



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

Tuesday, December 3, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

PILLAR ENERGY, LLC
1244 MARTINS BRANCH RD

CHARLESTON, WV 25312

Re: Permit approval for 2
47-039-03702-00-00

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: 2
Farm Name: SMITHERS
U.S. WELL NUMBER: 47-039-03702-00-00
Vertical Plugging
Date Issued: 12/3/2024

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.

4703903702P

WW-4B
Rev. 2/01

1) Date October 30, 2024
2) Operator's
Well No. M-5
3) API Well No. 47-039 - 03702

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

5) Location: Elevation 672' Watershed Loop Creek-Kanawha River
District Cabin Creek County Kanawha Quadrangle Montgomery Cedar Grove

6) Well Operator Pillar Energy LLC 7) Designated Agent Jeff Isner
Address 1244 Martins Branch Rd Address (same)
Charleston, WV 25312

8) Oil and Gas Inspector to be notified Name Terry Urban 9) Plugging Contractor Name To be determined
Address PO Box 1207 Address _____
Clendenin, WV 25045

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

*Will cover with Cement All Oil & Gas
Formation Including Salt, Evaporite, Coals &
Fresh H2O. Will pull all free pipes*

APPROVED
Office of Oil and Gas
NOV 04 2024
W.V. 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 [Signature] Date 11-4-24

12/06/2024

4703903702

Smithers M-5
API# 47-039-03702
Elevation: 672' GL
Latitude/Longitude: 38.215292 / -81.458539

M-5 Well Data

Casing: 10" Surface Csg @ 80' GL – Possibly pulled after setting next csg. 81'
 8-1/4" Intermediate Csg @ 991' GL – Pulled after setting next csg. 991'
 6-5/8" Production Csg @ 1210' GL 1410' 900'
 2-3/8" Production Tbg @ unknown depth - Likely on anchor packer.

TD: 1873' ✓

Latch Down: N/A

Perforations: Open Hole F/ 1210' – T/ 1873'

Coal: 30', 60', & 146' } COVER COAL W/ EXPANDING CEMENT.

Fresh Water Shows: None Reported

Salt Water Shows: 1135'

Gas/Oil Shows: 1550'

M-5 Procedure:

1. Notify State Inspector, Terry Urban – (304)-549-5915– Terry.W.Urban@wv.gov 24 hours prior to commencing operations.
2. Prep M-5 location.
3. MIRU service rig, steel pits, and other ancillary equipment.
4. Blow well down, and TOO H w/ production tubing and anchor packer.
5. RIH w/ work string to 1600'
6. Pump 15 BBL 6% gel.
7. Set 200' cement plug F/ 1600' T/ 1400'.
8. TOO H to 1000', WOC 4 hrs, RIH & tag plug, add cement if needed.
9. 6-5/8" & 8-1/4" Casings will be ripped and removed from well bore where free. The following cement plugs set will be set, with the order depending on where casing is free and able to be removed. 6% gel will be spotted between each plug.
 - a. 200' plug F / 1300' – T/ 1100'
 - b. 100' plug across from location of ripped 6-5/8" & 8-1/4" casings.
 - c. 200' elevation plug F/ 750' – T/ 550' (Elevation @ 672'). Csg ripped or perforated at ~675' if csg is still present.
 - d. 200' plug F / 200' – T/ Surface. Csg ripped or perforated at ~150' if csg is still present)
10. Erect a monument to WV DEP specifications (CSR 35-4-5.5 – sub "b").
11. Reclaim location and roads to WV DEP Specifications.

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Office of Oil and Gas
NOV 04 2024
WV Department of
Environmental Protection

Operator to Cover with Cement All
Oil & Gas Bearing Formations, Including Salt, Elevation,
Coals & Fresh Water

[Signature]
11-4-24

12/06/2024

4703903702P



WELLBORE SCHEMATIC

Well Information:

Well Name:	Smithers M-5	Company / Partnership:	Pillar Energy LLC
County / State:	Kanawha / WV	API Number:	47-039-03702
District / Quad:	Cabin Creek / Montgomery <i>CEDAR GROVE</i>	AFE Number:	
Target:	Weir	Cost Center:	
Lat:	38.215292	Pool Code:	
Long:	-81.458539	DTD / LTD:	1873'

Surveys	Hole Size	Shows	Depths (KB)	SPUD DATE: TD DATE:	Unknown Unknown	Casings	Cement
				Elevation: 672'			
		Coal @ 30', 60, & 146'				10" Surface Csg @ 80' (Possibly Pulled)	
		Salt Sands 580' - 988'				8-1/4" Intermediate Csg @ 991' (Possibly Pulled)	
		SW show @ 1135'				6-5/8" Production csg @ 1210' (no cementing records)	
		Gas Show @ 1550'					
				TD @ 1873'			

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Completion Information

Target: Weir 1670' - 1855'

Completion Date: Unknown

Top Perforation (ft):	Frac Type/Fluid:	Breakdown:	psi
Bottom Perforation (ft):	Foam Quality:	Pre-ISIP:	psi
No. of Shots:	BD Acid Volume:	MTP:	psi
Charge (gram):	Treatment Volume:	ATP:	psi
Perf Diameter:	Sand mesh size:	ISIP:	psi
Penetration:	Sand Volume:	5-min SIP:	psi
Phasing:	Ave. Treatment Rate:	10-min SIP:	psi

Remarks:

PARTICIPANTS:

DATE: MAR 26 1981

BUYER-SELLER CODE

WELL OPERATOR: SOUTHERN GAS COMPANY

017598

FIRST PURCHASER: CABOT CORPORATION

002733

OTHER:

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
801031-108-039: 3702
 Use Above File Number on all Communications
 Relating to Determination of this Well

Need well record notes

Quincy J. Huggins

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. PERC -121 Items not completed - Line No. 70C 80C
- 2. IV-1 Agent J.C. LIVING
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
- 7. IV-39 Annual Production 22 MM S
- 8. IV-40 90 day Production 92 Days off line:
- 9. IV-41 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-26. Other: Survey Logs Geological Charts
 Structure Map 1: 4000 Map Well Tabulations
 Gas Analysis
- (5) Data commenced: Date completed, pre 79 Suspended
- (5) Production Depth: 1670 - 1855
- (5) Production Formation: WEIR
- (5) Final Open Flow:
- (5) After Frac. H. P.
- (6) Other Gas Test:
- (7) Avg. Daily Gas from Annual Production: 712 / 366 = 1.9 Mcf, No Oil
- (8) Avg. Daily Gas from 90-day ending w/1-120 days: 160 / 92 = 1.7 Mcf, No Oil
- (8) Line Pressure: PSIG from Daily Report:
- (5) Oil Production: From Completed Report
- 28-17. Does lease inventory indicate enhanced recovery being done No
- 28-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? No
- Additional information Does computer program confirm?
- Was Determination Objected to By Whom?

RECORD 6

SI-TTURS WELL NO. 2

Conductor	15	
1st coal	30	
2 1/2' Gas in Sand	1700	
2d coal	60	
2 1/2' Gas in Sand	1738	1800
10" Pipe	81	
Coal	146	149
Salt Sand	580	908
8" Pipe	991	
Sand Line	931	1160
Red Rock	1150	1170
Soft all the way through		
Form line	1170	1234
Red Rock	1235	1250
Slate and Shells	1250	1315
Warten Sand	1315	1340
Little Elm	1340	1375
Break and Shells	1375	1400
Big line	1400	1808
6" Casing	1810	
Show of Gas	1850	
Big Inj	1808	1823
Slate and Shell	1823	1870
Neir Sand	1870	1855
Black slate	1855	1873
Total depth	1873	

Ira Lee Traugh
 H. O. Sunderman - Drillers

CONTRACTOR
 SOUTHERN GAS COMPANY
 CONTRACTING COMPANY



"Pipeline"

Select County: (039) Kanawha Select datatypes: (Check All)

Enter Permit #: 03702

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" Now](#)

WV Geological & Economic Survey:

Well: County = 39 Permit = 03702 [Link to all digital records for well](#)

Report Time: Monday, November 18, 2024 3:59:46 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4703903702	Kanawha	3702	Cabin Creek	Cedar Grove	Montgomery	38.215292	-81.458539	459859.4	4229802

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
4703903702	-/-		Original Loc	Completed	Smithers Heirs		M-5			Southeastern Gas Co.			

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	C
4703903702	-/-	-/-		672	Ground Level	Slaughter Creek	Weir	Weir	Development Well	Development Well	Gas	unknown	Nat/Open H	1873		1873		0	0

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
4703903702	-/-	Show	Gas	Vertical			1550	Big Lime	0	0			
4703903702	-/-	Pay	Gas	Vertical	1700	Weir	1800	Weir	0	0			

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
4703903702	Southeastern Gas Co.	1981	917	82	85	73	66	112	68	88	63	63	68	71	78
4703903702	Southeastern Gas Co.	1983	710	81	87	77	67	72	72	57	44	44	49	30	30
4703903702	Southeastern Gas Co.	1984	675	247	85	51	41	35	0	32	42	26	40	43	33
4703903702	Southeastern Gas Co.	1985	663	61	54	59	42	73	41	37	63	39	68	61	65
4703903702	Southeastern Gas Co.	1986	613	61	54	46	56	76	28	35	36	68	47	43	63
4703903702	Southeastern Gas Co.	1987	635	74	72	56	62	61	60	59	21	0	33	68	69
4703903702	Southeastern Gas Co.	1988	701	57	50	60	62	60	56	60	63	55	52	63	63
4703903702	Southeastern Gas Co.	1989	311	63	63	50	50	45	40	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1990	186	0	0	19	18	19	18	19	19	18	19	18	19
4703903702	Southeastern Gas Co.	1991	908	77	74	77	74	77	77	74	77	74	77	77	73
4703903702	Southeastern Gas Co.	1992	729	61	61	61	61	61	61	61	61	61	61	61	58
4703903702	Southeastern Gas Co.	1993	636	53	53	53	53	53	53	53	53	53	53	53	53
4703903702	Southeastern Gas Co.	1994	647	54	54	54	54	54	54	54	54	54	54	54	53
4703903702	Southeastern Gas Co.	1995	459	38	38	38	38	38	38	38	38	38	38	38	41
4703903702	Eastern States Oil & Gas, Inc.	1996	428	36	36	36	36	36	36	36	36	36	36	36	32
4703903702	Eastern States Oil & Gas, Inc.	1997	162	14	14	14	14	14	14	14	14	14	14	14	8
4703903702	Ashland Exploration Co.	1998	560	31	67	38	56	47	51	55	38	57	49	40	31
4703903702	Eastern States Oil & Gas, Inc.	1999	355	31	36	44	45	38	17	11	21	24	26	31	31
4703903702	Eastern States Oil & Gas, Inc.	2000	423	16	0	6	61	47	29	30	34	49	67	56	28
4703903702	Simcon Oil & Gas Corp.	2001	143	0	0	0	0	0	0	0	0	0	0	0	143
4703903702	Simcon Oil & Gas Corp.	2002	487	0	0	139	0	0	74	0	0	145	0	0	129
4703903702	Simcon Oil & Gas Corp.	2003	514	0	0	150	0	0	107	0	0	135	0	0	122
4703903702	Simcon Oil & Gas Corp.	2004	625	0	0	120	0	0	150	0	0	228	0	0	127
4703903702	Simcon Oil & Gas Corp.	2005	15	0	0	9	0	0	6	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2008	83	0	0	83	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2010	50	0	0	0	0	0	50	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2012	60	5	5	5	5	5	5	5	5	5	5	5	5
4703903702	Simcon Oil & Gas Corp.	2012	75	6	6	6	6	6	7	7	7	7	6	6	5
4703903702	Simcon Oil & Gas Corp.	2013	71	5	6	6	6	6	6	7	7	6	6	5	5
4703903702	Simcon Oil & Gas Corp.	2014	50	4	4	4	4	4	5	5	4	4	4	4	4
4703903702	Simcon Oil & Gas Corp.	2015	31	2	2	2	3	3	3	3	3	3	2	2	2
4703903702	Pillar Energy, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, 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
4703903702	Southeastern Gas Co.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1985	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1987	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1988	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Southeastern Gas Co.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Eastern States Oil & Gas, Inc.	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Eastern States Oil & Gas, Inc.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Ashland Exploration Co.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Eastern States Oil & Gas, Inc.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Eastern States Oil & Gas, Inc.	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, 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
4703903702	Simcon Oil & Gas Corp.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Simcon Oil & Gas Corp.	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2016	0												
4703903702	Pillar Energy, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, 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
4703903702	Pillar Energy, LLC	2016	0												
4703903702	Pillar Energy, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, LLC	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903702	Pillar Energy, 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
4703903702	Original Loc	unidentified coal	Well Record	30	Reasonable	4	Reasonable	672	Ground Level
4703903702	Original Loc	unidentified coal	Well Record	60	Reasonable	0	Qstnble Pick	672	Ground Level
4703903702	Original Loc	unidentified coal	Well Record	146	Reasonable	3	Reasonable	672	Ground Level
4703903702	Original Loc	Salt Sands (undliff)	Well Record	580	Reasonable	408	Reasonable	672	Ground Level
4703903702	Original Loc	Maxton	Well Record	1315	Reasonable	25	Reasonable	672	Ground Level
4703903702	Original Loc	Little Lime	Well Record	1340	Reasonable	35	Reasonable	672	Ground Level
4703903702	Original Loc	Big Lime	Well Record	1400	Reasonable	208	Reasonable	672	Ground Level
4703903702	Original Loc	Greenbrier Group	Well Record	1400	Reasonable	208	Reasonable	672	Ground Level
4703903702	Original Loc	Big Injun (Price&eq)	Well Record	1608	Reasonable	15	Reasonable	672	Ground Level
4703903702	Original Loc	Price Fm & equivs	Well Record	1608	Reasonable	0	Reasonable	672	Ground Level
4703903702	Original Loc	Welr	Well Record	1670	Reasonable	185	Reasonable	672	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

WW-4A
Revised 6-07

1) Date: 10/30/2024
2) Operator's Well Number
Smithers M-5
3) API Well No.: 47 - 039 - 03702

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>Mitchland LLC</u>	Name	<u>N/A</u>
Address	<u>PO Box 8615</u> <u>South Charleston, WV 25303</u>	Address	<u></u>
(b) Name	<u></u>	(b) Coal Owner(s) with Declaration	
Address	<u></u>	Name	<u></u>
		Address	<u></u>
(c) Name	<u></u>	Name	<u></u>
Address	<u></u>	Address	<u></u>
6) Inspector	<u>Terry Urban</u>	(c) Coal Lessee with Declaration	
Address	<u>PO Box 1207</u> <u>Clendenin, WV 25045</u>	Name	<u></u>
Telephone	<u>304-549-5915</u>	Address	<u></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.

RECEIVED
Office of Oil and Gas
NOV 04 2024
WV Department of Environmental Protection

Well Operator Pillar Energy LLC
 By: Jeff Isner
 Its: President & CEO
 Address 1244 Martins Branch Rd
Charleston, WV 25312
 Telephone 681-205-8599



Subscribed and sworn before me this 31 day of October 2024
Anita E Kirk Notary Public
My Commission Expires June 9, 2029

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.

SURFACE OWNER WAIVER

4703903702P

Operator's Well
Number

Smithers M-5

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

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

12/06/2024

Office of Oil and Gas
NOV 04 2024
Department of Environmental Protection

WW-4B

4703903702P

API No. 47-039-03702

Farm Name _____

Well No. Smithers M-5

**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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Office of Oil and Gas
NOV 04 2024
WV Department of
Environmental Protection

12/06/2024

4703903702P

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <input type="checkbox"/> Complete items 1, 2, and 3. <input type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Pat Blankenship</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery _____</p>
<p>1. Article Addressed to:</p> <p>Mitchland LLC PO Box 8615 South Charleston WV 25303</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
 9590 9402 7179 1284 0766 26	<p>3. Service Type</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input checked="" type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery
<p>2. Article Number (Transfer from service label)</p> <p>7021 0950 0000 9774 9705</p>	<p>Mail Restricted Delivery (M)</p>
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>	

Office of

NOV 21 2024

WV Department of Environmental Protection

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NOV 21 2024

WV Department of Environmental Protection

12/06/2024

WW-9
(5/16)

API Number 47 - 039 -03702
Operator's Well No. _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Pillar Energy LLC OP Code _____

Watershed (HUC 10) Loop Creek-Kanawha River Quadrangle Montgomery CEDAR GROVE

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 ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OFF SITE.

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- 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: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. _____

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Jeff Isner

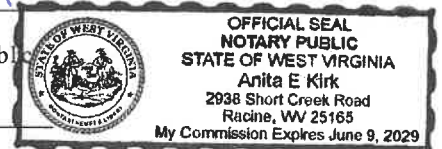
Company Official Title President & CEO

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OFFICE OF OIL AND GAS
NOV 04 2024
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Subscribed and sworn before me this 31 day of October, 2024

[Signature] Notary Public

My commission expires June 9, 2029



12/06/2024

Proposed Revegetation Treatment: Acres Disturbed 1/2 Prevegetation pH _____

Lime according to pH test _____ Tons/acre or to correct to pH 7.0

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay or Straw Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Contractors Mix

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: _____

Comments: _____

No Records as Per Pillar

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Office of Oil and Gas
NOV 04 2024
NY State
Environmental Conservation

Title: Thasped Oil & Gas

Date: 11-4-24

Field Reviewed? Yes No

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

Operator Name: Pillar Energy LLC

Watershed (HUC 10): Loop Creek-Kanawha River

Quad: Montgomery

CEDAR GROVE

Farm Name: _____

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Plugging of shallow well. All residual fluids will be captured in portable flowback tanks for proper disposal.

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

Plugging of shallow well. All residual fluids will be captured in portable flowback tanks for proper disposal.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Kanawha River - 500'

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NOV 04 2024
WV Department of
Environmental Protection

4. Summarize all activities at your facility that are already regulated for groundwater protection.

Empty rectangular box for summarizing activities.

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

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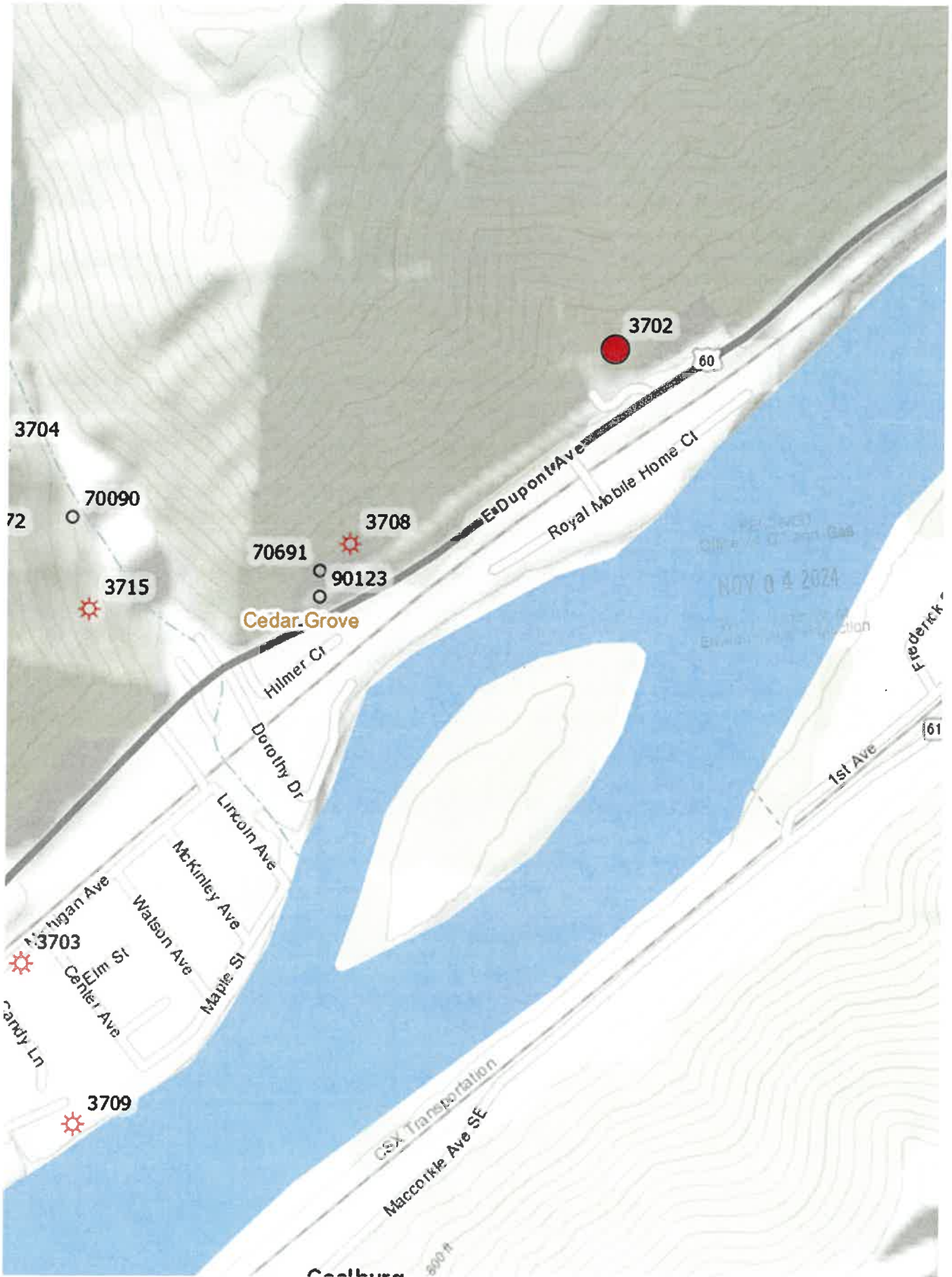
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Signature: _____

Date: _____

Smithers M-5 Location Map

4703903702P



12/06/2024

4703903702P

WW-7
8-30-06



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

API: 47-039-03702 WELL NO.: M-5

FARM NAME: Smithers

RESPONSIBLE PARTY NAME: _____

COUNTY: Kanawha DISTRICT: Cabin Creek

QUADRANGLE: Montgomery CEPAA GROVE

SURFACE OWNER: Mitchland LLC

ROYALTY OWNER: Leroy Rashid

UTM GPS NORTHING: 4229802

UTM GPS EASTING: 459859.4 GPS ELEVATION: 672

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:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS _____ : Post Processed Differential _____

Real-Time Differential _____

Mapping Grade GPS _____ : Post Processed Differential _____

Real-Time Differential _____

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.

[Signature]
Signature

CEO
Title

10-31-24
Date

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NOV 04 2024
Department of Environmental Protection

12/06/2024