCF N2	268,000	SCF N2	371,000	SCF N2	188,000	SCF N2	263,000
Acid-gal	1,000 gal 15%HCL	Acid-gal	500 gal 15%HCL	Acid-gal	5,000 gal 15%HCL	Acid-gal	0 gal

Formation Name	Depth To	Depth Bottom	Formation Thick
KB to GL	0.00	10	10.00
Rock	10.00	40	30.00
Sandy Shale	40.00	1,291	1,251.00
Rosedale	1,291.00	1,336	45.00
ROSEDALE GAS SAN	1,336.00	1,465	129.00
ROSEDALE SALT SA	1,465.00	1,614	149.00
MAXTON	1,614.00	1,754	140.00
BIG LIME	1,754.00	1,839	85.00
BIG INJUN	1,839.00	1,941	102.00
GANTZ	2,002.00	2,111	109.00
50F	2,111.00	2,197	86.00
30F	2,197.00	2,255	58.00
GORDON	2,255.00	2,361	106.00
4TH SAND	2,361.00	2,423	62.00
5TH SAND	2,500.00	2,564	64.00
SPEECHLEY	2,944.00	3,231	287.00
BALLTOWN	3,427.00	3,799	372.00
BRADFORD	3,799.00	4,087	288.00
RILEY	4,087.00	4,449	362.00
BENSON	4,449.00	4,525	76.00

Gas Tests	
Depth	Remarks
2,552	145mcf/d
4,621	119mcf/d
4,720	103mcf/d

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

API # 4704105266

Farm Name Hall, Charles & Helen Well Number 510851
 Location Elevation 1,348 Quadrangle BERLIN
 District Skin Creek County Lewis, WV
 Degree 39.00 Minute 2.00 Second
 Latitude 15060 FSL 39.00 2.00 30.00
 Longitude 1400 FWL 80.00 20.00 0.00

Company Equitable Production Company
1710 Pennsylvania Avenue Charleston,
WV 25328
 Agent Todd Tetrick
 Inspector Tim Bennett
 Permit Issued 05/10/2007
 Well Work Commenced 06/18/2007
 Well Work Completed 08/08/2007
 Verbal Plugging
 Permission granted or _____
 Rotary Rig Cable Rig _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cubic Ft
13 3/8	40	40	
7	1,291	1,291	295.00
4 1/2	4,547	4,547	434.70
2 3/8		2,327	

Total Depth 4,720

Water Encountered

Type Fresh water From 1/2" @ 30'

Coal & Open Mines

Type Coal From None reported

RECEIVED
Office of Oil & Gas
NOV - 7 2007

WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas

OCT 27 2007

WV Department of
Environmental Protection

Open Flow Data

Producing Formation Benson ; Speeclty ; 5ft. Sand Pay Zone Depth (ft): See attached for details
 ; Gantz ;
 Gas: Initial Open Flow 103 MCF 6/33/07 Date Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow 119 MCF 08/08/2007 Date Final Open Flow _____
 Time of open flow between initial and final tests 0 hours
 Static Rock Pressure 340 after 0 hours

Second Producing Formation _____ Pay Zone Depth (ft) _____
 Gas: Initial Open Flow _____ MCF _____ Date Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow _____ MCF _____ Date Final Open Flow _____
 Time of open flow between initial and final tests _____ hours
 Static Rock Pressure _____ after _____ hours

NOTE: On back of this form put the following
 1) Details of Perforated Intervals, fracturing or stimulating, physical change, etc.
 2) The well log, a systematic detailed geological record of all formations including coal encountered in the well bore

For Equitable Production Company
 By [Signature]
 Date 11/5/07

11/17/2023

PLUGGING PROGNOSIS

West Virginia, Lewis County
API # 47-041-05266

Casing Schedule

13-3/8" csg @ 40'
7" csg @ 1291' (cement to surface w/ 295 cu ft)
4-1/2" csg @ 4547' (cement to 320' w/ 434.7 cu ft)
2-3/8" @ 2327'
TD @ 4720' (doesn't look like the 4-1/2" csg shoe was drilled out.)

Completion: Perf – 4464'-4472'; 3001'-3215'; 2504'-2559'; 2010'-2039'

Fresh Water: 30'
Saltwater: None Reported
Coal: None Reported
Oil Show: None Reported
Gas Show: 2552'
Elevation: 1167'

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

1. Notify inspector, Ken Greynolds @ (304) 206-6613, 48 hrs. prior to commencing operations.
2. Check wellhead pressure and tag TD w/ sandline.
3. Pull tbg and lay down
4. Run in to depth @ 4490'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel.
Pump 108' Class L cement plug from 4472' to 4364' (completion plug). Tag TOC. Top off as needed.
5. TOOH w/ tbg to 4364'. Pump 6% bentonite gel from 4364' to 3215'
6. TOOH w/ tbg to 3215'. Pump 315' Class L Cement plug from 3215' to 2900' (completion plug)
7. TOOH w/ tbg to 2900'. Pump 6% bentonite gel from 2900' to 2559'.
8. TOOH w/ tbg to 2559'. Pump 155' Class L Cement plug from 2559' to 2404' (completion and gas show plug)
9. TOOH w/ tbg to 2404'. Pump 6% bentonite gel from 2404' to 2039'.
10. TOOH w/ tbg to 2039'. Pump 129' Class L cement plug from 2039' to 1910' (completion plug).
11. TOOH w/ tbg to 1910'. Pump 6% bentonite gel from 1910' to 1341'.
12. TOOH w/ tbg to 1341'. Pump 395' Class L cement plug from 1341' to 1117' (7" csg shoe and elevation plug).
13. TOOH w/ tbg to 1117'. Pump 6% bentonite gel from 1117' to 100'.
14. Free point 4-1/2" tbg. Cut and TOOH. Set 100' Class L cement plug across csg cut. 50' in/out of cut.
TOOH w/ tbg to top of plug. **Do not omit any plugs listed below. Perforate as needed.**
15. TOOH w/ tbg to 100'. Pump 100' Class L cement plug from 100' to Surface. (Surface plug).
16. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

Ken L. Greynolds
10-25-23

11/17/2023

WW-4A
Revised 6-07

1) Date: 9/19/2023
2) Operator's Well Number Hall Charles 510851

3) API Well No.: 47 - 041 - 05266

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>David A. Hall, Dana S. Hall, & Carol S. Stephens</u>	Name _____
Address <u>180 Van Clevesville Rd.</u>	Address _____
<u>Martinsburg, WV 25405</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>David A. Hall, Dana S. Hall, & Carol S. Stephens</u>
_____	Address <u>180 Van Clevesville Rd.</u>
_____	<u>Martinsburg, WV 25405</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Kenneth Greynolds</u>	(c) Coal Lessee with Declaration
Address <u>613 Broad Run Rd.</u>	Name _____
<u>Jane Lew, WV 26378</u>	Address _____
Telephone <u>(681) 990-6948</u>	_____

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

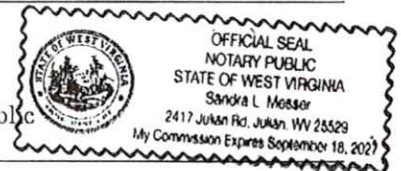
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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: Permitting Supervisor
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-590-7707

Subscribed and sworn before me this 22nd day of September, 2023
Sandra L. Messer Notary Public
 My Commission Expires Sept. 18, 2027



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.

11/17/2023

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

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

USPS CERTIFIED MAIL™



9407 1361 0544 0398 9839 74



DAVID A & DANA S HALL CAROL S STEPHENS
180 VAN CLEVELSVILLE RD
MARTINSBURG WV 25405-5535

US POSTAGE AND FEES PAID
2023-09-22
25301
C4000004
Retail
410 OZELAT



easyPost
0901000008090

11/17/2023



DIVERSIFIED
energy

Date: 9/19/2023

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 4704105266 Well Name Hall Charles 510851

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

Sincerely,

Chris Veazey
Permitting Supervisor
304-590-7707

RECEIVED
Office of Oil and Gas
OCT 27 2023
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

RECEIVED
Office of Oil and Gas

OCT 27 2023

WV Department of
Environmental Protection

REPORT OF THE OFFICE

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.

11/17/2023

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.

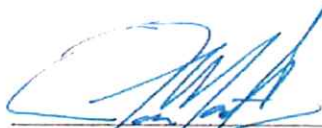
ORDER

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

RECEIVED
Office of Oil and Gas

OCT 27 2023

WV Department of
Environmental Protection

11/17/2023

WW-9
(5/16)

API Number 47 - 041 - 05266
Operator's Well No. Hall Charles 510851

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) Stone Coal Creek Quadrangle Berlin 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

-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 Chris Veazey

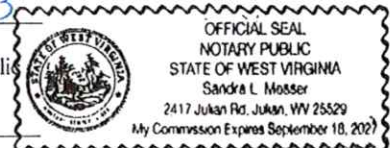
Company Official (Typed Name) Chris Veazey

Company Official Title Manager Plugging Operations

Subscribed and sworn before me this 22nd day of September, 2023

Sandra L. Mosser Notary Public

My commission expires Sept. 18, 2027



11/17/2023

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount TBD 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: RECLAIM, RESTED + MUCH ASAP

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of Environmental Protection

Title: Oil & Gas Inspector Date: 10-25-23

Field Reviewed? () Yes () No



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

47-041-05266

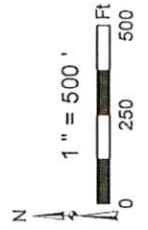
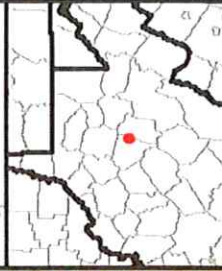
Plugging Map

Legend

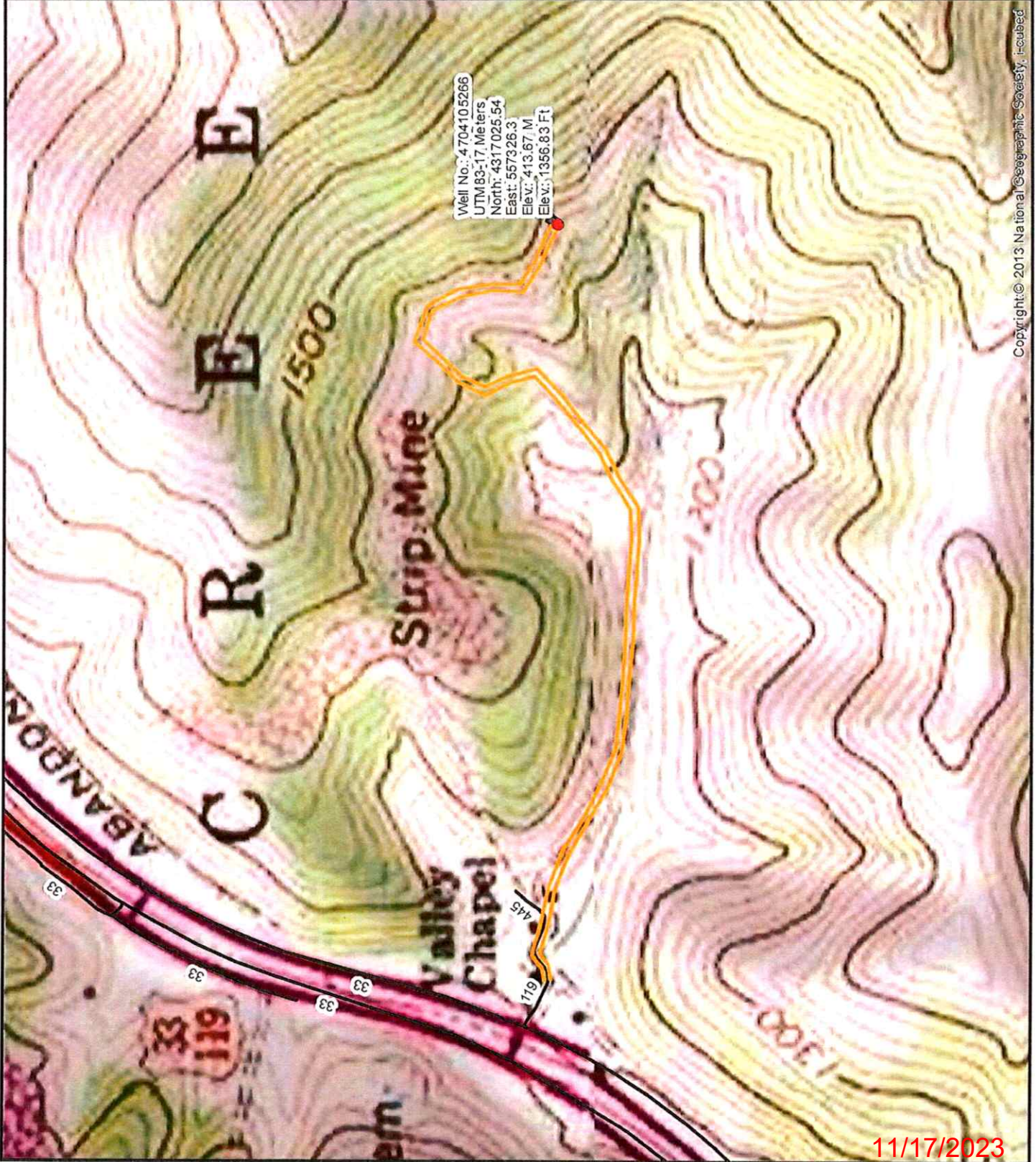
- Well
- Access Road
- ▨ Pits
- Pad
- Public Roads

RECEIVED
 Office of Oil and Gas
 OCT 27 2023

WV Department of
 Environmental Protection



Well No.: 4704105266
 UTM83: 17, Meters
 North: 4317025.54
 East: 557326.3
 Elev.: 413.67 M
 Elev.: 1356.83 Ft



Copyright © 2013 National Geographic Society. i-cubed

11/17/2023



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

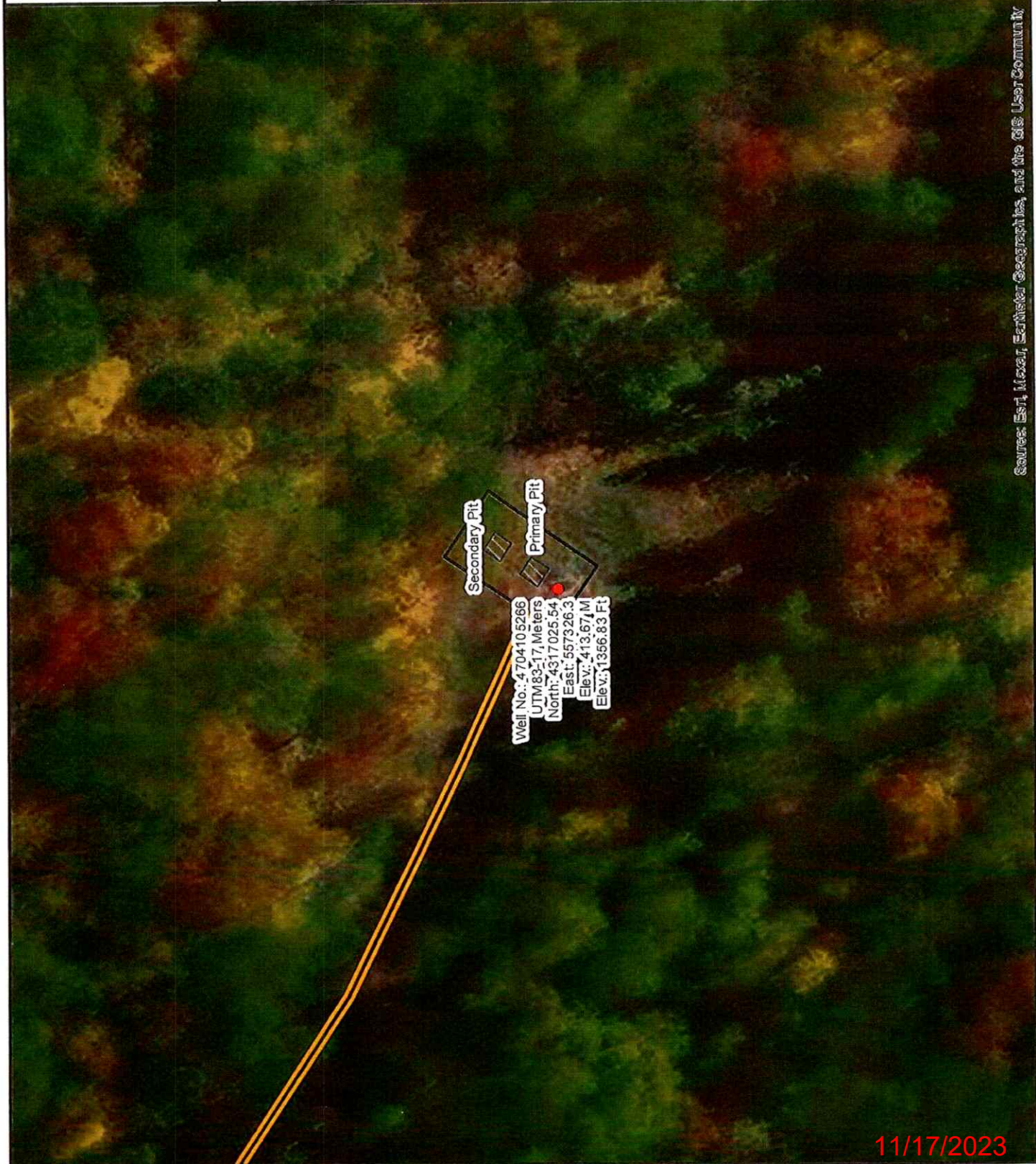
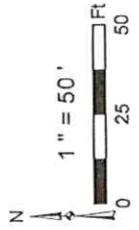
47-041-05266

Plugging Map

Legend

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

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection



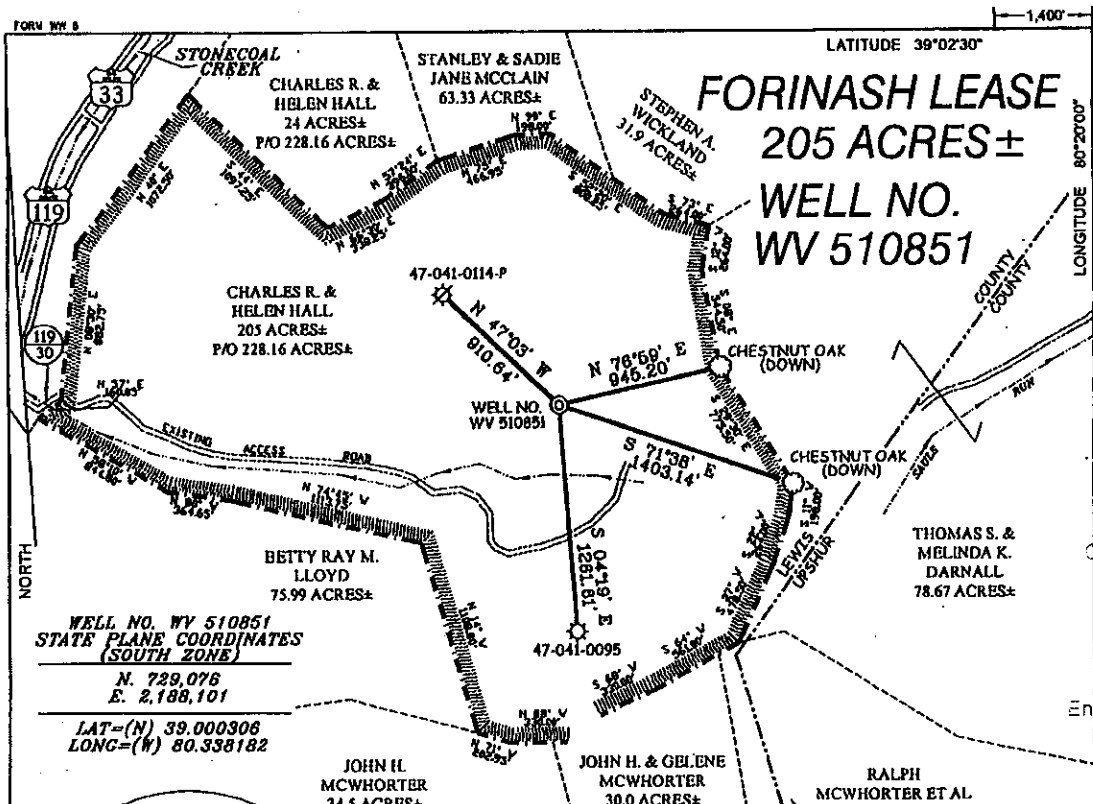
Well No.: 4704105266
UTM 83, 17, Meters
North: 4317025.54
East: 557326.3
Elev.: 413.67 M
Elev.: 1356.83 Ft

Secondary Pit

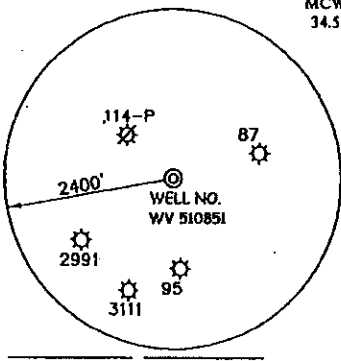
Primary Pit

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

11/17/2023

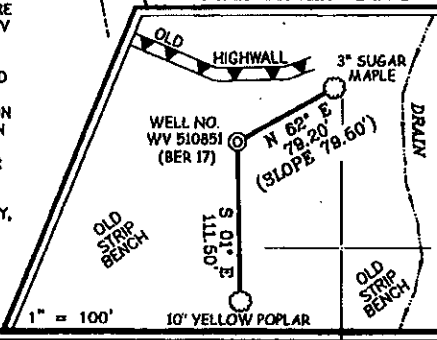


WELL NO. WV 510851
 STATE PLANE COORDINATES
 (SOUTH ZONE)
 N. 729,076
 E. 2,188,101
 LAT=(N) 39.000306
 LONG=(W) 80.338182



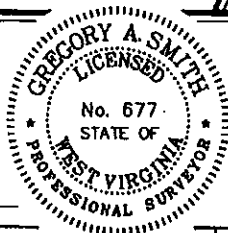
- NOTES ON SURVEY**
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
 2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 03/02/07.
 3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED RECORDED IN DEED BOOK 535 AT PAGE 318.
 4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LEWIS COUNTY IN JULY, 2006.
 5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 877
Gregory A. Smith



(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 03, 20 07
 OPERATORS WELL NO. WV 510851
 API WELL NO. 47-041-05266
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 6271P510851 (226 - 46)
 SCALE 1" = 800'
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

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

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

LOCATION: ELEVATION 1,348' WATERSHED TRIBUTARY OF STONECOAL CREEK
 DISTRICT SKIN CREEK COUNTY LEWIS QUADRANGLE BERLIN 7.5'
 SURFACE OWNER CHARLES R. & HELEN HALL ACREAGE 205± OF 228.16±
 ROYALTY OWNER ROSELLA SHEETS & JANET REYNOLDS LEASE ACREAGE 205±
 PROPOSED WORK: LEASE NO. 122133
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
 FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ELK
 ESTIMATED DEPTH 5,250'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT L. TODD TETRICK
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

RECEIVED
 Office of Oil and Gas
 DC 27 2023
 WV Department of Environmental Protection

11/17/2023

WW-7
8-30-06



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

API: 4704105266 WELL NO.: Hall Charles 510851

FARM NAME: Hall, Charles & Helen

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Lewis DISTRICT: Weston

QUADRANGLE: Berlin 7.5'

SURFACE OWNER: David A. Hall, Dana S. Hall, & Carol S. Stephens

ROYALTY OWNER: David Stanley Sheets, Patricia A. Gelineau, Janet R. Reynolds, Doris Thompson, Judy Yvonne Sheets

UTM GPS NORTHING: 4317025.54

UTM GPS EASTING: 557326.3 GPS ELEVATION: 1356.83'

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

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

Chris Veazey - Permitting Supervisor
Title

9/19/23
Date

11/17/2023



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Joe Manchin III, Governor
Randy C. Huffman, Cabinet Secretary
www.wvdep.org

November 19, 2008

FINAL INSPECTION REPORT

WELL PERMIT RELEASED

EQUITABLE PRODUCTION COMPANY,

The FINAL INSPECTION REPORT for the permit, API Well Number: 47-4105266, issued to EQUITABLE PRODUCTION COMPANY, and listed below has been received in this office, and reclamation requirements approved. The well designated by the permit number below has been released under reclamation and will remain under your bond.

RECEIVED
Office of Oil and Gas

OCT 27 2023

WV Department of
Environmental Protection

James Martin
Chief

Operator: EQUITABLE PRODUCTION COMPANY
Operator's Well No: FORINASH 510851
Farm Name: HALL, CHARLES & HELEN
API Well Number: 47-4105266
Date Issued: 05/10/2007
Date Released: 11/19/2008

Promoting a healthy environment.

11/17/2023

9

41-05266

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
WELL WORK PERMIT APPLICATION

1) Well Operator EQUITABLE PRODUCTION COMPANY
Operator ID 41 County 5 District 245 Quadrangle
2) Operator's Well Name Forinash 510851 3) Elevation 1,348'
4) Well Type: (a) Oil or Gas X
(b) If Gas: Production X Underground Storage
Deep Shallow X
5) Proposed Target Formation(s): Big Injun, 4th & 5th Sands, Benson
6) Proposed Total Depth: 4,720' Feet
7) Approximate fresh water strata depths: 205', 240'
8) Approximate salt water depths: 1409', 1447', 2041'
9) Approximate coal seam depths: 21'
10) Does land contain coal seams tributary to active mine? No
11) Describe proposed well work: Drill and complete a new well.

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

** Should a large show of water occur, 9 5/8" would be run and cemented to surface if needed.

12) CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE (For Drilling, Left in Well), INTERVALS, CEMENT (Fill-up (Cu.Ft.)). Rows include Conductor, Fresh Water, Coal, Fresh Water/Coal, Production, Tubing, and Liners.

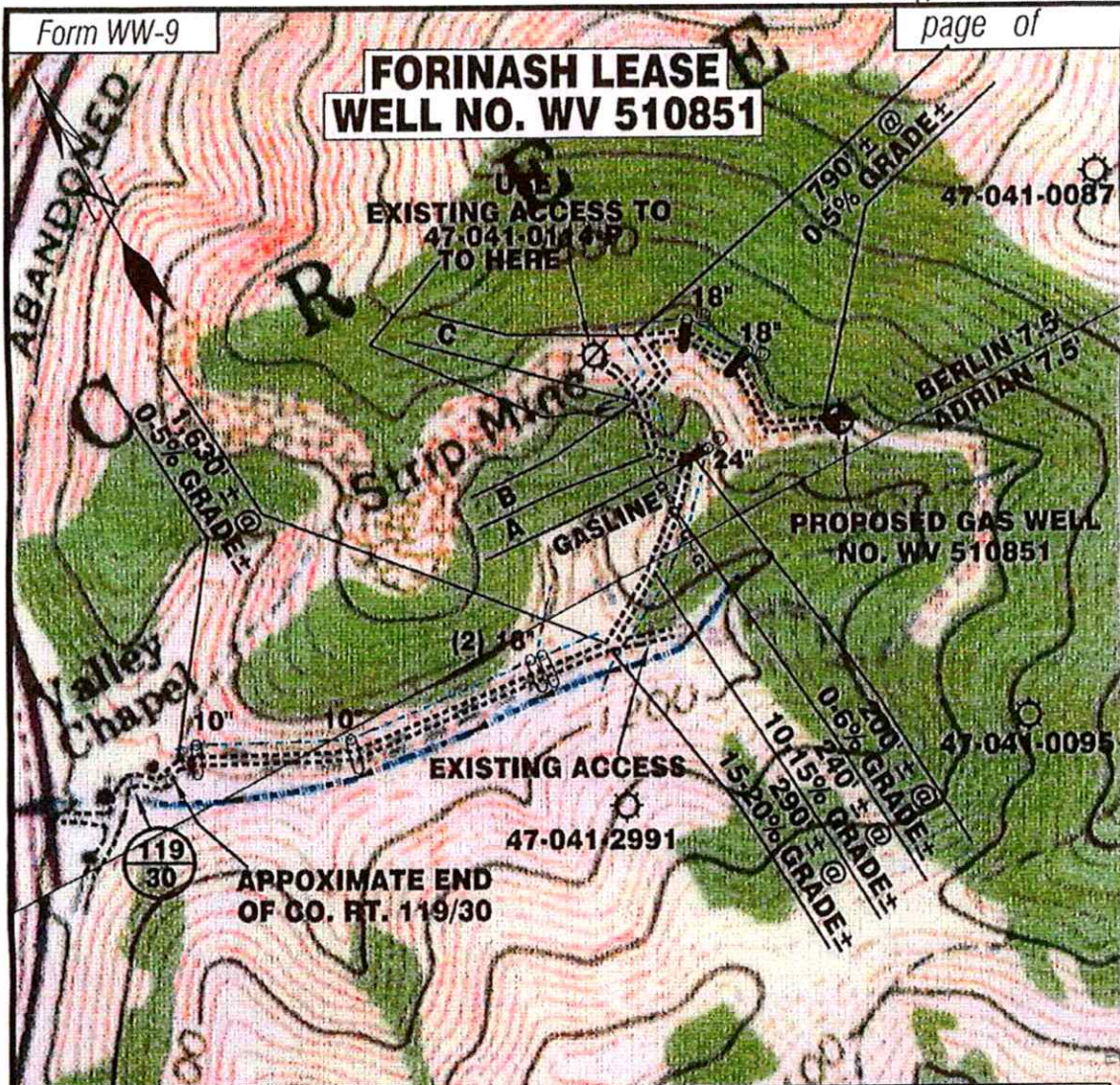
Packers: Kind
Size
Depths Set

RECEIVED
Office of Oil & Gas
Office of Chief
APR 30 2007
WV Department of
Environmental Protection

J.B.

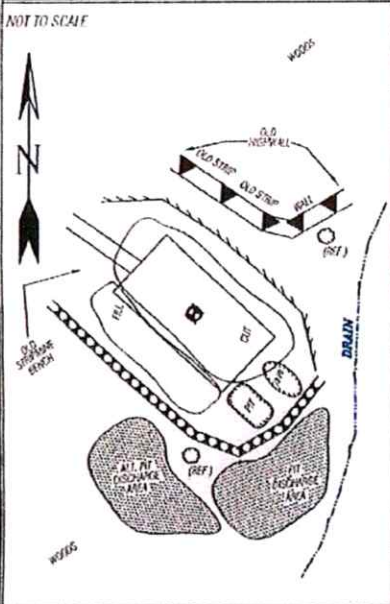
**

FORINASH LEASE WELL NO. WV 510851



RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

Detail Sketch for Proposed Well WV 510851



A	130' ± @	14-18% GRADE ±
B	190' ± @	18-22% GRADE ±
C	280' ± @	14-18% GRADE ±

SCALE: 1" = 500'



USGS BERLIN 7.5' QUADRANGLE & USGS ADRIAN 7.5' QUADRANGLE

PROPOSED CULVERT INVENTORY (FOR BID PURPOSES ONLY)

18" (MINIMUM) CULVERTS	2 CUL.
24" (MINIMUM) CULVERTS	1 CUL.

ADDITIONAL CULVERTS AND/OR OTHER DRAINAGE STRUCTURES & SEDIMENT CONTROL DEVICES MAY BE REQUIRED BY THE WV D.E.P. OIL & GAS INSPECTOR. OPERATOR IS RESPONSIBLE FOR COORDINATION WITH CONTRACTOR AND SLS REGARDING ANY CHANGES OR ADDITIONS THE STATE MAY REQUIRE.

Projected Earthen Disturbance Area

Well Location Site	1.00 ac. +/-
Access Road	1.61 ac. +/-
Approximate Total Disturbance	2.61 ac. +/-

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED. SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSSING LOCATIONS. PERMITS FOR THIS PROJECT ARE REQUIRED IN THE WV D.E.P. OIL & GAS DIVISION IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE WV D.O.T.

RECEIVED
Office of Oil and Gas
Office of Oil and Gas
APR 30 2007
WV Department of Environmental Protection

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE FLC PERMITS ON THE ACCESS ROAD/STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES)



SLS
SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV, 26351
PH: (304)462-3634 FAX: (304)462-5656 E-MAIL: sls@toll.net

DRAWN BY	FILE NO.	DATE	CADD FILE:
W.J.R.	6271	04/03/07	6271REC510051.DWG

11/17/2023

WW-4B

API No. 4704105266
Farm Name Hall, Charles & Helen
Well No. Hall Charles 510851

**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.

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

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 _____

11/17/2023

SURFACE OWNER WAIVER

Operator's Well
Number

Hall Charles 510851

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

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

Time Limits and methods for filing comments. The law requires these materials to be served on or 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,

Signature

Date

Name
By

Its

Date

Signature

Date
11/17/2023



DIVERSIFIED
energy

September 19, 2023

Kenneth Greynolds
613 Broad Run Rd.
Jane Lew, WV 26378

Mr. Greynolds

Please find enclosed a Permit Application to plug API# 47-041-05266, in Lewis County, WV.

If you have any questions, comments, or if you require additional information, please feel free to contact me at 304-590-7707.

Thank You,

Chris Veazey
Chris Veazey
Permitting Supervisor

Diversified Energy Company
414 Summers St.
Charleston, WV 25301
(304) 590-7707
Email: cveazey@dgoc.com

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

414 Summers Street
Charleston, WV 25301

11/17/2023

11/10/2016

PLUGGING PERMIT CHECKLIST

4704105266

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

RECEIVED
Office of Oil and Gas
OCT 27 2023
WV Department of
Environmental Protection

11/17/2023



Kennedy, James P <james.p.kennedy@wv.gov>

Plugging permits issued 4704100073 4704105266

1 message

Kennedy, James P <james.p.kennedy@wv.gov>

Thu, Nov 16, 2023 at 2:53 PM

To: Chris Veazey <CVeazey@dgoc.com>, Austin Sutler <asutler@nextlvenergy.com>, Phyllis Copley <pcopley@dgoc.com>, Kenneth L Greynolds <kenneth.l.greynolds@wv.gov>, jbreen@assessor.state.wv.us


To whom it may concern, plugging permits have been issued for 4704100073 4704105266.

James Kennedy

WVDEP OOG

2 attachments

 **4704100073.pdf**
2302K

 **4704105266.pdf**
2787K

11/17/2023