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, April 18, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

CHESAPEAKE APPALACHIA, L.L.C.
6100 N. WESTERN AVE.

OKLAHOMA CITY, OK 73118

Re: Permit approval for 21477
47-023-00013-00-00

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: WEIMER, JOHN BRUCE, ETAL
U.S. WELL NUMBER: 47-023-00013-00-00
Vertical Plugging
Date Issued: 4/18/2024

04/19/2024

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.

WW-4B
Rev. 2/01

1) Date MAY 19, 2024
2) Operator's
Well No. 21477-PI
3) API Well No. 47- 23 - 00013

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 ____ or Underground storage ____) Deep ____/ Shallow____

5) Location: Elevation 2966 Watershed SOUTH FORK LUCINE CREEK
District UNION County GRANT Quadrangle BLACKBIRD KNOB

6) Well Operator CHESAPEAKE APPALACHIA LLC
Address PO BOX 18496
OKLAHOMA CITY, OK 73154-0496

7) Designated Agent ERIC HASKINS - MANAGER REG OPS
Address 14 CHESAPEAKE LANE
SAYRE, PA 18840

8) Oil and Gas Inspector to be notified
Name GAYNE J KNITOWSKI
Address 601 57TH STREET SE
CHARLESTON, WV 25304

9) Plugging Contractor
Name PLANTS AND GOODWIN
Address 360 HIGH STREET
BRADFORD, PA 16701

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

SEE ATTACHED

RECEIVED
Office of Oil and Gas
MAR 28 2024
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 Gayne Knitowski, Inspector Digitally signed by Gayne Knitowski, Inspector Date: 2024.03.20 12:05:44 -04'00' Date 3-20-2024

04/19/2024

WR-35

16-Nov-88
API # 47- 23-00013DD

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

023-0013-DD

Well Operator's Report of Well Work

Farm name: **WEIMER, JOHN BRUCE ETAL.** Operator Well No.: **21477**

LOCATION: Elevation: **2966.00** Quadrangle: **BLACKBIRD KNOB**

District: UNION County: **GRANT**
Latitude: **10420** Feet South of **39** Deg. 7 Min. 30 Sec.
Longitude **7960** Feet West of **79** Deg. 15 Min. 0 Sec.

Company: COLUMBIA NATURAL RESOURCE
P. O. BOX 1273
CHARLESTON, WV

Agent: JOSEPH E. CAMPBELL

Inspector: PHILLIP TRACY
Permit Issued: 11/23/88
Well work Commenced: 12-1-88
Well work Completed: 12-11-88
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 9164'
Fresh water depths (ft) 200'
Salt water depths (ft) 3700'
Is coal being mined in area (Y/N)? N
Coal Depths (ft):

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
3-1/2	9160	9160	50

RECEIVED
Office of Oil and Gas
NOV 23 2023
WV Department of Environmental Protection

OPEN FLOW DATA

Producing formation Corriganville LS Pay zone depth (ft) 8890
Gas: Initial open flow ---- MCF/d Oil: Initial open flow ---- Bbl
Final open flow 145 MCF/d Final open flow ---- Bbl
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 1450 psig (surface pressure) after 5 days Hours

Second producing formation ---- Pay zone depth (ft) ----
Gas: Initial open flow ---- MCF/d Oil: Initial open flow ---- Bbl
Final open flow ---- MCF/d Final open flow ---- Bbl
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: COLUMBIA NATURAL RESOURCES, INC.
By: Joseph E. Campbell
Date: 2-6-91

GRANT 0013 DD

04/19/2024

Well 21477

Perforated .36" select fire 12 holes from 8860 - 8885. Treated with 500 gals. FE acid, 100 bbls. 2% KCL water. Avg. 9.3 BPM @ 5000 psi.

Formation	
8960 - 9164	Corriganville LS
9164	T.D.

RECEIVED
Office of Oil and Gas
MAR 2 3 2011
WV Department of
Environmental Protection

04/19/2024

IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date August 13, 1986
Operator's
Well No. 21477-PI
Farm Weimer
API No. 47 - 023 - 0013

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

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

LOCATION: Elevation: 2966 Watershed South Fork Lunice Creek
District: Union County Grant Quadrangle Black Bird Knob

COMPANY Columbia Gas Transmission Corporation
ADDRESS P. O. Box 1273, Charleston, WV 25325
DESIGNATED AGENT Robert C. Weidner
ADDRESS P. O. Box 1273, Charleston, WV 25325
SURFACE OWNER Carl E. Weimer, etal
ADDRESS P. O. Box 7, Maysville, WV 26833
MINERAL RIGHTS OWNER John B. Weimer, etal
ADDRESS Rt. 1, Box 53, Maysville, WV 26833
OIL AND GAS INSPECTOR FOR THIS WORK Phillip Tracy ADDRESS Elkins, WV
PERMIT ISSUED 1-2-86
DRILLING COMMENCED 3-27-86
DRILLING COMPLETED 5-10-86
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	29	29	-
9 5/8	2360	2360	922
8 5/8			
7			
5 1/2	8724	8724	680
4 1/2			
3			
2	8890	8890	-
Liners used			

RECEIVED
Office of Oil and Gas
JUN 2 7 2024
Environmental Protection

GEOLOGICAL TARGET FORMATION Oriskany SS Depth 8209 feet
Depth of completed well 8960 feet Rotary X / Cable Tools ___
Water strata depth: Fresh 200 feet; Salt 3700 feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Oriskany Pay zone depth 8740 feet
Gas: Initial open flow 2020 Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 2500 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests - hours
Static rock pressure 2920 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation ___ Pay zone depth ___ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

(Continue on reverse)

04/19/2024

FORM IV-35
(REVERSE)

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

Open hole completion over Oriskany from 8726' - 8890'.

Spotted 2500 gallons 7-1/2% MCA. Flowed back. Pumped 2000 gallons 15% MCA.

Swabbed back.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Mauch Chunk - Soft Gray	Surface	150	Damp
Big Lime - Soft Gray	150	670	1" stream of fresh water @ 200'
Pocono - Sandy Shale	670	1580	
Hampshire - Soft Gray	1580	2790	
Foreknobs - Silty Sand	2790	4570	Hole damp @ 3700'
Scheer - Dark Gray Sandy Shale	4570	6780	
Brallier - Shale	6780	7670	
Harrell - Shale	7670	7970	
Upper Marcellus - Soft Black Shale	7970	8350	
Purcell - Limestone	8350	8530	
Lower Marcellus - Shale	8530	8590	
Needmore - Shale	8590	8695	
Oriskany - Hard Sandstone	8695	8890	Gas @ 8837' 202 MMCFD
Helderberg - Hard Limestone	8890	8960 TD	T.D.

RECEIVED
Office of Oil and Gas
FEB 27 2023

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation
Well Operator

By: [signature]

Date: 8-13-86

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

04/19/2024

Classification: DCL-Internal

J B WEIMER ETAL 2514

CHESAPEAKE ENERGY

Plugging Proposal

Plug Details													
#	Type	Description	Set ID	Plug Height (ft)	Bottom of Plug (ftKB)	Top of Plug (ftKB)	Cement Type	Cement Yield	Cement Density (ppg)	Excess Cement (%)	Cement Volume (bbl)	Cement Volume (sacks)	Tubing Displacement Volume (bbls)
1	CIBP	CIBP Perf Isolation	2.992	2	8,810	8,808	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Cement	Cement Perf Isolation	2.992	200	8,808	8,608	Class A	1.28	15.5	0	1.7	7.6	33.1
3	Cement	Prod Csg Stub Plug (Inside Prod Csg)	2.992	50	8,550	8,500	Class A	1.28	15.5	0	0.4	1.9	32.1
3 (con.)	Cement	Prod Csg Stub Plug (Inside Int. Csg)	4.892	150	8,500	8,350	Class A	1.28	15.5	20	4.2	18.4	0.0
4	CIBP	CIBP	4.892	2	8,300	8,298	N/A	N/A	N/A	N/A	N/A	N/A	0.0
5	Cement	Inter Csg Stub Plug (Inside Csg)	4.892	50	7,050	7,000	Class A	1.28	15.5	20	1.4	6.1	26.3
5 (con.)	Cement	Inter Csg Stub Plug (Open Hole)	6.25	150	7,000	6,850	Class A	1.28	15.5	50	8.5	37.5	26.1
6	Cement	Elevation Plug (Open Hole)	6.25	100	3,016	2,916	Class A	1.28	15.5	50	5.7	25.0	0.0
7	Cement	Surface Csg Shoe Plug (Open Hole)	6.25	100	2,460	2,360	Class A	1.28	15.5	50	5.7	25.0	9.5
7 (con.)	Cement	Surface Csg Shoe Plug (Inside csg)	8.921	100	2,360	2,260	Class A	1.28	15.5	20	9.3	40.7	9.1
8	Cement	Surface Plug	8.921	100	100	0	Class A	1.28	15.5	0	7.7	33.9	0.4

RECEIVED
Office of Oil and Gas
MAR 29 2024
WV Department of
Environmental Protection

04/19/2024

Classification: DCL-Internal

J B WEIMER ETAL 2514

CHESAPEAKE ENERGY

Spacer Details								
#	Fluid Type	Description	Set ID	Spacer Height	Spacer Density (ppg)	Spacer Viscosity (cp)	Excess Spacer (%)	Spacer Volume (bbls)
1	Gel	Perf Isolation to Prod Csg Stub Plug	2.992	58	9	-	5	0.5
2	Gel	CIBD to Inter Csg Stub Plug	4.892	1,248	9	-	10	31.9
3	Gel	Inter Csg Stub Plug to Elevation Plug	6.25	3,834	9	-	40	203.7
4	Gel	Elevation Plug to Surface Csg Shoe	6.25	456	9	-	40	24.2
5	Gel	Surface Csg Shoe Plug to Surface Plug	8.921	2,160	9	-	5	175.3

Estimated Casing Cuts	
String	Est. Cut Depth (ftKB)
Intermediate	7000
Production	8,500

RECEIVED
Office of Oil and Gas

MAR 29 2024

WV Department of
Environmental Protection

04/19/2024

Classification: DCL-Internal

J B WEIMER ETAL 2514

CHESAPEAKE ENERGY

Well Information

Surface Location	
County/State	GRANT, WV
Township	UNION
Latitude*	0
Longitude*	0

*NAD 83

CHK Contacts			
Title	Name	Office	Mobile
Production Superin.	Nick Krut	-	570-886-0256
Completions Fore.	Lucas Welch	-	570-423-4236
Production Manager	John Van Gels	405-766-8012	636-448-1104
Production Supervisor	Keeley Bergman	405-766-8438	918-991-5520
Production Engineer	Jordan Lucas	-	740-629-2091
Regulatory Manager	Eric Haskins	-	607-242-3839

Driving Directions
0

RECEIVED
Office of Oil and Gas
MAR 29 2024
WV Department of
Environmental Protection

General Well Data							
KB	16	Top Perf	8,860	Perf Interval Length	25	PBTD	0
KOP	0	Bottom Perf	8,885	TD	9,160	Elevation	2,966

Casing Details										
String	Grade	OD	ID	Weight	Drift	Top (ftKB)	Bottom (ftKB)	Capacity (bbl/ft)	Tot. Cap. (bbl)	Hole Size
Conductor	H-40	13.375	12.715	48		-	29	0.157054	4.554561	15
Surface	J-55	9.625	8.921	36	8.765	-	2,360	0.077311	182.4546	12.25
Intermediate	J-55	5.5	4.892	17	4.767	-	8,724	0.023248	202.817	6.25
Production	P-110	3.5	2.992	9.2		-	9,160	0.008696	79.65893	4.5
Production										
DV Tool										

Tubing Details										
Component	Grade	Weight	OD	ID	Length (ft)	Top (ftKB)	Bottom (ftKB)	Burst 80% (PSI)	Capacity (bbl/ft)	Tot. Cap. (bbl)
Tubing BHA	L-80	4.7	2.375	1.995	8,860	16	8,876	8,960	0.003866	34

04/19/2024

J B WEIMER ETAL 2514

CHESAPEAKE ENERGY

Plug & Abandon

County/State: GRANT, WV Township: UNION
Latitude: Longitude: (NAD 83)
API: 4702300013

Summary

The J B WEIMER ETAL 2514 will be plugged and abandoned. The well is located in GRANT County, WV and was spud on 03-27-1986 by Columbia Gas Transmission Corp., targeting the 0 as a VERTICAL well. The last know production date for this well was 12-15-2012 where it produced 2 MCF, 0 BO, and 0 BW.

Vertical well targeting Oriskany. Open hole completion from 8,726 to 8,890'. Later, well was deepened to 9,160 and 3 1/2" was set through the Oriskany. Perfed from 8,860-8,885. Casing grades and weights unkown, all values are assumed. No tubing in well, tubing shown is workstring to be used for P&A.

Guideline

Step	Operation
	The content of this guideline are recommendations based on expected conditions, current equipment, and existing design. Should actual conditions vary from expected, discuss with your supervisor and all necessary personnel on how to proceed. Pre-Job Safety Meeting a. Safety is the highest priority. b. 2 active barriers must be maintained at all times in accordance with OGB-CHK-STD-001 Barrier Standard. c. Ensure gas monitoring equipment is being utilized on location. d. Remind all personnel that everyone has Stop Work Authority. e. Before each shift/day or new scope of work: · Hold well-site safety meetings covering the scope of work with all personnel on location. · Review guideline and discuss critical parameters (pressures, volumes, contingency plans, etc.). · Verify that all personnel understand and are prepared for the operation. · Review emergency action plans for the operation. Glossary: QHB = Qualified Hydrostatic Barrier, BPV = Back Pressure Valve, TIW = Full Open Safety Valve (Equal ID to Work String), TWC = Two Way Check
1	Prior to rig arriving on site:
	a. Make sure all casing valves are readily accessible and remove water from cellar. b. Perform 72-hour pressure build up test on all annuli. c. Perform negative pressure test on master valve(s) in accordance with APP Master Valve Operational Guideline - PROD-APP-002. c. Make sure A, B, and C section flanges are properly identified. d. Verify regulatory permit and approval to plug and abandon. e. Notify WVDEP, BLM, municipality and surface landowner 1 week prior to commencing operations.

RECEIVED
Office of Oil and Gas
MAR 29 2024
WV Department of
Environmental Protection

2	RU Containment.
3	MIRU WOR, pump, and surface equipment.
4	Pump FW until a Qualified Hydrostatic Barrier (QHB) is established. Ensure pump is rigged up and ready to pump kill weight fluid for duration of job.
	a. Contact supervisor and OKC engineer if higher weight kill fluid is required. · Occurs when pumped FW volume equals or exceeds casing + tubing (if applicable) volume to top perf depth and well pressure exceeds 0 psi and/or well does not pass a flow check.
5	SKIP TO STEP 11 IF WELL DOES NOT HAVE TUBING - Contact supervisor and OKC engineer if well does not have a tubing hanger. NU lubricator to closed master valve and pressure test.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = Master Valve · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Master Valve
6	Bleed off test pressure, open master valve, and install BPV in tubing hanger. Contact engineer and prepare to set pump through plug in tubing with SL, if BPV cannot be installed in hanger.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = Lubricator · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Tubing Hanger
7	ND lubricator, ND wellhead, NU 7.0625" master valve and NU double 7.0625" BOPs (Top to Bottom: 2.375" Pipe Ram and Blind Ram). Stab landing joint in tubing hanger. Close pipe ram and pressure test stack against tubing hanger in accordance with CHK Workover and Completions BOP Manual (outlined in section 2.6). LD landing joint, close master valve and blind ram. Pressure test blind ram against master valve in accordance with CHK Workover and Completions BOP Manual (outlined in section 2.6).
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = BPV · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Tubing Hanger
8	NU lubricator and pressure test against master valve. Bleed off test pressure, open master valve and pull BPV.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = BPV (NU), 2nd Barrier = Lubricator (Pull BPV) · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Tubing Hanger
9	Close Blind Ram and ND lubricator
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = Blind Ram · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Tubing Hanger
10	MU lifting sub into tubing hanger. Unscrew tubing lockdown pins and LD tubing hanger. POOH with tubing while standing back.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Ram
11	SKIP TO THIS STEP IF WELL DID NOT HAVE TUBING - Close master valve. NU WL packoff and pressure test against master valve. RU WL.
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Master Valve · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = Master Valve
12	Plug #1 (CIBP Perf Isolation) - TIH with WL and set CIBP as specified under Plug Details table in accordance with Plug 1. Use a CCL to ensure the CIBP is not set in a collar. TOOH with WL. Pressure test CIBP to 1,500 psi or 80% of casing burst pressure accounting for hydrostatic to CIBP depth, which ever is less.
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = WL Packoff · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = WL Packoff

RECEIVED
Office of Oil and Gas
MAR 2 9 2024

04/19/2024

13	ND WL packoff. RD and release WL.
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
14	ND double 7.0625" BOPs (if applicable), master valve, and necessary wellhead equipment to expose casing slips. Establish hot work permit and tac weld casing slips to casing. Ensure thorough LEL monitoring is in place, fire extinguishers are near wellhead, and fire watch is designated as outlined by hot work permit.
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
15	NU double 11" BOPs (Top to Bottom: 2.375" Pipe Ram and Blind Ram) and 11" annular BOP. Test each ram against the CIBP in accordance with CHK Workover and Completions BOP Manual (outlined in section 2.6).
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
16	Plug #2 (Cement Perf Isolation) - TIH with work string to bottom depth of Plug 2 as specified under the Plug Details table. Pump balanced cement plug in accordance with Plug 2. Displace tubing with volume specified on Plug Details table. POOH with WS. WOC 8 hours.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = TIW · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = Pipe Rams
17	NU WL packoff. RU WL.
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = Cement Plug · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
18	RIH with CBL, POOH with WL and discuss results with key stakeholders.
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = Cement Plug, 4th Barrier = WL Packoff (untested) · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = WL Packoff (untested)
19	Pressure test WL Packoff against cement plug to 500 psi. Ok testing against cement due to CIBP below. RIH with jet cutter and cut csg at TOC as determined by CBL. POOH with WL.
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = WL Packoff · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = WL Packoff
20	Close blind ram. RD WL. Verify good cut before releasing WL by attempting to establish circulation. Do not exceed a 0.8 psi/ft gradient when establishing circulation against open hole accounting for hydrostatic pressure. Example: casing cut at 5,000' with 9 ppg fluid in well --> Max pressure at cut = 5,000' x 0.8 psi/ft = 4,000 psi. Hydrostatic pressure = 0.052 x 9 ppg x 5,000' = 2,340 psi. Max surface circulating pressure = 1,660 psi.
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Blind Ram · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = Blind Ram
21	NU casing jacks (if applicable), MU casing spear, and open blind ram. Spear casing, LD slips and spear.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Blind Ram (Csg Jack NU), 2nd Barrier = Pipe Ram (Spear) · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips (Csg Jack NU), 2nd Barrier = Pipe Ram (Spear)

RECEIVED
Office of Oil and Gas
MAR 26 2024
Environmental Section

04/19/2024

22	POOH with production casing.
	a. Flow Paths: · 3.5 Casing – 1st Barrier = QHB, 2nd Barrier = Swage Nipple w/ Ball Valve · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Annular
23	Plug #3 (Prod Csg Stub Plug) - TIH with work string to bottom depth of Plug 3 as specified under the Plug Details table. Pump Spacer 1 as detailed under the Spacer Details table. Pump balanced cement plug in accordance with Plug 3. Displace tubing with volume specified on Plug Details table. POOH 1,500' above estimated TOC. Close pipe ram. WOC 8 hours.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Rams
24	Plug #4 (CIBD for BOP Testing) - Open Blind ram. TIH with WL and set CIBP as specified under Plug Details table in accordance with Plug 4. Use a CCL to ensure the CIBP is not set in a collar. TOOH with WL
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Cement Plug · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = csg Head/Slips
26	Close master valve. ND WL packoff. RD WL. Pressure test CIBP to 1,500 psi or 80% of casing burst pressure accounting for hydrostatic to CIBP depth, which ever is less. Release WL.
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Cement Plug, 3rd Barrier = Master Valve · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = Master Valve
27	ND double 11" BOPs, 11" annular, and necessary wellhead equipment to expose casing slips. Establish hot work permit and tac weld casing slips to casing. Ensure thorough LEL monitoring is in place, fire extinguishers are near wellhead, and fire watch is designated as outlined by hot work permit.
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Cement Plug · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
28	NU double 11" BOPs (Top to Bottom: 2.375" Pipe Ram and Blind Ram) and 11" annular BOP. Test each ram against the CIBP in accordance with CHK Workover and Completions BOP Manual (outlined in section 2.6). Do not exceed a 1,500 psi test pressure to ensure the cement plug below the CIBP has minimal presssure exposure should the CIBP slip/fail.
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Cement Plug · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
29	NU WL packoff and BOP ram. RU WL.
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Cement Plug, 3rd Barrier = Blind Ram · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = Blind Ram
30	Open blind ram. RIH with WL, tag TOC, and run CBL. Discuss results with stakeholders. RIH with jet cutter and cut csg at TOC as determined by CBL. POOH with WL.
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = WL Packoff, 3rd Barrier = WL BOP · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = WL Packoff, 3rd Barrier = WL BOP
31	Close blind ram. RD WL. Verify good cut before releasing WL by attempting to establish circulation. Do not exceed a 0.8 psi/ft gradient when establishing circulation against open hole accounting for hydrostatic pressure. Example: casing cut at 5,000' with 9 ppg fluid in well --> Max pressure at cut = 5,000' x 0.8 psi/ft = 4,000 psi. Hydrostatic pressure = 0.052 x 9 ppg x 5,000' = 2,340 psi. Max surface circulating pressure = 1,660 psi.
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Blind Ram · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = Blind Ram
32	NU casing jacks (if applicable), MU casing spear, and open blind ram. Spear casing, LD slips and spear.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Blind Ram (Csg Jack NU), 2nd Barrier = Pipe Ram (Spear) · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips (Csg Jack NU), 2nd Barrier = Pipe Ram (Spear)
33	POOH with intermediate casing.
	a. Flow Paths:

RECEIVED
Office of Oil and Gas
MAR 25 2024
WV Department of Environmental Protection

	· 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = 5.5 Swage Nipple w/ Ball Valve · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Annular
35	Plug #5 (Inter Csg Stub Plug) - TIH with work string to bottom depth of Plug 5 as specifed under the Plug Details table. Pump Spacer 2 as detailed under the Spacer Details table. Pump balanced cement plug in accordance with Plug 5. Displace tubing with volume specified on Plug Details table. POOH. Close blind ram. WOC 8 hours.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Ram
36	Plug #6 (Elevation) - TIH with work string to bottom depth of Plug 6 as specifed under the Plug Details table. Pump Spacer 3 as detailed under the Spacer Details table. Pump balanced cement plug in accordance with Plug 6. Displace tubing with volume specified on Plug Details table. POOH. Close blind ram. WOC 8 hours.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Ram
37	Plug #7 (Surface Csg Shoe Plug) - TIH with work string and tag TOC. PU to bottom depth of Plug 7 as specified under the Plug Details table. Pump Spacer 4 as detailed under the Spacer Details table. Pump balanced cement plug in accordance with Plug 7. Displace tubing with volume specified on Plug Details table. PU a minimum of 500' above estimated TOC. Close pipe ram and WOC 8 hrs.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Rams
38	Plug #8 (Surface Plug) - TIH with work string and tag TOC. PU to bottom depth of Plug 8 as specified under the Plug Details table. Pump Spacer 5 as detailed under the Spacer Details table. Pump balanced cement plug in accordance with Plug 8. Displace tubing with volume specified on Plug Details table. POOH. Close blind ram. WOC 8 hours.
	a. Flow Paths: · 2.375 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW · 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Ram
39	RDMO.
40	Monitor well for 24 hrs minimum.
41	Establish hot work permit. Perform LEL assessment of well head and ensure LEL monitoring remains in place. Visually check wellbore and cellar for signs of bubbling. Contact supervisor and OKC engineer if LELs or bubbling are present. Place fire extinguishers near wellhead and ensure fire watch is designated as outlined by hot work permit. Cut casing and weld abandonment cap with monument as specified by WVDEP.

Gayne Knitowski,
Inspector

Digitally signed by Gayne Knitowski, Inspector
Date: 2024.03.20 12:04:42 -04'00'

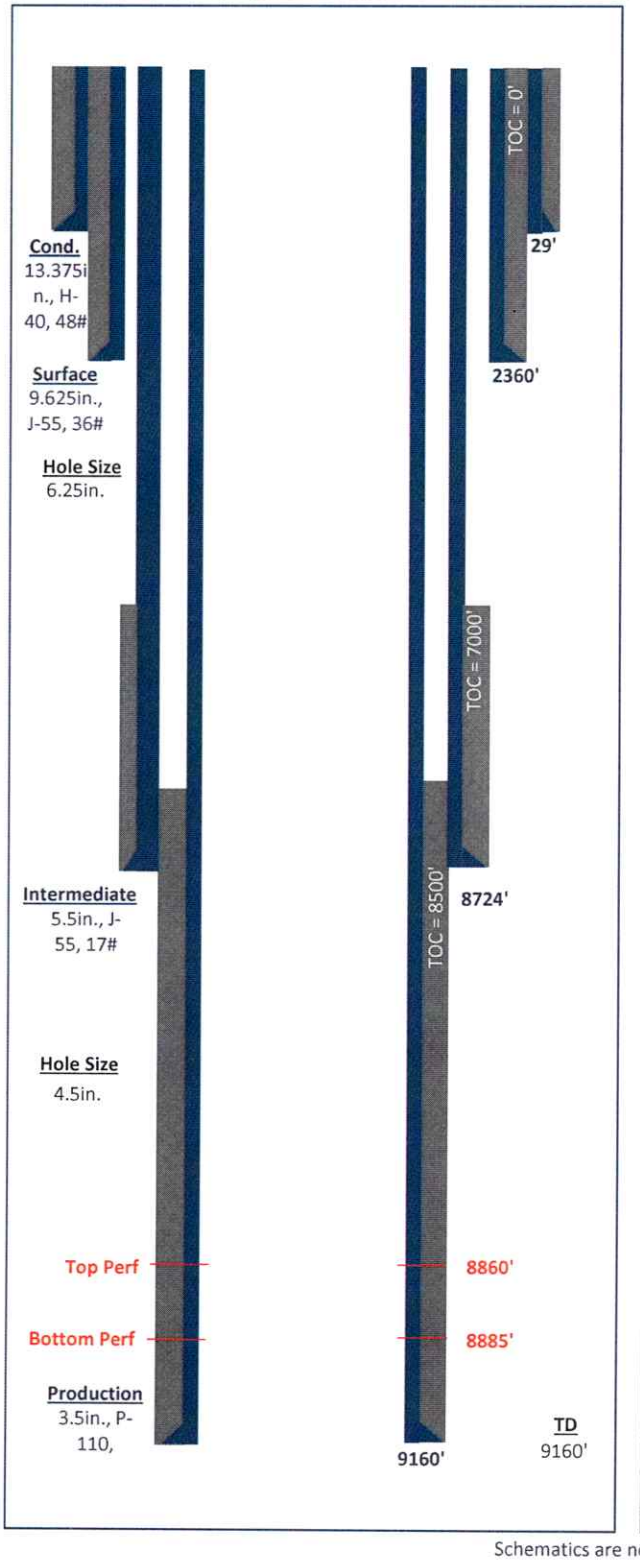
RECEIVED
Office of Oil and Gas
MAR 29 2024
WV Department of
Environmental Protection

Classification: DCL-Internal

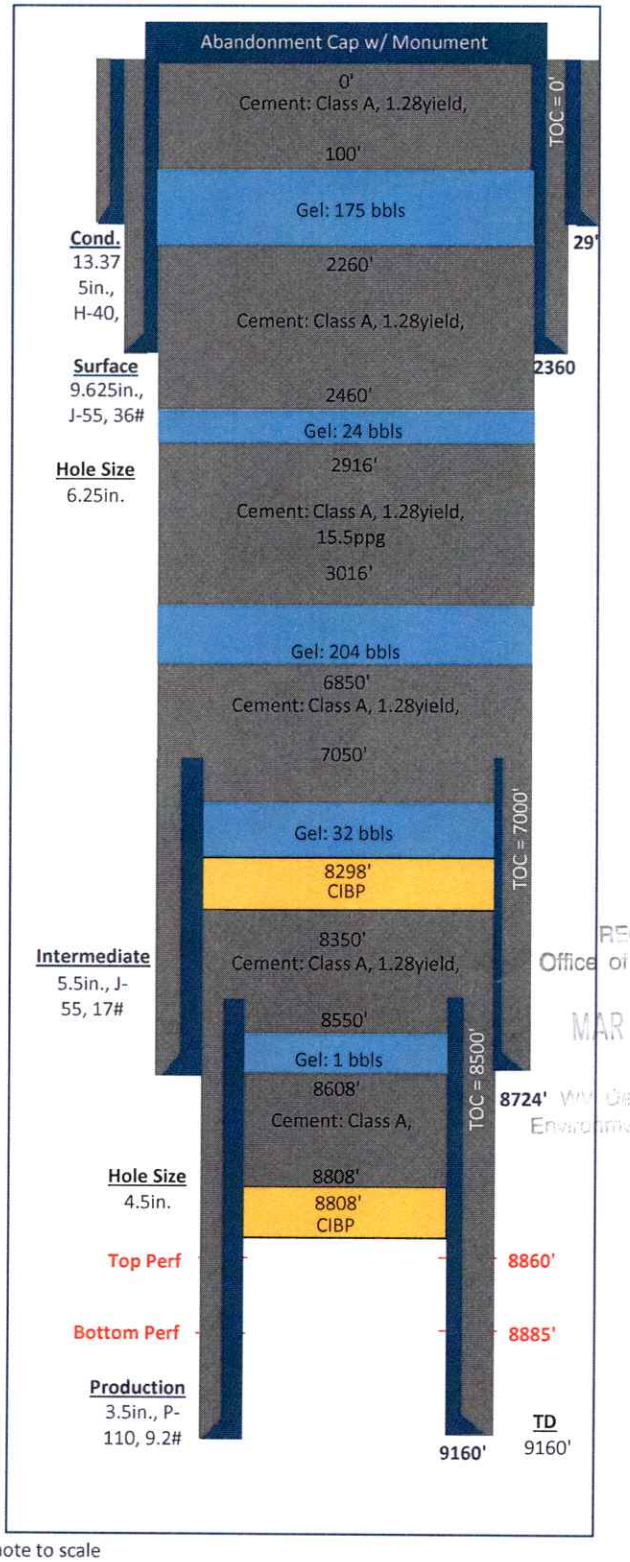
J B WEIMER ETAL 2514

CHESAPEAKE ENERGY

Current Wellbore Schematic



Proposed Wellbore Schematic



RECEIVED
Office of Oil and Gas
MAR 28 2024
WV Department of Environmental Protection

Schematics are note to scale

04/19/2024

WW-4A
Revised 6-07

1) Date: 3/19/2024
2) Operator's Well Number
21477-PI

3) API Well No.: 47 - 023 - 00013

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name: CARL EDWARD WEIMER, JR
Address: 5004 DERBY COURT
MURRELLS INLET, SC 29576

(b) Name:
Address:

(c) Name:
Address:

6) Inspector: GAYNE J KNITOWSKI
Address: 601 57TH STREET SE
CHARLESTON WV 25304
Telephone: 304546-8171

5) (a) Coal Operator
Name:
Address:

(b) Coal Owner(s) with Declaration
Name: CARL EDWARD WEIMER, JR
Address: 5004 DERBY COURT
MURRELLS INLET, SC 29576

Name:
Address:

(c) Coal Lessee with Declaration
Name:
Address:

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.

Commonwealth of Pennsylvania - Notary Seal
Carla M. Harris, Notary Public
Bradford County
My commission expires October 22, 2026
Commission number 1286242
Member, Pennsylvania Association of Notaries

Well Operator: CHESAPEAKE APPALACHIA LLC
By: KERI FIENO
Its: REGULATORY SPECIALIST
Address: PO BOX 18496
OKLAHOMA CITY, OK 73154-0496
Telephone: 405-766-8791

RECEIVED
Office of Oil and Gas
MAR 26 2024
Environmental Protection

Subscribed and sworn before me this 21st day of March 2024
Carla M. Harris Notary Public
My Commission Expires October 22, 2026

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 deppprivacyoffier@wv.gov.

04/19/2024

[EXTERNAL] UPS Delivery Notification, Tracking Number 1ZV3127X0395325468

UPS <pkginfo@ups.com>

Thu 3/21/2024 6:46 PM

To:Keri Fieno <KERI.FIENO@CHK.COM>

This Message Is From an External Sender

This message came from outside your organization.

Report Suspicious

UPS logo

Hello, your package has been delivered.

Delivery Date: Thursday, 03/21/2024

Delivery Time: 6:44 PM

Left At: OTHER-RELEAS

Set Delivery Instructions Manage Preferences View My Packages

SAYRECHK

JB WEIMER ETAL 2514 P&A LANDOWNER NOTIFICATION

Tracking Number:	**1ZV3127X0395325468**
Ship To:	CARL EDWARD WEIMER, JR 5004 DERBY COURT MURRELLS INLET, SC 295765846 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	0.2 LBS
Reference Number:	JB WEIMER ETAL 2514 P&A

04/19/2024

WW-9
(5/16)

API Number 47 - 023 00013
Operator's Well No. BERG 623925

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

Operator Name CHESAPEAKE APPALACHIA LLC OP Code 2528

Watershed (HUC 10) SOUTH FORK LUNICE CREEK Quadrangle BLACKBIRD KNOB Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No ☑ Will a pit ☐ sed?

Yes _____ No ☐ ☑

If so, please describe anticipated pit waste: ANY WELL EFFLUENT WILL BE CONTAINED IN TANKS AND DISPOSED OFFSITE

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 systembe used? If so, describe: DRILL CUTTINGS WILL BE CIRCULATED BACK INTO AN OPEN TANK

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

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

Additives to be used in drilling medium? NONE

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

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NO PIT

-Landfill or offsite name/permit number? KIMBLE SANITARY LANDFILL OR MUD MASTERS

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 Keri Fieno

Company Official (Typed Name) KERI FIENO

Company Official Title REGULATORY SPECIALIST

Subscribed and sworn before me this 21st day of March, 2024

Carla M. Harris

My commission expires October 22, 2026

Commonwealth of Pennsylvania - Notary Seal
Carla M. Harris, Notary Public
Bradford County
My commission expires October 22, 2026
Commission number 1286242
Member, Pennsylvania Association of Notaries

04/19/2024

Form WW-9

Operator's Well No. JB WEIMER ETAL 2514
(21477-PI)

Proposed Revegetation Treatment: Acres Disturbed 10 Prevegetation pH _____

Lime 3.90 Tons/acre or to correct to pH 7

Fertilizer type 8-16-16

Fertilizer amount 968 lbs/acre

Mulch 3 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
OATS/ANNUAL RYE	40LBS/ACRE	BIRDSFOOT TREFOIL	8LBS/ACRE
HAY/STRAW MULCH 3 TONS/ACRE		TALL FESCUE	40LBS/ACRE

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: Gayne Knitowski, Inspector Digitally signed by Gayne Knitowski, Inspector Date: 2024.03.20 12:03:36 -04'00'

Comments: _____

RECEIVED
Office of Oil and Gas
MAR 26 2024
Environmental

Title: Inspector Date: 3-20-2024

Field Reviewed? (X) Yes ( ) No

04/19/2024

WW-9- GPP
Rev. 5/16

Page _____ of _____
API Number 47 - 023 - 00013
Operator's Well No. JB WEIMER ETAL 2514 (21477-PI)

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

Operator Name: CHESAPEAKE APPALACHIA LLC

Watershed (HUC 10): SOUTH FORK FORK LUCINE Quad: BLACKBIRD KNOB

Farm Name: JB WEIMER ETAL 2514

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

SEE ATTACHED

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

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

RECEIVED
Office of Oil and Gas

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

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

04/19/2024

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.

RECEIVED
Office of Oil and Gas
MAR 29 2024
WV Department of
Environmental Protection

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

Signature: Yeri Lieno

Date: 3/21/24

Classification: DCL-Internal

RECOMMENDED PERMANENT SEEDING MIXTURE FOR ALL DISTURBED AREAS

MIXTURE NUMBER	SEASON	SPECIES	SEEDING RATE (lb/ac)
2	COOL	BIRDSFOOT TREFOIL TALL FESCUE	8 / 40

MULCHING

MATERIAL SHALL BE HAY OR STRAW WHICH IS FREE OF WEED AND SEEDS, NOT MOLDY, ROTTEN, AND SHALL BE APPLY TO ALL SLOPES FATTER THAN 3:1 AT A RATE OF 140 LBS/1,000 SF. (APPROXIMATELY TWO BALES PER 1,000 SF OR 3 TON PER AC)

HYDROSEEDING SPECIFICATION

MATERIAL	DESCRIPTION	APPLICATION RATE (PER 1,000 SY)
(1) SEE MIXTURE (% BY WEIGHT)	REDTOP – 10% PENNLAWN FESCUE – 45% KENTUCKY BLUEGRASS – 45%	27 LBS
(2) 8–16–16	COMMERCIAL FERTILIZER	200 LBS
(3) LIME	GROUND COMMERCIAL LIMESTONE	1,650 LBS
(4) MULCH	WOOD CELLULOSE FIBER	750 LBS

APPROXIMATE TACK COAT

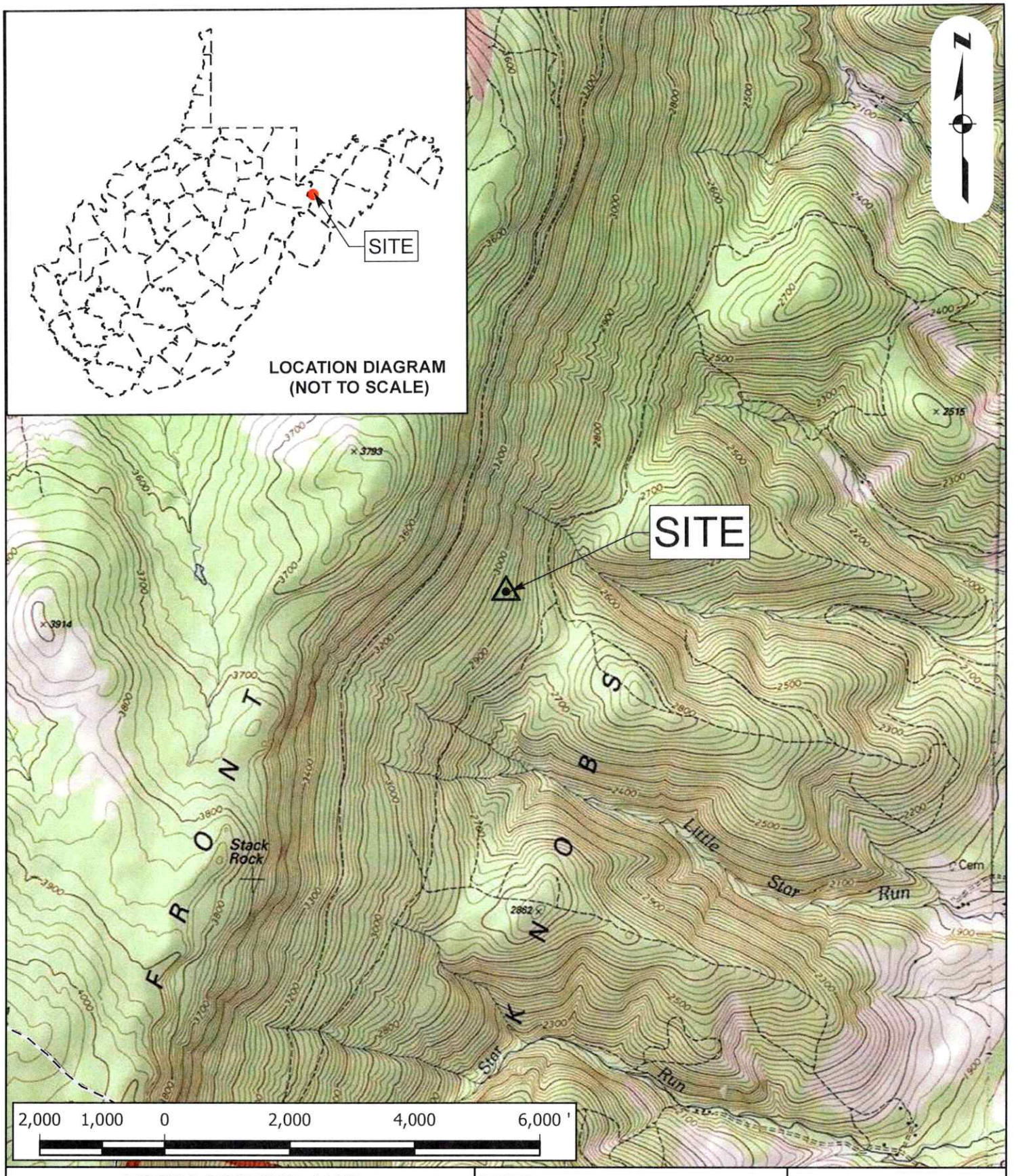
PROCEDURE: SURFACE TO BE HYDROSEEDED SHALL BE CLEANED OF ALL DEBRIS AND OTHER MATTER HARMFUL TO UNIFORM GERMINATION. A WATER–SURRY MIXTURE COMMPOSED OF THE ABOVE "MATERIALS". ITEMS (1) THROUGHT (3) INCLUSIVE, SHALL BE SPRAYED UNIFORMLY OVER THE AREAS TO BE HYDROSEEDED. IMMEDIATELY, THEREAFTER, ITEM (4) "MULCH" SHALL BE BLOWN ON THE SAME AREA AND TACK–COATED. RATES AND TYPE OF MATERIALS SHALL BE SPECIFIED.

MAINTENANCE AND GUARANTEE

THE CONTRACTOR SHALL GUARANTEE A GOOD STAND OF GRASS IN THE SWALES AND ON BANKS. THE MEANS OF GUARANTEE SHALL BE BY WATERING, MOWING, REGRADING, REMULCHING, AND RESEEDING TO THE SATISFACTION OF THE OWNER UNTIL FINAL ACCEPTANCE. ANY AREAS WHICH FAIL TO SHOW A UNIFORM STAND WITHIN ONE YEAR SHALL BE RESEEDED AND REMULCHED AT THE CONTRACTORS EXPENSE WITH THE SAME MIXTURE ORIGINALLY USED THEREON. ERODED AREAS SHALL BE REPAIRED AND RESTORED TO FINISHED GRADE PRIOR TO RESEEDING AND REMULCHING. ALL SUCH REPAIRING OF EROSION, RESEEDING, AND REMULCHING SHALL BE REPEATED UNTIL ALL EFFECTED AREAS ARE COVERED WITH GRASS.

RECEIVED
Office of
MAR 2 8 2024
WV
Environmental

04/19/2024



USGS LOCATION MAP

PREPARED FOR

JB Weimer ETAL 2514

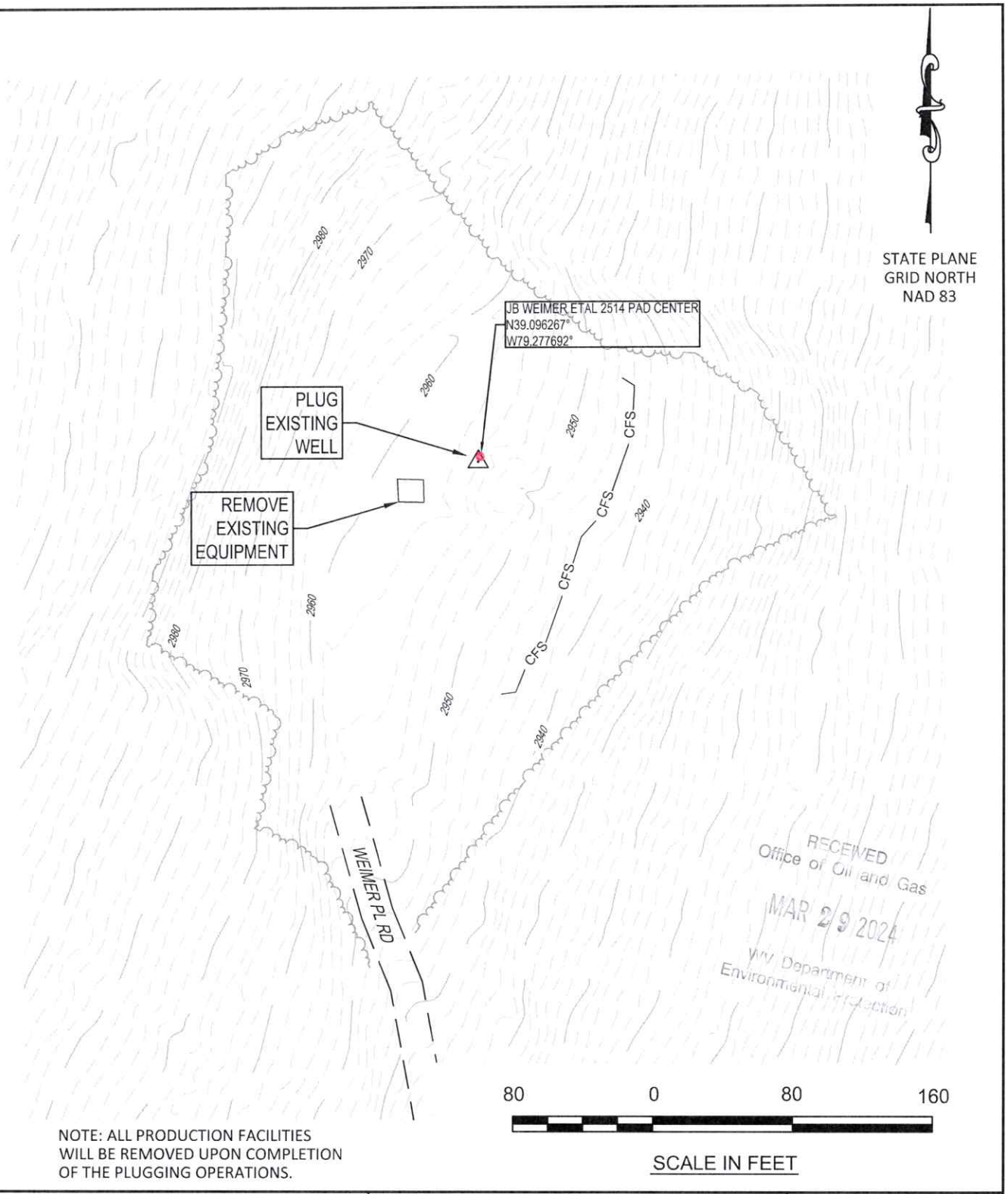
GRANT COUNTY, WEST VIRGINIA
BLACKBIRD KNOB USGS QUAD

PROJECT -	JB Weimer ETAL 2514
DATE -	1/23/2024
SCALE -	1 " = 2,000 '
DRAWN -	JKANE
FILE -	JB_WEIMER_USGS_LOCATION_MAP.mxd

JHA SURVEYING ENGINEERING ENVIRONMENTAL ARCHITECTURE

(844) 542-4757

04/19/2024



RECEIVED
Office of Oil and Gas
MAR 29 2024
WV Department of
Environmental Protection

NOTE: ALL PRODUCTION FACILITIES WILL BE REMOVED UPON COMPLETION OF THE PLUGGING OPERATIONS.

JB WEIMER ETAL 2514
SITE RECLAMATION API#47-023-00013

FOR
CHESAPEAKE ENERGY
LOCATED IN
GRANT COUNTY, WEST VIRGINIA
UNION DISTRICT
SOUTH BRANCH POTOMAC (2070001) WATERSHED

SITE PLAN

PLAN STATUS	DATE	REV.
FINAL	01/23/2024	1

LEGEND

- EXISTING CONTOUR
- EXISTING TREE LINE
- EXISTING PRIVATE ROAD EDGE
- WELLHEAD
- COMPOSITE FILTER SOCK — CFS

JHA SURVEYING ENGINEERING ENVIRONMENTAL ARCHITECTURE
WWW.JHACOMPANIES.COM
844-542-4757
466 SOUTH MAIN STREET
MONTROSE, PA 18801
PA • OH • NY • WV • VA • MD

04/19/2024

WW-7
8-30-06

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

API: 47-023-00013 **WELL NO.:** 21477-PI

FARM NAME: JB WEIMER ETAL 2514

RESPONSIBLE PARTY NAME: CHESAPEAKE APPALACHIA LLC

COUNTY: GRANT **DISTRICT:** UNION

QUADRANGLE: BLACKBIRD KNOB

SURFACE OWNER: CARL EDWARD WEIMER, JR

ROYALTY OWNER: CARL EDWARD WEIMER, JR

UTM GPS NORTHING: 4328871.455

UTM GPS EASTING: 648940.009 **GPS ELEVATION:** 2966'

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 X

Real-Time Differential ___

Mapping Grade GPS ___: Post Processed Differential ___

Real-Time Differential ___

RECEIVED
Office of Oil and Gas
MAR 29 2024
Environmental Protection

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.

Kevi Shino — Signature

REGULATORY SPECIALIST — Title

3/21/24 — Date

04/19/2024

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

plugging permits issued 4702300013 02300023 02300033

1 message

Kennedy, James P <james.p.kennedy@wv.gov> Fri, Apr 19, 2024 at 9:41 AM
To: Gayne J Knitowski <gayne.j.knitowski@wv.gov>, Eric Haskins <eric.haskins@chk.com>, jours@assessor.state.wv.us

To whom it may concern, plugging permits have been issued for 4702300013 02300023 02300033.

James Kennedy

WVDEP OOG

3 attachments

4702300013.pdf
2172K

4702300033.pdf
2334K

4702300023.pdf
2764K

04/19/2024