



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

Friday, June 7, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for BEAVER 135
47-081-01086-00-00

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: BEAVER 135
Farm Name: BEAVER COAL CO. LTD.
U.S. WELL NUMBER: 47-081-01086-00-00
Vertical Plugging
Date Issued: 6/7/2024

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 March 26, 2024
2) Operator's
Well No. Beaver Coal Company LTD 135
3) API Well No. 47-081-0186

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 2414.26 Watershed West Fork Winding Gulf
 District Slab Fork County Raleigh Quadrangle Crab Orchard 7.5
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Chuck Shafer
 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 Murdock Howard Name Next LVL Energy (Diversified Owned)
 Address PO Box 140 Address 104 Hellport Loop Rd
Oak Hill, WV 25901 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

APR 05 2024

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 Murdock Howard Date 4/3/24

Plugging Prognosis

API #: 4708101086

West Virginia, Raleigh County

Lat/Long: 37.68770747, -81.24970738

Nearest ER: Raleigh General Emergency Room - 1710 Harper Rd, Beckley, WV 25801

Casing Schedule

12-3/4" @ 13'

7" @ 919' (Cemented to surface w/ 195 ft³) ✓4-1/2" @ 3,720' (Cemented to 313' w/ 350 ft³) ✓

TD @ 3,720'

MH 4/3/24

7" CASING
WAS LIKELY
COAL STRING WHICH
WAS CTS.**Completion**

Stage 1: Maxton "A" Perforations: 2,091'-2,099' (8 shots)

Stage 2: Ravenciff Perforations: 1,519'-1,546' (16 shots). Frac plug @ 1,580'

Fresh Water: 178'

Salt Water: 2,950'

Gas shows: None Listed

Oil Shows: None Listed

Coal: None Listed

Elevation: 2,439'

JWM

1. Notify Inspector Roy Howard @ 681-990-2568, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. TIH w/ concave mill and dress off 4-1/2" csg.
4. RIH w/ cut lip shoe/mule shoe, overshot, and grapple on 4-1/2" csg to get on 4-1/2" csg in well.
5. RIH w/ mill and dress 2-3/8" tbg.
6. RIH w/ cut lip shoe/mule shoe, overshot, and grapple on 2-3/8" tbg. Fish out 2-3/8" tbg.
7. Check TD w/ wireline.
8. Run in to 1,580', kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel. Pump 161' Class L cement plug from 1,580' -1,419' (Ravenciff perforations) Tag TOC. Top off as needed.
9. TOOH w/ tbg to 1,419'. Pump 6% bentonite gel from 1,419' to 969'.
10. TOOH w/ tbg to 969'. Pump 100' Class L cement plug from 969' to 869' (7" csg shoe plug).
11. TOOH w/ tbg to 869'. Pump 6% bentonite gel from 869' to 228'.
12. Free point 4.5" csg. Cut and TOOH. Set 100' Class L cement plug across csg cut. 50' in/out of cut. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
13. If plug at 4.5" csg cut was not pumped to surface, TOOH w/ tbg to 228'. Pump 228' Class L cement plug from 228' to surface.
14. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

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WV Department of
Environmental Protection

06/07/2024

WR-35

18-Jun-97
API # 47- 81-01086

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

Well Operator's Report of Well Work

Farm name: BEAVER COAL CO. LTD. Operator Well No.: BEAVER #135

LOCATION: Elevation: 2,439.00 Quadrangle: CRAB ORCHARD

District: SLAB FORK County: RALEIGH
Latitude: 7560 Feet South of 37 Deg 42Min. 30 Sec.
Longitude 12060 Feet West of 81 Deg. 12 Min. 30 Sec.

Company: ENERGY SEARCH, INC.
280 FT. SANDERS, W. BLVD., STE. 200
KNOXVILLE, TN 37922-0000

Agent: CARRY S. RANSON

Inspector: RODNEY DILLON
Permit Issued: 06/19/37
Well work Commenced: 7/23/97
Well work Completed: 9/26/97
Verbal Plugging
Permission granted on: N/A
Rotary XX Cable RIG
Total Depth (feet) 3798'
Fresh water depths (ft) 178'

Salt water depths (ft) 2950'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): no record

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
12-3/4	13'	13'	N/A
7"	919'	919'	195
4-1/2	3720'	3720'	350'

OPEN FLOW DATA

Producing formation Ravencliff, Maxton "A" Pay zone depth (ft) see attach
Gas: Initial open flow 175 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow _____ MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 360 psig (surface pressure) after 120 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

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

For: Alize Mooney
ENERGY SEARCH, INC.
By: _____ Chief Operating Officer
Date: 4/17/98

06/07/2024

RAL 1086

4708101086P

State of West Virginia
Division of Environmental Protection

Well Operator's Report of Well Work

Beaver #135

API: 47-081-01086

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Completion:

Maxton "A"

2091' - 2099' (8 shots). Breakdown with 6 bbls. 15% HCL & ballout with 6 bbls. 15% HCL & 15 perf balls. 75Q Foam Frac; 12 BPM, 40,800# 20/40 sand; 137 bbls., 281,000 SCF N2; ATP 1965 psi, Max TP 2052 psi, ISIP 2000 psi, 10 min. SIP 1720 psi.

Ravencliff

1519' - 1522' (5 shots), 1529'-1531' (5 shots), 1538' & 1540' (3 shots); 1544' - 1546' (3 shots). Set Frac plug @ 1580'. Breakdown @ 2900 psi with 6 bbl. 15% HCL, ballout with 18 bbl. 15% HCL & 24 perf balls. 75Q Foam Frac; 60,900# 20/40 sand, 272 bbl. Total fluid, 20 BPM; ATP 2715 psi, Max TP 2846 psi, ISIP 2300 psi, 10 min. SIP 2010 psi.

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Find address or place

Underground Mines

Underground Mining



Surface Mining

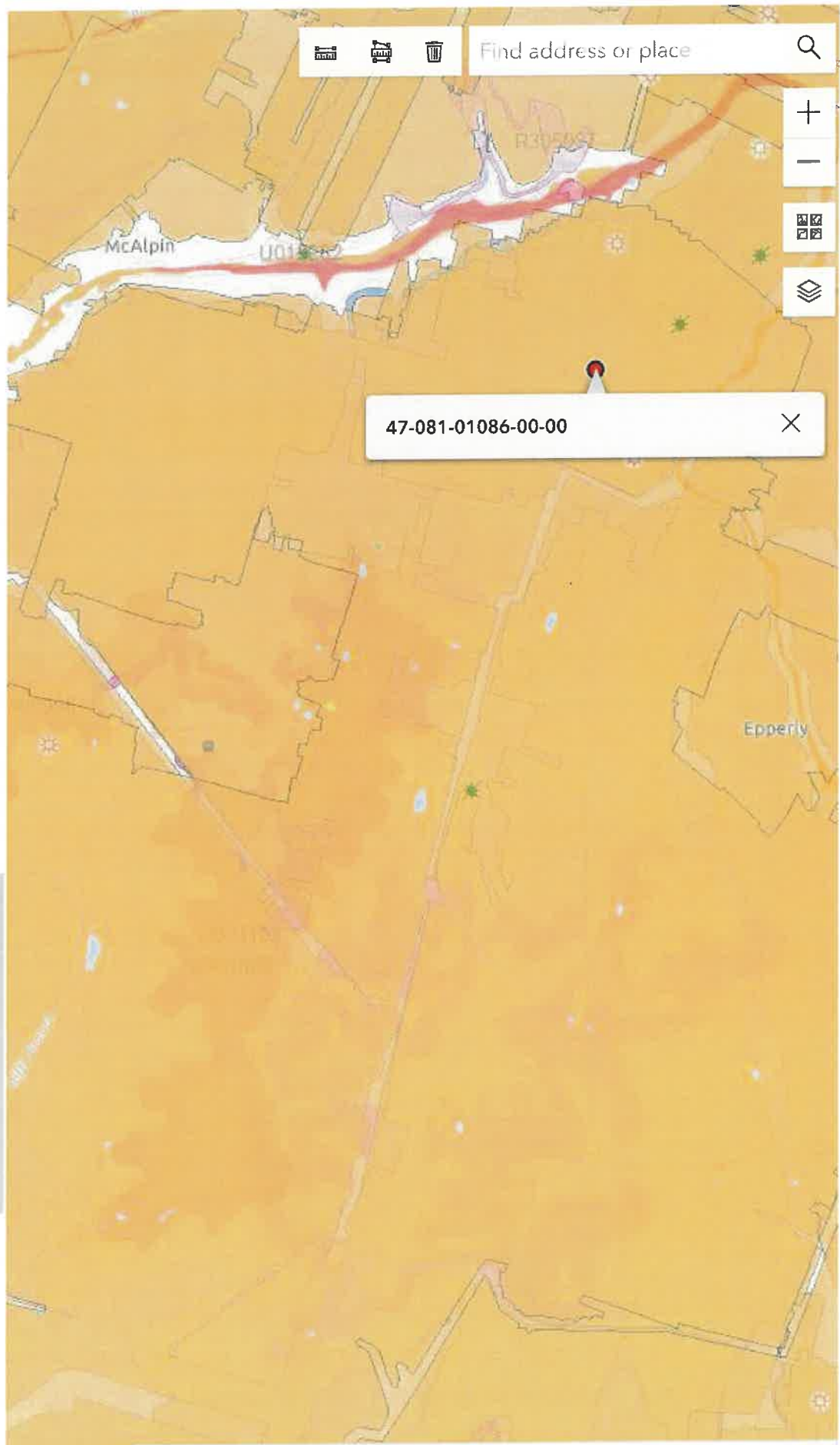
- Surface Mined
- Auger Mined
- Highwall Mined

Mining Permits

permit boundary- Inspe status

Inspection Status

- NS-Not Started
- AM-Active, Moving
- AQ-Active Quarry
- A1-Active, Moving Possible
- A2-Active, Reclaim only
- A3-Active, Reclaimed
- A4-Active, No coal removed
- IA-Approved inactive Status
- P1-Phase 1 release (backfill/grading)
- PV-Phase 1 release(60%reveget or MR-1
- P2-Phase 2 release, revegetated
- RC-Reclaimed, but Chemical treatment
- Completely Released
- Revoked
- None Available



47-081-01086-00-00

begin date end date rainfall total update

06/07/2024

4708101086P

X
6/7/2024

X
6/7/2024

06/07/2024



Select County: (081) Raleigh (Check All)

Enter Permit #: 01086

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 = 81 Permit = 01086 [Link to all digital records for well](#)

Report Time: Monday, April 29, 2024 2:43:24 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4708101086	Raleigh	1086	Slab Fork	Crab Orchard	Flattop	37.6877	-81.249704	477984	4171195

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
4708101086	9/26/1997	Original Loc	Completed	Beaver Coal Co Ltd		135	135		Beaver Coal Co Ltd	Energy Search, Inc.		
4708101086	-/-	Plugging	Permitted	Beaver Coal Limited Co			Beaver Coal Company LTD		Beaver Coal LTD	Diversified Production, LLC		

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	O_BEF	O_AFT
4708101086	9/26/1997	7/23/1997	2439	Ground Level	Rhodell	Big Lime	Big Lime	Development Well	Development Well	Gas	Rotary	Acid+Frac	3798		3798		0	175	0	0
4708101086	-/-	-/-	2414	Ground Level																

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
4708101086	9/26/1997	Water	Fresh Water	Vertical			178						0
4708101086	9/26/1997	Pay	Gas	Vertical	1519	Ravencroft/Avis Ss	1546	Ravencroft/Avis Ss	0	0			
4708101086	9/26/1997	Pay	Gas	Vertical	2091	Maxton	2099	Maxton	0	0			
4708101086	9/26/1997	Water	Salt Water	Vertical			2950						0

Production Gas Information: (Volumes in Mcf) * 2023 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708101086	Energy Search, Inc.	1998	15,621	1,956	1,670	1,501	1,482	1,499	1,546	1,428	1,363	766	931	741	738
4708101086	Energy Search, Inc.	1999	5,647	740	591	498	543	411	407	395	348	418	520	369	407
4708101086	Energy Search, Inc.	2001	4,029	397	379	428	551	411	234	218	319	274	198	262	358
4708101086	EOG Resources, Inc.	2002	3,148	343	382	343	276	275	384	187	211	193	206	155	193
4708101086	Energy Search, Inc.	2003	1,997	243	208	201	181	173	149	195	163	176	172	124	12
4708101086	Energy Search, Inc.	2004	311	76	235	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (WV), Inc.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (WV), Inc.	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Diversified Production, LLC	2022	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 * 2023 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708101086	Energy Search, Inc.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EOG Resources, Inc.	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Energy Search, Inc.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (WV), Inc.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (WV), Inc.	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Diversified Production, LLC	2022	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 * 2023 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708101086	EXCO Resources (PA), LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	EXCO Resources (PA), LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Diversified Production, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons) * 2023 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708101086	EXCO Resources (PA), LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Nytlis Exploration Co., LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4708101086	Diversified Production, LLC	2022	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
4708101086	Original Loc	Ravencroft/Avis Ss	Well Record	1519	Reasonable	0	Reasonable	2439	Ground Level
4708101086	Original Loc	Maxton	Well Record	2091	Reasonable	0	Reasonable	2439	Ground Level

Wireline (E-Log) Information:

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

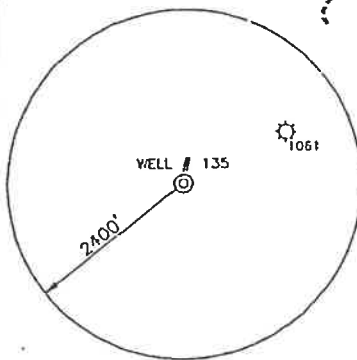
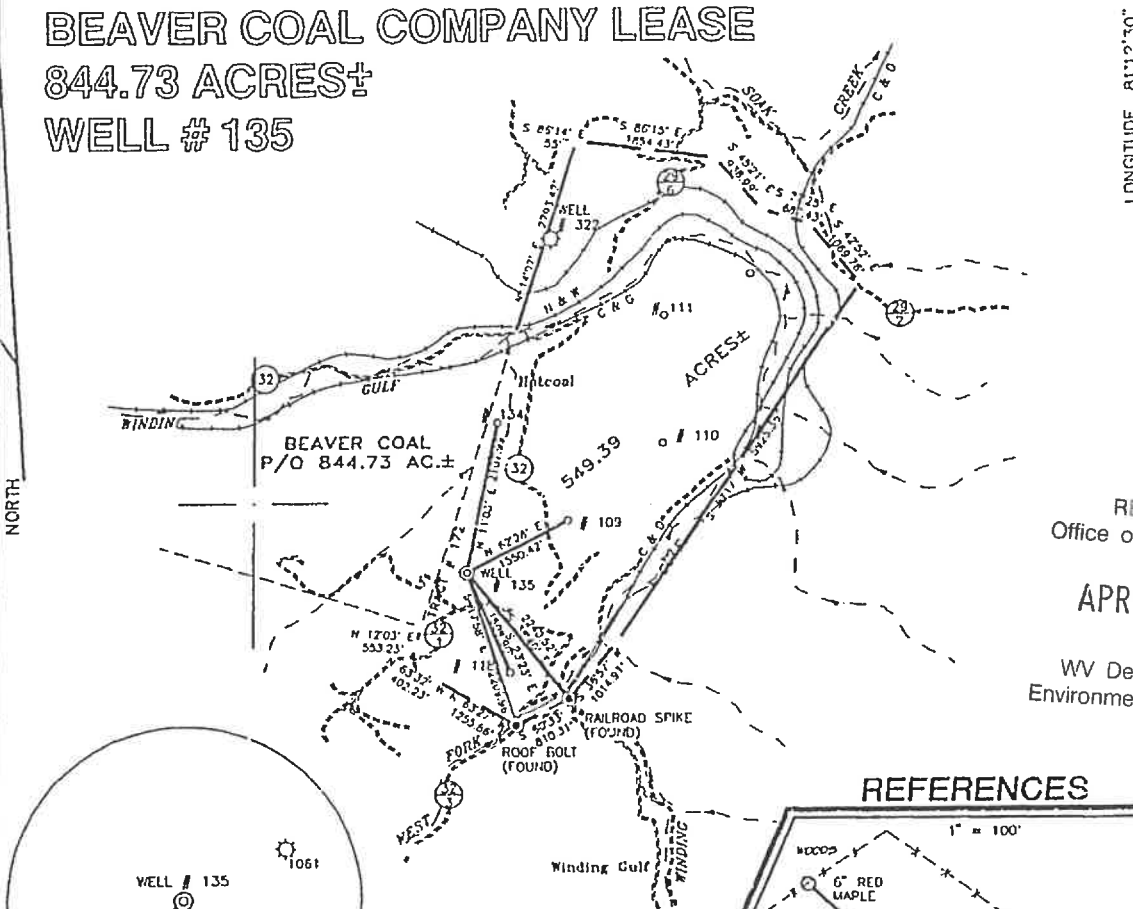
47081013 06P

FORM NO. 6

12,060'

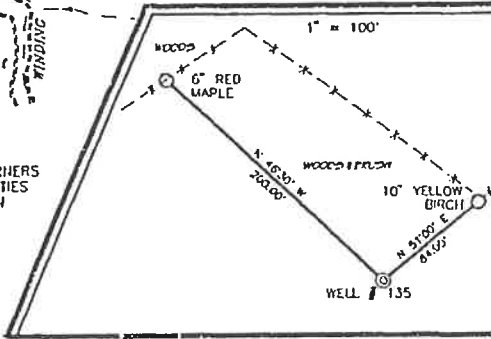
LATITUDE 37°42'30"

BEAVER COAL COMPANY LEASE 844.73 ACRES± WELL # 135



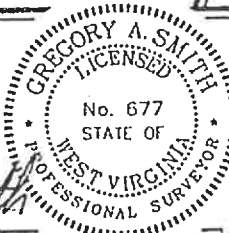
NOTE: TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 05/22/97.

REFERENCES



RECEIVED
Office of Oil and Gas
APR 05 2024
WV Department of
Environmental Protection

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 ENERGY.



P.S. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE M / Y 19 97
OPERATORS WELL NO. BEAVER # 135
API WELL NO. 47-081-01086
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3636P135 (62-56)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 2426' SCALE 1" = 2000'

WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

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

LOCATION :
ELEVATION 2439' WATERSHED WINDING GULF
DISTRICT SLAB FORK COUNTY RALEIGH QUADRANGLE CRAB ORCHARD 7.5

SURFACE OWNER BEAVER COAL COMPANY Ltd. ACREAGE 549.39 OF 844.73
ROYALTY OWNER BEAVER COAL COMPANY Ltd. LEASE ACREAGE 844.73

PROPOSED WORK :
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) BIG LIME & WEIR TARGET FORMATION BIG LIME & WEIR
 ESTIMATED DEPTH 3800'

WELL OPERATOR ENERGY SEARCH, Inc. DESIGNATED AGENT CARRY S. RANSON
ADDRESS 280 SANDERS W. Blvd. SUITE 200 ADDRESS 900 CORE ROAD
 KNOXVILLE, TENNESSEE 37922 PARKERSBURG, WV 26101

LONGITUDE 81°12'30" 0957.7 560
COUNTY NAME RAL
PERMIT 1086

06/07/2024

WW-4A
Revised 6-07

1) Date: 3/26/2024
2) Operator's Well Number Beaver Coal Company LTD 135

3) API Well No.: 47 - 081 - 01086

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>Beaver Coal Company</u>	Name <u>Not Currently Operated</u>
Address <u>354 Log Cabin Rd</u>	Address _____
<u>Beaver, WV 25813</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Beaver Coal Company</u>
_____	Address <u>354 Log Cabin Rd</u>
(c) Name _____	<u>Beaver, WV 25813</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Murdock Howard</u>	(c) Coal Lessee with Declaration <u>RECEIVED</u>
Address <u>PO Box 140</u>	<u>Office of Oil and Gas</u>
<u>Oak Hill, WV 25901</u>	<u>APR 05 2024</u>
Telephone <u>(681) 990-2568</u>	Name _____
	Address _____
	<u>WV Department of</u>
	<u>Environmental Protection</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: Chris Veazey
 Its: Director of Administration
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-590-7707



Subscribed and sworn before me this 27th day of March, 2024
Jeffrey Bush 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 depprivacyofficer@wv.gov.

4708101086P

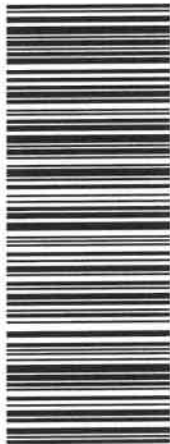
Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

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Office of Oil and Gas

APR 05 2024

WV Department of
Environmental Protection

USPS CERTIFIED MAIL™



9407 1362 0855 1669 5982 57



BEAVER COAL COMPANY
354 LOG CABIN RD
BEAVER WV 25813-6700

US POSTAGE AND FEES PAID
2024-03-27
25301
C40000004
Retail
4.0 OZFLAT



easyPost

0901000010711

06/07/2024

4708101086P

WW-4B

API No. 4708101086
Farm Name Beaver Coal
Well No. Beaver Coal Company LTD 135

**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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WV Department of
Environmental Protection

06/07/2024

SURFACE OWNER WAIVER

Operator's Well
Number

Beaver Coal Company LTD 135

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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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,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date

06/07/2024



DIVERSIFIED
energy

4708101086P

Date: 3/26/2024

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 4708101086 Well Name Beaver Coal Company LTD 135

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

Sincerely,

Chris Veazey
Permitting Supervisor
304-590-7707

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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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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.

06/07/2024

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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4708101086P

WW-9
(5/16)

API Number 47 - 081 - 01086
Operator's Well No. Beaver Coal Company LTD 135

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)West Fork Winding Gulf QuadrangleCrab Orchard 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

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WV Department of
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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 Permitting Supervisor

Subscribed and sworn before me this 27th day of March, 2024

Jeffrey Bush Notary Public
My commission expires September 28, 2025



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 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: Murdock Howard

Comments: Operator to cover with cement all oil & gas formations, including salt, chlorine, coals and fresh water.

Title: Supervisor Date: 4/3/24

Field Reviewed? Yes No

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

47-081-01086

Plugging Map

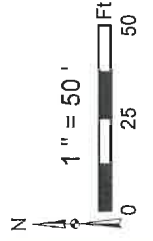
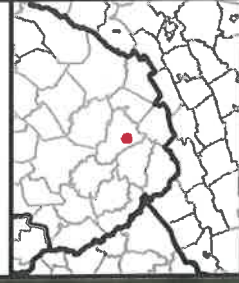
Legend

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

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Well No.: 4708101086
 UTM83-17 Meters
 North: 47984
 East: 4171194.95
 Elev.: 736.06 M
 Elev.: 2414.26 Ft



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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

47-081-01086

Plugging Map

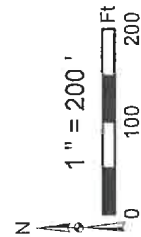
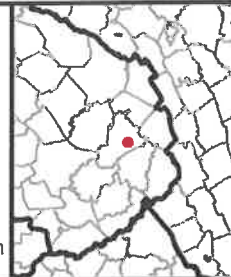
Legend

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

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APR 05 2024

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Well No.: 4708101086
UTM83-17, Meters
North: 477984
East: 4171194.95
Elev.: 738.06 M
Elev.: 2414.26 Ft



Copyright: © 2013 National Geographic Society, i-cubed

WW-7
8-30-06



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

API: 4708101086 WELL NO.: Beaver Coal Company LTD 135

FARM NAME: Beaver Coal

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Raleigh DISTRICT: Slab Fork

QUADRANGLE: Crab Orchard 7.5'

SURFACE OWNER: Beaver Coal Company

ROYALTY OWNER: Beaver Coal Company

UTM GPS NORTHING: ~~477984~~ 4171195

UTM GPS EASTING: ~~4171194.95~~ 477984 GPS ELEVATION: 2414.26

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS ____: Post Processed Differential ____
Real-Time Differential ____
Mapping Grade GPS X: Post Processed Differential X
Real-Time Differential ____

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4. Letter size copy of the topography map showing the well location.
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Chris Veazey
Signature

Chris Veazey - Director of Administration
Title

03/27/24
Date