

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, May 23, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

OKLAHOMA CITY, OK 73118

Re:

Permit approval for 2533 47-023-00018-00-00

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: 2533

Farm Name: EVANS, RUTH

U.S. WELL NUMBER: 47-023-00018-00-00

Vertical Plugging
Date Issued: 5/23/2023

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.
- 4. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing.

WW-4B Rev. 2/01

1)Date MAY 4	20 23
2)Operator's	
Well No. RUTH EVANS 1-253	3
3) API Well No. 47-23	- 00018

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

	APPLICATION FOR A PER	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X / Liquid	d injection/ Waste disposal/
		derground storage) Deep/ Shallow
5)	Location: Elevation 2290'	Watershed LUNICE CREEK
	District UNION	County GRANT Quadrangle BLACKBIRD KNOB
<i>c</i> ,	Well Operator CHESAPEAKE APPALACHIA LLC	EDIC HASKING MANAGED DECODS
6)	Address PO BOX 18496	7) Designated Agent ERIC HASKINS - MANAGER REG OPS Address 14 CHESAPEAKE LANE
	OKLAHOMA CITY, OK 73154-0496	SAYRE, PA 18840
	OKLAHOMA OH 1, OK 75154-0490	SATRE, FA 10040
8)	Oil and Gas Inspector to be notified	9)Plugging Contractor
·	Name GAYNE J KNITOWSKI	Name PLANTS AND GOODWIN
	Address 601 57TH STREET SE	Address 360 HIGH STREET
	CHARLESTON, WV 25304	BRADFORD, PA 16701
		A
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	fication must be given to the district oi can commence.	l and gas inspector 24 hours before permitted
ork	order approved by inspector Gayne Knitowski	Digitally signed by Gayne Knitowski Date: 2023.05.08 07:59:38-04'00' Date



Plug & Abandon

County/State: GRANT, WV Township: UNION
Latitude: 39.0682297146 Longitude: -79.2615516829 (NAD 83)
API: 4702300018

Summary

The RUTH EVANS 1-2533 will be plugged and abandoned. The well is located in GRANT County, WV and was spud on 10-05-1988 by UNKNOWN, targeting the Oriskany as a Vertical well. The last known production date for this well was December of 2012 where it averaged 45 MCF, 0 BO, and 0 BW.

The Ruth Evans 1-2533 is a vertical well that was drilled and completed in the Oriskany with perforations from 7,929' to 8,010'. Unknown information includes: casing/tubing weight and grades, drilled hole sizes, and top of cement. All information pertaining to these unknown parameters in the proceeding P&A packet are assumed and/or estimated values.

	Guideline Guideline
Step	Operation 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.
2.	RU Containment.
3	MIRU WOR, pump, and surface equipment.
44	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.

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	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
	• 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Master Valve
	Bleed off test pressure, open master valve, and install BPV in tubing hanger. Contact engineer and prepare to set pump through
6	plug in tubing with SL, if BPV cannot be installed in hanger.
1710	a. Flow Paths:
	• Tubing – 1st Barrier = QHB, 2nd Barrier = Lubricator
	· Casing – 1st Barrier = QHB, 2nd Barrier = Tubing Hanger
	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
7	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
	 5.5 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)
	5.5 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
	5.5 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
	· 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Ram
	SKIP TO THIS STEP IF WELL DID NOT HAVE TUBING - Close master valve. NU WL packoff and pressure test against master valve. RU
11	WL.
	a. Flow Paths:
	 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Master Valve
	 8.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = Master Valve
	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:
	5.5 Casing — 1st Barrier = QHB, 2nd Barrier = WL Packoff
12	· 8.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = WL Packoff
13	ND WL packoff. RD and release WL. a. Flow Paths:
	• 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP
	8.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips ND 4-4-4-7-0538 P.O.D. (*f
	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
	· 8.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
	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).
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	a. Flow Paths:
	• 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP
	8.625 Casing — 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
12/11	Plug #2 (Cement Perf Isolation) - TIH with work string to bottom depth of Plug 2 as specified under the Plug Details table. Pump
16	Spacer 1 as detailed under the Spacer 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
	• 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = Pipe Rams
17	NU WL packoff. RU WL.
-/	a. Flow Paths:
	• 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = Cement Plug
10	· 8.625 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:
	· 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = Cement Plug, 4th Barrier = WL Packoff (untested)
	8.625 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 cu
	csg at TOC as determined by CBL. POOH with WL.
	a. Flow Paths:
	• 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = WL Packoff
	 8.625 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.
	a. Flow Paths:
	· 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Blind Ram
	 8.625 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
The	 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Blind Ram (Csg Jack NU), 2nd Barrier = Pipe Ram (Spear)
	 8.625 Casing — 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips (Csg Jack NU), 2nd Barrier = Pipe Ram (Spear)
22	POOH with production casing.
=	a. Flow Paths:
	 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Swage Nipple w/ Ball Valve
	· 8.625 Casing — 1st Barrier = QHB, 2nd Barrier = Annular
	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 2 as detailed under the Spacer Details table. Pump balanced cement plug in accordance with Plug 3. Displace tubing with
CHARLE	volume specified on Plug Details table. POOH 1,500' above estimated TOC. Close pipe ram, WOC 8 hours.
	volume specified on ring details table. Foon 1,500 above estimated Toc. Close pipe ram, WOC 8 nours.
	a. Flow Paths:
	· 2.375 Tubing — 1st Barrier = QHB, 2nd Barrier = TIW
	· 8.625 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Rams
COURSE HOLD HIS	Plug #5 (Inter Csg Shoe Plug) - TIH with work string and tag TOC. PU to bottom depth of Plug 5 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 5. 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
	8.625 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Rams
-	Plug #6 (Surface Plug) - TIH with work string and tag TOC. PU to bottom depth of Plug 6 as specified under the Plug Details table.
	Pump balanced cement plug in accordance with Plug 6. Displace tubing with volume specified on Plug Details table. POOH. Close
	alind ram, WOC 9 hours
-1	a. Flow Paths: Office of Oil & Gas
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	 Tubing – 1st Barrier = QHB, 2nd Barrier = TIW
	· KOP Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Ram
27	RDMO.
28	Monitor well for 24 hrs minimum.
29	Establish hot work permit. Perform LEL assessment of well head and ensure LEL monitoring remains in place. Contact supervisor and OKC engineer if LELs are registered. 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

Digitally signed by Gayne Knitowski Date: 2023.05.08 07:58:45 -04'00'

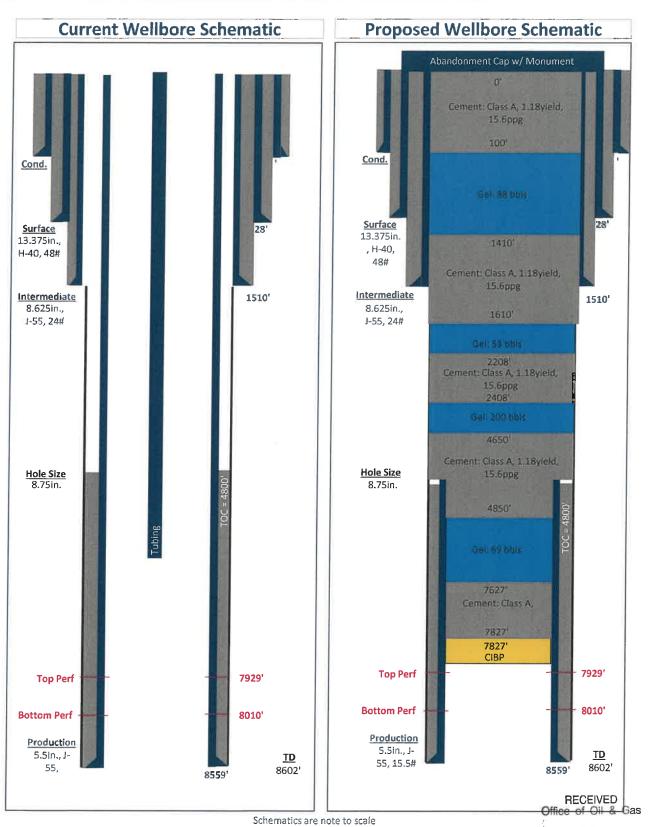
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Plugging Proposal

						Plug D	etails						
	Туре	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	4.95	2	7,829	7,827	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Cement	Cement Perf Isolation	4.95	200	7,827	7,627	Class A	1.18	15.6	0	4.8	22.7	29.3
3	Cement	Prod Csg Stub Plug (Inside Csg)	4.95	50	4,850	4,800	Class A	1.18	15.6	0	1.2	5.7	17.8
3 (con.)	Cement	Prod Csg Stub Plug (Open Hole)	8.75	150	4,800	4,650	Class A	1.18	15.6	20	13.4	63.7	0.0
4	Cement	Elevation Plug (Open Hole)	8.75	200	2,408	2,208	Class A	1.18	15.6	20	17.9	84.9	8.3
5	Cement	Inter Csg Shoe Plug (Open Hole)	8.75	100	1,610	1,510	Class A	1.18	15.6	20	8.9	42.5	5.2
5 (con.)	Cement	Surf Csg Shoe Plug (Inside Csg)	8.097	100	1,510	1,410	Class A	1.18	15.6	0	6.4	30.3	0.0
6	Cement	Surface Plug	8.097	100	100	0	Class A	1.18	15.6	0	6.4	30.3	0.4

			Spacer	Details				07.5
#	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	4.95	2,777	9	-	5	69.4
2	Gel	Prod Csg Stub Plug to Elevation Plug	8.75	2,242	9	-	20	200.1
3	Gel	Elevation Plug to Inter Csg Shoe Plug	8.75	598	9	-	20	53.4
4	Gel	Inter Csg Shoe Plug to Surface Plug	8.097	1,310	9	-	5	87.6

Estimated	Casing Cuts
String	Est. Cut Depth (ftKB)
Intermediate	
Production	4,800

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CHESAPEAKE ENERGY

Well Information

Surface Location				
County/State	GRANT, WV			
Township	UNION			
Latitude*	39.06822971			
Longitude*	-79.26155168			

*NAD 83

CHK Contacts						
Title	Name	Office	Mobile			
Production Superin.	Chris Sprute	_	318-771-2769			
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	Kory Lucas	405-766-8878	740-629-2092			
Regulatory Manager	Eric Haskins	-	607-242-3839			

Driving Directions	

General Well Data							
КВ	10	Top Perf	7,929	Perf Interval Length	81	РВТО	8,559
КОР	N/A	Bottom Perf	8,010	TD	8,602	Elevation	2,308

Casing Details										
String	Grade	OD	ID	Weight	Drift	Top (ftKB)	Bottom (ftKB)	Capacity (bbl/ft)	Tot. Cap.	Hole Size
Conductor										
Surface	H-40	13.375	12.715	48	12.559	-	28	0.157053842	4.4	
Intermediate	J-55	8.625	8.097	24	7.972	-	1,510	0.063688954	96.2	
Production	J-55	5.5	4.95	15.5	4.825	-	8,559	0.023802701	203.7	8.75
Production										
DV Tool										

Tubing Details										
Component	Grade	Weight	OD	ID	Length (ft)	Top (ftKB)	Bottom (ftKB)	Burst 80% (PSI)	Capacity (bbl/ft)	Tot. Cap
Tubing	J-55	5	2.375	1.995	8,049	10	8,059			31

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API # 47- 23-00018 ... RFC 327-0018 ...

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

Well Operator's Report of Well Work

Farm name: EVANS, RUTH Operator Well No.: 2533 LOCATION: Elevation: 2290.00 Quadrangle: BLACKBIRD KNOB District: UNION County: GRANT Latitude: 5550 Feet South of 39 Des. 5 Min. 0 Sec., Lonsitude 3350 Feet West of 79 Des. 15 Min. O Sec. Company: EQUITABLE RESOURCES EXPLORATION, INC.------P. D. DRAWER 40 | Casing | Used in | Left | Cement | BUCKHANNON, WV 1 - 1 - 1 IFill Upl ! Tubins ! Drillins ! in WelliCu. Ft.! Agent: Douglas P. Terry I Size Inspector: PHILLIP TRACY 04/15/88 Permit Issued: 13 3/9" Verbal Plussins 1510.35 1510.35 Permission dranted on: Rotary_X_ Cable Ris Total Berth (feet) 8602 5 1/2" 8559.03 ¹ 8559.03 Fresh water depths (ft) 60'__1307'__ Salt water depths (ft) None Is coal being mined in area (Y/N)?___ Coal Depths (ft): 2 3/8" OPEN FLOW DATA Producing formation_Oriskary_____Pay zone depth (ft)_8010__ Gas: Initial open flow 582 MCF/d Oil: Initial open flow Bb1/d Final open flow 5865 MCF/d Final open flow Bb1/d Final open flow 5865 ___MCF/d Final open flow _____ Bb1/d Time of open flow between initial and final tests ____ 6 __Hours Static rock Pressure_ 2100___psid (surface pressure) after 72____Hours Second producing formation_____ ____ Pay zone derth (ft)____ Gas: Initial open flow_____Bb1/d Final open flow _____Bbl/d £> Final open flow_____MCF/d Time of open flow between initial and final tests_____Hours Static rock Pressure_____psis (surface pressure) after _____Hours 2 NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED $\frac{8}{2}$ Intervals, fracturing or stihulating, physical change, etc. 2). The well $\frac{8}{2}$ Log which is a systematic detailed geological record of all formations, $\frac{8}{2}$

For: EQUITABLE RESOURCES EXPLORATION, INC.

Bet __ Douglas P. Terry Date: _April 10, 1989

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INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

11/12/88 - Halliburton acidized with 2000 gallons 5% Fe Acid, RTTS Packer set 2 7859'.

2/7/89 - Halliburton fracted with 200,000 lbs. 20/40 sand, 13,200 lbs. 80/100 sand and 210,000 Scft N2.
Perforations: **7929** - 8010', Oriskany Sandstone.

Harrell Shale 67141 7526 7547 Upper Marcellus Purcell 7615 Lower Marcellus 7661 ' 7683 ' 7795 ' Tioga Metabentonite Needmore Oriskany Sandstone Helderberg L.S. 8016 Shriver Chert 6196' Mandata Shale **6**2431 Corriganville 82621 8346 to TD 8602 Keyser Group

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WW-4A Revised 6-07 Date: 5/4/2023
 Operator's Well Number
 CHESAPEAKE APPALACHIA LLC

3) API Well No.: 47 -

023 - 00018

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

4) Surface Ow	ner(s) to be served	: 5)	(a) Coal Operato	r		
(a) Name	GOLDEN E EVANS		Name			
Address	2143 JORDAN RUN R	OAD	Address	-		
	MAYSVILLE, WV 2683	3		-		
(b) Name	UNITED STATES OF AM	ERICA/US FOREST SERVIO	(b) Coal Ov	wner(s) with D	eclaration	
Address	PO BOX 1548		Name	GOLDEN E EVA		
	ELKINS, WV 26241		Address	2143 JORDAN F	RUN ROAD	
			_	MAYSVILLE, W	V 26833	
(c) Name			Name	UNITED STATES OF AMERICA/US FOREST SERVICE		FOREST SERVICE
Address	1		Address	PO BOX 1548		
	5		_	ELKINS, WV 262	241	
6) Inspector	GAYNE J KNITOWSKI		(c) Coal Les	ssee with Decla		
Address	601 57TH STREET SE		Name	sace with Deen	aradion	
Tidalooo	CHARLESTON WV 25304		Address			
Telephone	304546-8171			=		
retopitone	4			-		
Take notice accompanyi Protection, the Applica	ing documents for a permi with respect to the well at tion, and the plat have be amstances) on or before the	of the West Virginia Code to plug and abandon a wathe location described on en mailed by registered	well with the Chief of the the attached Application or certified mail or del	e Office of Oil and O on and depicted on t	Gas, West Virginia D the attached Form W	Notice and Application and Department of Environmental W-6. Copies of this Notice, above (or by publication in
Offi	CE OF OH & Gas					
A A	Y 1 2 2023	-	CHESAPEAKE APPA			
WIA	11 14 2023	By:	KERI FIENO	el Luc	n0>	
WV	Department of	Its:	REGULATORY SPEC	IALIST		
Enviror	nmental Protection	Address	PO BOX 18496			
			OKLAHOMA CITY, OF	< 73154-0496		
		Telephone	405-766-8791			IEMMEED ANNOCAL
	sworn before me th	is ID th da	y of May	, 2023 Notary	y Pub Rommission	NOTARY PUBLIC STATE OF OKLAHOMA n # 10009313 Expires 11/05/26
My Commission	Expires	11/05/26				
Oil and Gas Privac	ey Notice	, ,				

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

Keri Fieno

From:

UPS <pkginfo@ups.com>

Sent:

Monday, May 8, 2023 6:53 PM

To:

Keri Fieno

Subject:

[EXTERNAL] UPS Delivery Notification, Tracking Number 1Z4352W50150558874

Follow Up Flag:

Follow up

Flag Status:

Flagged

x

Hello, your package has been delivered.

Delivery Date: Monday, 05/08/2023

Delivery Time: 6:03 PM

Left At: FRONT DOOR

×

RECEIVED
Office of Oil & Gas

MAY 12 2023

WV Department of **Environmental Protection**

Set Delivery Instructions

Manage Preferences

View My Packages

CHESAPEAKE ENERGY CORPORATION

Tracking Number:

1Z4352W50150558874

GOLDEN E EVANS

Ship To:

2143 JORDAN RUN ROAD

MAYSVILLE, WV 26833

US

Number of Packages:

UPS Service:

UPS Next Day Air®

Package Weight:

0.4 LBS

Reference Number:

142812 RUTH EVANS

Reference Number:

BG

Reference Number:

2023-05-05 09:36:48.767



May 10, 2023

Dear KERI FIENO:

The following is in response to your request for proof of delivery on your item with the tracking number: **9470 1118 9956 2201 2836 77**.

Item Details

Status:

Delivered, In/At Mailbox

Status Date / Time:

May 10, 2023, 11:32 am

Location:

ELKINS, WV 26241

Postal Product:

Priority Mail Express 2-Day®

Extra Services:

PO to Addressee

Up to \$100 insurance included

Recipient Name:

UNITED STATES OF AMERICA ATTN US FOREST

SERVICE

Shipment Details

Weight:

1lb, 0.0oz

Recipient Signature

Note: There is no delivery signature on file for this item.

Thank you for selecting the United States Postal Service[®] for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004

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WV Department of Environmental Protection

47023000180

Commission # 10009313 Expires 11/05/26

API Number 47 - 023 - 00018 Operator's Well No. RUTH EVANS 1-2533

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) LUNICE CREEK	Quadrangle BLACKBIRD KNOB
Do you anticipate using more than 5,000 bbls of water to comwill a pit be used? Yes No	
If so, please describe anticipated pit waste: ANY WE	LL 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 providence of the control of the con	nit Number)
Will closed loop system be used? If so, describe: DRILL CUT	TINGS WILL BE CIRCULATED BACK INTO AN OPEN TANK
Drilling medium anticipated for this well (vertical and horizon	
-If oil based, what type? Synthetic, petroleum, etc	I/A
Additives to be used in drilling medium? NONE	
Drill cuttings disposal method? Leave in pit, landfill, removed	d offsite, etc. LANDFILL
-If left in pit and plan to solidify what medium will b	e used? (cement, lime, sawdust) NO PIT
-Landfill or offsite name/permit number? KIMBLE SAI	NITARY LANDFILL OR MUD MASTERS
	Gas of any load of drill cuttings or associated waste rejected at any d within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the West Vi provisions of the permit are enforceable by law. Violations of or regulation can lead to enforcement action. I certify under penalty of law that I have personall application form and all attachments thereto and that, based on	conditions of the GENERAL WATER POLLUTION PERMIT issued riginia Department of Environmental Protection. I understand that the any term or condition of the general permit and/or other applicable law by examined and am familiar with the information submitted on this my inquiry of those individuals immediately responsible for obtaining the, and complete. I am aware that there are significant penalties for or imprisonment. RECEIVED Office of Oil & Gas
Company Official Title_REGULATORY SPECIALIST	WV Department or Environmental Protection
Subscribed and sworn before me this 10th day of	May , 20 23
Genela Johnson	Notary Public JENNIFER JOHNSON
My commission expires 11 05 26	NOTARY PUBLIC STATE OF OKLAHOMA

4702300018 P Operator's Well No. RUTH EVANS 1-2533

Proposed Revegetation Treatment: Acres Disturbed 10	Preve	g etation pH
Lime 3.90 Tons/acre or to correct t	to pH <u>7</u>	
Fertilizer type 8-16-16	 :	
Fertilizer amount 968	lbs/acre	
Mulch 3	Cons/acre	
	Seed Mixtures	
Temporary		Permanent
Seed Type Ibs/acre OATS/ANNUAL RYE 40LBS/ACRE	Seed Typ BIRDSFOOT	pe lbs/acre TREFOIL 8LBS/ACRE
HAY/STRAW MULCH 3 TONS/ACRE	TALL FESCUE	40LBS/ACRE
Attach:		
Attach: Maps(s) of road, location, pit and proposed area for land approvided). If water from the pit will be land applied, provided, W), and area in acres, of the land application area.		
Maps(s) of road, location, pit and proposed area for land approvided). If water from the pit will be land applied, provided		
Maps(s) of road, location, pit and proposed area for land approvided). If water from the pit will be land applied, provid L, W), and area in acres, of the land application area.		
Maps(s) of road, location, pit and proposed area for land approvided). If water from the pit will be land applied, provided. L, W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet.	de water volume, include dimen	
Maps(s) of road, location, pit and proposed area for land approvided). If water from the pit will be land applied, provided. If water from the pit will be land applied, provided. Who is a constant of the land application area. Photocopied section of involved 7.5' topographic sheet. Gayne Gayne Knitowski Gayne Knitowski Claim Approved by: Claim Approved by:	de water volume, include dimen	
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RECOMMENDED PERMANENT SEEDING MIXTURE FOR ALL DISTURBED AREAS

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

REDTOP - 10%

27 LBS

(% BY WEIGHT) P

PENNLAWN FESCUE - 45%

KENTUCKY BLUEGRASS - 45%

(2) 8-16-16

COMMERCIAL FERTILIZER

200 LBS

(3) LIME

GROUND COMMERCIAL UMESTONE

1,650 LBS

(4) MULCH

WOOD CELLULOSE FIBER

750 L8S

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.

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4702300018P

Page 1 of 2

API Number 47 - 023 - 00018 Operator's Well No. RUTH EVANS 1-2533

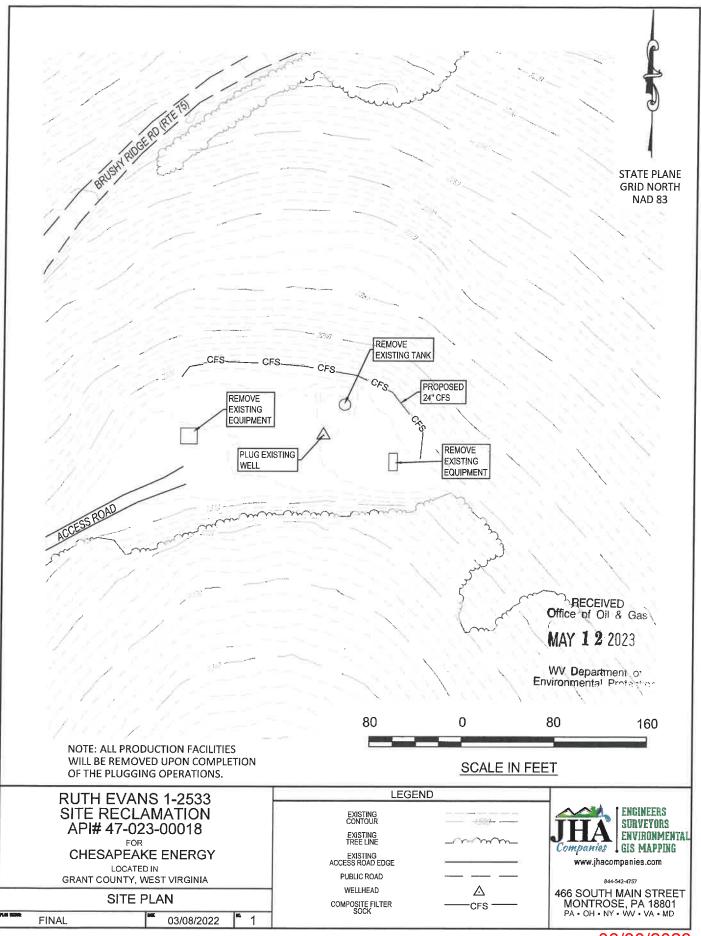
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS GROUNDWATER PROTECTION PLAN

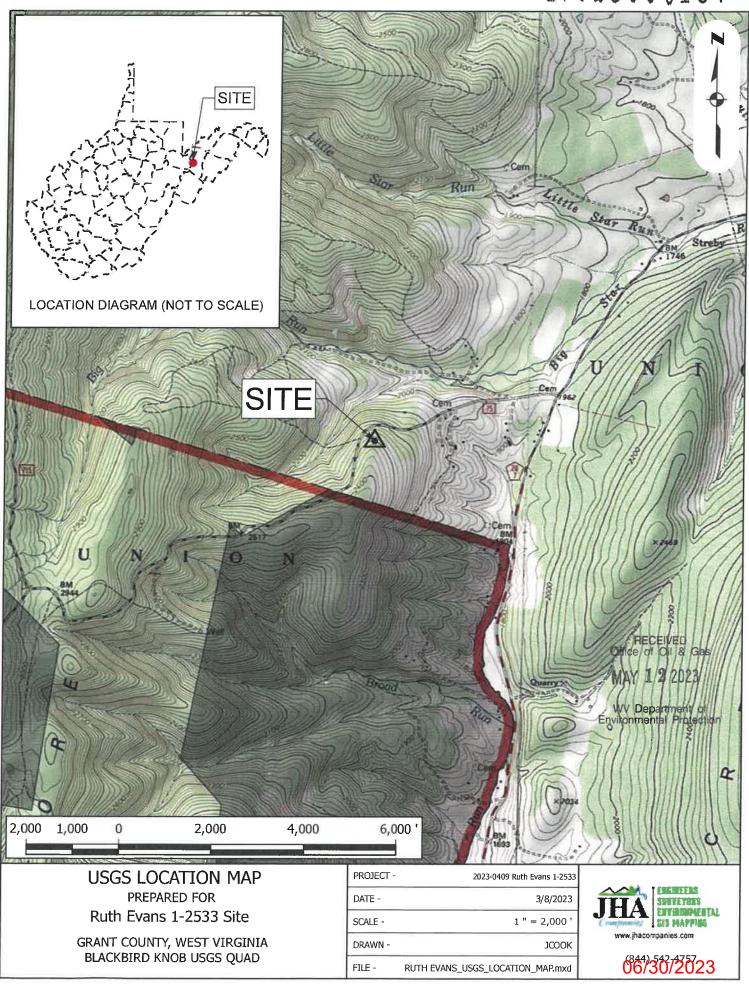
Operator Name: CHESAPEAKE APPALACHIA LLC	
Watershed (HUC 10): LUNICE CREEK	Quad: BLACKBIRD KNOB
Farm Name: RUTH EVANS 1-2533	
List the procedures used for the treatment and discharge of flugroundwater.	uids. Include a list of all operations that could contaminate the
SEE ATTACHED	
2. Describe procedures and equipment used to protect groundwar	ter quality from the list of potential contaminant sources above.
3. List the closest water body, distance to closest water body, discharge area.	and distance from closest Well Head Protection Area to the
Summarize all activities at your facility that are already regulate	ted for groundwater protection.
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	MAY 1 2 2023
	WV Department of Environmental Protection

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4702300018 P
Page 2 of 2
API Number 47 - 023 - 00018
Operator's Well No. RUTH EVANS 1-23533

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L	
б. Г	Provide a statement that no waste material will be used for deicing or fill material on the property.
1	
L	
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.
Γ	
8.	Provide provisions and frequency for inspections of all GPP elements and equipment.
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Si	gnature: Yell dieno MAY 1 2 2023 WV Department of Environmental Protestics
	Elalas
D٤	te: 5/8/23 WV Department of Environmental Protection







West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELL LOCA	ATION FURM: GPS	
_{API:} 47-023-00018	WELL NO.: 25	33
FARM NAME: RUTH EVANS	3	
RESPONSIBLE PARTY NAME: Ch		ACHIA LLC
COUNTY: GRANT	DISTRICT:_UNIC	NC
QUADRANGLE: BLACKBIRD) KNOB, WV	2
SURFACE OWNER: GOLDEN	E EVANS	
ROYALTY OWNER: GOLDEN	E EVANS	
UTM GPS NORTHING: 4325786		
UTM GPS EASTING: 650395.4	O3 GPS ELEVATIO	_{N:} 2290'
The Responsible Party named above has preparing a new well location plat for a pabove well. The Office of Oil and Gas with the following requirements: 1. Datum: NAD 1983, Zone: 17 height above mean sea level (2. Accuracy to Datum – 3.05 means and Collection Method: Survey grade GPS × : Post Proces	olugging permit or assigned API ill not accept GPS coordinates to North, Coordinate Units: meter MSL) – meters.	I number on the that do not meet rs, Altitude:
	Differential	Office of Oil Form
Mapping Grade GPS: Post Prod	cessed Differential	MAY 1 2 2023
Real-Tin	ne Differential	WV Department of Environmental Orotection
I the undersigned, hereby certify this data belief and shows all the information requirescribed by the Office of Oil and Gas.		owledge and
Signature	TIUC	Date



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MAY 1 2 2023

WV Department of Environmental Protection

May 10, 2023

Jeff McLaughlin WV DEP 601 57th Street SE Charleston, WV 25304

VIA UPS OVERNIGHT

Re:

Plugging Permit Application

Mr. McLaughlin,

Please find the enclosed Plugging permit application for the Ruth Evans 1-2533.

Sincerely,

Keri Fieno

Regulatory Specialist

Enclosures



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

Fwd: Message from KM_C450i

1 message

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

Tue, May 23, 2023 at 7:50 AM

To: Keri Fieno <keri.fieno@chk.com>, Eric Haskins <eric.haskins@chk.com>, Gayne J Knitowski

<gayne.j.knitowski@wv.gov>

Cc: "jours@assessor.state.wv.us" <jours@assessor.state.wv.us>, James P Kennedy <james.p.kennedy@wv.gov>

To all;

Please find attached the newly issued plugging permit application for the Ruth Evans No. 2533(API No. 47-023-00018).

Regards,

Jeff McLaughlin, Technical Analyst WV DEP, Office of Oil and Gas ----- Forwarded message ------From: <Copy.Center.2064@wv.gov> Date: Tue, May 23, 2023 at 7:40 AM Subject: Message from KM_C450i To: <jeffrey.w.mclaughlin@wv.gov>

