

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, September 12, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

OKLAHOMA CITY, OK 73118

Re:

Permit approval for 21445 47-023-00012-00-00

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: 21445

Farm Name: TETER, ICA S.

U.S. WELL NUMBER: 47-023-00012-00-00

Vertical Plugging Date Issued: 9/9/2024

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.

47	70	2	3	0	0	0	1	2	4

1) Date AUGUST 22 ,	20 2 4	•	
2)Operator's			
Well No. DOLLY EVANS 1 2513			
3) API Well No. 47-29	- 00012		

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

APPLICATION FOR A PERM	HIT TO PLUG AND ABANDON
4) Well Type: Oil/ Gas $\frac{X}{}$ / Liquid (If "Gas, Production or Und	linjection/ Waste disposal/ lerground storage) Deep/ Shallow
5) Location: Elevation 2680' District UNION	Watershed STAR RUN County GRANT Quadrangle BLACK BIRD KNOB
6) Well Operator Address CHESAPEAKE APPALACHIA LLC 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
ADD 100 CLASS NO GREAT A CEMENT PLUC	LET DE FILLED W/ GEL ET WEEN ALL CLASS A CEMENT CLASS A PLUGS MOST HAVE TER THAN 3% CACI. LES SHALL BE AT LEAST 6% Office Of Oil and Gas SEP 0 3 2024 MY 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

Gayne Knitowski, Inspector Digitally signed by Gayne Knitowski, Inspector Date: 2024.08.28 07:40:37 -04'00'

Date

8-28-2024



Well Information

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

*	NA	D	83	

	CHK Co	ontacts	
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	0	#N/A	#N/A
Production Engineer	Jordan Lucas		740-629-2091
Regulatory Manager	Eric Haskins	_	607-242-3839

Driving Directions	

A L		G	eneral V	Vell Data			
КВ	14	Top Perf	8,400	Perf Interval Length	69	PBTD	0
КОР	0	Bottom Perf	8,469	TD	8,650	Elevation	2,680

	exiliating and	N. S.		Casir	g Detail	S				
String	Grade	OD	ID	Weight	Drift	Top (ftKB)	Bottom (ftKB)	Capacity (bbl/ft)	Tot. Cap. (bbl)	Hole Size
		10.075	12.715	48	12.559	_	30	0.157054	4.711615	20
Conductor	H-40	13.375	12./15	40	12.555	1				12.375
Surface							0.007	0.077711	156.7	
Intermediate	J-55	9.625	8.921	36	8.765		2,027	0.077311		
Production	N-80	5.5	4.892	17	4.767	-	8,628	0.023248	200.6	8.75
Production										
DV Tool										

X - 4 - 1	Page 1	- 11 4		Tub	ing Detail	S				
Component	Grade	Weight	OD	ID	Length (ft)	Top (ftKB)	Bottom (ftKB)	Burst 80% (PSI)	Capacity (bbl/ft)	Tot. Cap. (bbl)
		-					#VALUE!	#VALUE!		

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CHESAPEAKE ENERGY

Plugging Proposal

						Plug Details	tails			The state of the s	Date of the same		
#	Type	Description	Set ID	Plug Height (ft)	Bottom of Plug (ftKB)	Top of Plug (ftKB)	Cement	Cement	Cement Density (ppg)	Excess Cement (%)	Cement Volume (bbl)	Cement Volume (sacks)	Tubing Displacement Volume (bbls)
1	CIBP	CIBP Perf Isolation	4.892	2	8,300	8,298	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Cement	Cement Perf Isolation	4.892	200	8,298	8,098	Class A	1.18	15.6	0	4.6	22.1	#VALUE!
8	Cement	Prod Csg Stub Plug (Inside Csg)	4.892	50	7,310	7,260	Class A	1.18	15.6	0	1.2	5.5	#VALUE!
3 (con.)	Cement	Prod Csg Stub Plug (Open Hole)	8.75	150	7,260	7,110	Class A	1.18	15.6	20	13.4	63.7	0.0
4	Cement	Elevation Plug (Open Hole)	8.75	200	2,780	2,580	Class A	1.18	15.6	20	17.9	84.9	#VALUE!
2	Cement	Inter Csg Shoe Plug (Open Hole)	8.75	100	2,127	2,027	Class A	1.18	15.6	20	8.9	42.5	#VALUE!
5 (con.)	Cement	Inter Csg Shoe Plug (Inside Csg)	8.921	100	2,027	1,927	Class A	1.18	15.6	0	7.7	36.8	0.0
9	Cement	Surface Plug	8.921	100	100	0	Class A	1.18	15.6	0	7.7	36.8	#VALUE!

String (ftkB)	Est. Cut Depth (ftKB)
Intermediate	
Production	7,260

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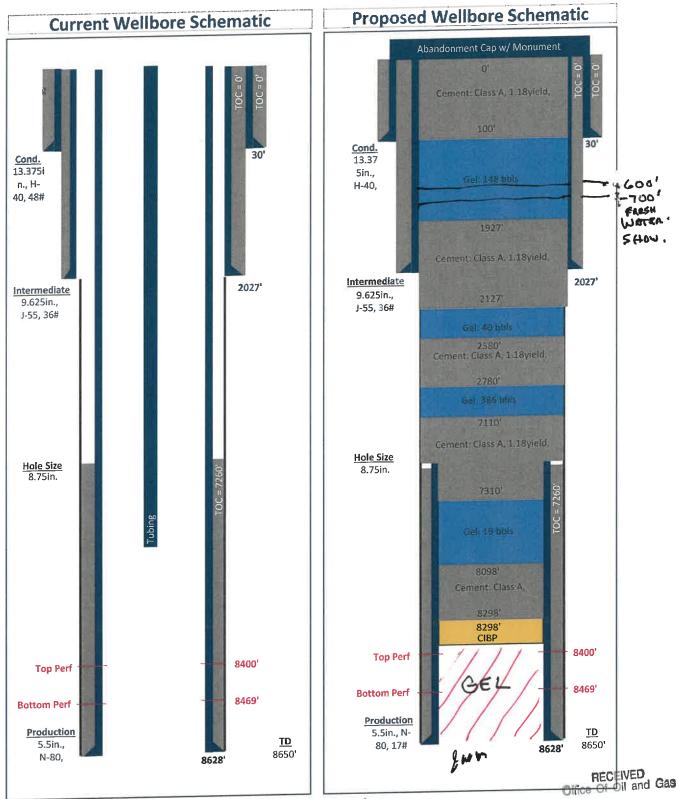
			Spacer Details	Details				ST. O. A.
*	Fluid Type	Description	Set ID	Spacer Height	Spacer Density (ppg)	Spacer Viscosity (cp)	Excess Spacer (%)	Spacer Volume (bbls)
н	Gel	Perf Isolation to Prod Csg Stub Plug	4.892	788	6	1	2	19.2
2	Gel	Prod Csg Stub Plug to Elevation Plug	8.75	4,330	6	1	20	386.5
3	Gel	Elevation Plug to Inter Csg Shoe Plug	8.75	453	o.	-	20	40.4
4	Gel	Inter Csg Shoe Plug to Surface Plug	8.921	1,827	ō	1	5	148.3











Schematics are note to scale

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Plug & Abandon

County/State: GRANT, WV Township: UNION Latitude: Longitude: (NAD 83) API: 4702300012 RECEIVED
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Summary

WV Department of Environmental Protection

The DOLLY EVANS 1 2513 will be plugged and abandoned. The well is located in GRANT County, WV and was spud on 03-09-1986 by COLUMBIA NATURAL RESOURCES, targeting the ORISKANY as a Vertical well. The last know production date for this well was 12-01-2012 where it produced 11 MCF, 0 BO, and 0 BW.

When flowline was disconnected, well head dropped 6-8" prompting this well to be elevated on the P&A schedule. Will need well head bracing installed prior to RU. No well view records, casing grades and weights are unknown, used grades and weights of known wells near by. Well has tubing and is on plunger lift, no details available. Completions report shows 2" tubing ran to 7873'.

	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.

3	f. Ensure that well head bracing is installed to be able to adequately support BOP stack. RU Containment.
2	1f aggioment
3	Pump FW until a Qualified Hydrostatic Barrier (QHB) is established. Ensure pump is rigged up and ready to pump kill weight fluid
4	
	for duration of job. a. Contact supervisor and OKC engineer if higher weight kill fluid is required.
	Contact supervisor and OKC engineer it inglice weight that the second of the seco
	Occurs when pumped PW volume equals of exceeds easing 1 to angle 1
	pressure exceeds 0 psi and/or well does not pass a flow check. SKIP TO STEP 11 IF WELL DOES NOT HAVE TUBING - Contact supervisor and OKC engineer if well does not have a tubing hanger.
5	SKIP TO STEP 11 IF WELL DOES NOT HAVE TOBING - Contact supervisor and site of significant
1	NU lubricator to closed master valve and pressure test.
	a. Flow Paths:
	Tubing – 1st Barrier = QHB, 2nd Barrier = Master Valve
87	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.
P	a. Flow Paths:
	· Tubing – 1st Barrier = QHB, 2nd Barrier = Lubricator
	· 5.5 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	Ram). Stab landing joint in tubing hanger. Close pipe rain and pressure test stable and stable and blind ram. Pressure Workover and Completions BOP Manual (outlined in section 2.6). LD landing joint, close master valve and blind ram. Pressure
	Workover and Completions BOP Manual (outlined in section 2.6). Lo landing joint, else in the landing j
	test blind ram against master valve in accordance with this workover and completions do mandet (the completions)
	a. Flow Paths:
	• Tubing – 1st Barrier = QHB, 2nd Barrier = BPV
	5 5 Cooling 1ct Parrier - OHB 2nd Barrier = Tuhing Hanger
0	NU lubricator and pressure test against master valve. Bleed off test pressure, open master valve and pull BPV.
8	a Flow Daths:
	Tubing – 1st Barrier = QHB, 2nd Barrier = BPV (NU), 2nd Barrier = Lubricator (Pull BPV)
	• 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Tubing Hanger
	Close Blind Ram and ND lubricator
9	
	a. Flow Paths:
	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:
	Tubing – 1st Barrier = QHB, 2nd Barrier = TIW
	5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Ram
	 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Nam SKIP TO THIS STEP IF WELL DID NOT HAVE TUBING - Close master valve. NU WL packoff and pressure test against master valve.
11	RU WL.
8	a. Flow Paths:
	. 5 5 Casing – 1st Barrier = OHB, 2nd Barrier = Master Valve
	A L Burniar OUB and Parrior - Cog Head/Slins 3rd Barrier = Master Valve
	at Acids Beat Isolation). TILL with WIL and set CIBP as specified under Plug Details table in accordance with Flug I. Ose a co
12	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

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	· 9.625 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
	o CDE Cooling 1 of Barrier - OHB 2nd Barrier = Csg Head/Slips
	tion to the process of applicables master valve, and necessary wellhead equipment to expose casing slips. Establish not
14	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
	a cas Guillan 1-t Barriar - OUB 2nd Barriar = Csg Head/Slins
	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
15	accordance with CHK Workover and Completions BOP Manual (outlined in section 2.6).
	a. Flow Paths: · 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP
	• 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
	· 9.625 Casing - 1st Barrier - Qrib, 2nd Barrier - esg rieds)
	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 Fing 2. Bisplace costing and
	volume specified on Plug Details table. POOH with WS. WOC 8 hours.
	a. Flow Paths:
	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 WŁ packoff. RU WL.
	a. Flow Paths:
	5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = Cement Plug
<u> </u>	9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips
18	RIH with CBL, POOH with WL and discuss results with key stakeholders.
18	a. Flow Paths:
	· 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = CIBP, 3rd Barrier = Cement Plug, 4th Barrier = WL Packoff (untested)
	• 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Csg Head/Slips, 3rd Barrier = WL Packoff (untested)
	Pressure test WL Packoff against cement plug to 500 psi. Ok testing against cement due to Clor below. All With Jet easter and
19	cut csg at TOC as determined by CBL. POOH with WL.
'nŸ	a. Flow Paths:
	· 5.5 Casing – 1st Barrier = QHB, 2nd Barrier = WL Packoff
	o car Caring 1st Barrior - OHB 2nd Barrier - Csg Head/Slips, 3rd Barrier - WL Packott
	at the transfer good cut before releasing WI by attempting to establish circulation. Do not exceed a did pay to
	I the second of
20	gradient when establishing circulation against open line accounting to hydrostatic pressure = $0.052 \times 9 \text{ ppg x } 5,000' = 2,340 \text{ ps}$
	Max surface circulating pressure = 1,660 psi.
	a. Flow Paths:
	. 5.5. Casing – 1st Barrier = QHB, 2nd Barrier = Blind Ram
	A series - 14th Barrier - OND 2nd Barrier - Csg Head/Slins, 3rd Barrier - Blind Kam
	the street of the live live live in a sping spear, and open blind ram. Spear casing, LD slips and spear. It casing jacks are needed
21	NU casing jacks (if applicable), Mid casing spear, and open similaritim open casing jacks (if applicable), Mid casing spear, and open similaritim open casing jacks (if applicable), Mid casing spear, and open similaritim open casing jacks (if applicable), Mid casing spear, and open similaritim open casing jacks (if applicable), Mid casing spear, and open similaritim open casing spear casing spear cases.
21	additional force that could be applied.
	a. Flow Paths:
	H a FIOW FALID.
	■ Tubing – 1st Barrier = QHB, 2nd Barrier = TIW

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	• 9.625 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 9.625 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 2 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: Tubing – 1st Barrier = QHB, 2nd Barrier = TIW 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Rams
24	Plug #4 (Elevation Plug) - TIH with work string and tag TOC. PU to bottom depth of Plug 4 as specified under the Plug Details table. Pump Spacer 3 as detailed under the Spacer Details table. Pump balanced cement plug in accordance with Plug 4. Displace tubing with volume specified on Plug Details table. PU to bottom of Plug 5 and continue with packet.
	 a. Flow Paths: Tubing – 1st Barrier = QHB, 2nd Barrier = TIW Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Rams
25	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: • Tubing – 1st Barrier = QHB, 2nd Barrier = TIW • 9.625 Casing – 1st Barrier = QHB, 2nd Barrier = Pipe Rams
26	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 blind ram. WOC 8 hours.
	 a. Flow Paths: 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. 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: 2024.08.28 07:39:56 -04'00'

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CONFIDENTIAL

IV-35 (Rev 8-81)



State of Mest Airginia Bepartment of Mines

Gil und Gas Zivision

Date	August	13,	986	
Opera Well	August tor's No	21445-	-TPI	
Farm_	Dolly	Evans		
API N	0- 47 -	023		0012

WELL OPERATOR'S REPORT

_	HEL			
Office	Of	Oil	and	Gas

DRILLING, FRACTURING AND/OR STIME	LATING, C	R PHYSICA	L CHANGE	OFD 0 2024
WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Undergrou	att occurs	ce Disposa ne/ Deen	1/ p_ <u>X</u> / Sha	SEP 03 2024 WV Department of Environmental Protection
LOCATION: Elevation; 2680 Watershed St	ar Run			1 1 1/2 - h
District: Union County Gra	nt	Quadrangle	Black B	ird Knob
COMPANY Columbia Gas Transmission Corporation				Cement
ADDRESS P. O. Box 1273, Charleston, WV 25325	Caging	Used in	Left	fill up
DESIGNATED AGENT Robert C. Weidner	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P. O. Box 1273, Charleston, WV 25325	Size 20-16			
SURFACE OWNER Dolly Evans, etal	Cond.			
ADDRESS Rt. 1, Maysville, WV 26833	13-10"	30	30	-
MINERAL RIGHTS CWINER As above	9 5/8	2027	2027	923
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Phillip	7	241		
Tracy ADDRESS Elkins, WV	5 1/2	8628	8628	786
PERMIT ISSUED 12-2-85	4 1/2			
DRITLING COMMENCED 1-25-86	3			
DRILLING COMPLETED 3-12-86	2	7873		On RTTS
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Oriskany Sand	stone	Dept	h 86	50feet
Depth of completed well 8650 feet R	otaryx	_/ Cable	Tools_	
Water strata depth: Fresh 620 feet;	Salt	feet		
Coal seam depths: N/A	Is coal	being mine	d in the	area?
OPEN FLOW DATA Producing formation Oriskany	Dav	zone dept	h 8400-86	169 feet
Gas: Initial open flow 3334 Mcf/d	Odia - Toda	Hial coen	€low	Bbl/d
Final open flow 7700 Mcf/d	Fin:	al open fl	GW	Bb1/d
Time of open flow between initi	al and fit	nal tests	N/A ho	urs
Static rock pressure 3263 psig(surface	mesenrem	ent) after	72 hou	rs shut in
Static rock pressure 3263 pary (surface	1			
(If applicable due to multiple completion-	-) Detr	zone dept	h	feer.
Second producing formation Gas: Initial open flow Mcf/d	Oil. Ini	tial open	flow	Eb1
Gas: Initial open riow	Oil. Min	al open fl		Bill and
Final open flow Mcf/d Time of open flow between initi	wass same	nal tasts	ho	urs
Static rock pressurepsig(surface	maagirena maagirena	nt) after	hou	rs s.
Static tock biesaniebara/amitace	ALAMADOR AND MALEN			

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

Perforated 1 shot per foot w/ .48-expendable shots at 8400'-8424' (13 shots). 8436'-8459' (8 shots) 8464'-8469' (6 shots)

Broke down formation with 2500 gallons 15% FE-acid through RTTS tool.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOITOM FEET	REMARKS Including indication of all and salt water, coal, oil a
Hampshire - Soft Gray	0	200	Little water
Red Rock - Soft Red	200	300	
Shale - Soft Brown	300 .	700	1" stream of fresh water
Sand - Hard Gray	700	1000	
Foreknobs - Silty Sand	1000	3080	
Scheer - Dark Gray Sandy Shale	3080	3700	RECEIVED
Shale - Soft Gray	3700	4800	RECEIVED Office Of Oil and Gas
Shale - Gray Silty	4800	5910	SEP 03 2024
Brallier - Shale	5910	7150	WV Department of Environmental Protection
Harrell - Shale	7150	7400	Environmental Protection
Tully - Limestone .	7400	7420	
Shale	7420	7920	
Upper Marcellus - Shale	7920	8030	
Purcell - Limestone	8030	8050	
Lower Marcellus - Shale	8050	8176	Gas at 8405' 3340 MCFD
Needmore Shale	8176	8282	
Oriskany - Sandstone	8282	8485	
Helderberg - Limestone	8485	8650 TD	T.D.

(Attach separate sheets as necessary)

	COLUMBIA	GAS TE	ANSMISSION	CORPORATION	John
	Wall Op	erator	1		
By:	_ 2	and	en far		
Dat	iniS	7/3	-81		

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 and, encountered in the drilling of a well."



Select County: (023) Grant

Enter Permit #: 00012

Get Data Reset

Select datatypes: (Check All)

Location Production Owner/Completion Stratigraphy Sample ☑ Pay/Show/Water Logs

Plugging Btm Hole Loc Table Descriptions
County Code Translations 47023000126

Permit-Numbering Series **Usage Notes**

Contact Information
Disclaimer
WVGES Main
"Pipeline-Plus" New

WV Geological & Economic Survey:

Well: County = 23 Permit = 00012 Link to all digital records for well

Report Time: Thursday, September 12, 2024 3:37:54 PM

Location Information: View Map

API COUNTY PERMIT TAX_DISTRICT QUAD_75 QUAD_4
4702300012 Grant 12 Union Blackbird Knob Davis QUAD_15 LAT_DD LON_DD UTME UTMN Davis 39.080975 -79.267993 649811.2 4327190.2

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 4702300012 3/12/1986 Original Loc Completed Dolly Evans Est 21445 Columbia Gas Transmission Corp.

 Completion Information:

 API
 CMP_DT
 SPUD_DT
 ELEV
 DATUM
 FIELD
 DEEPEST_I

 4702300012
 3/12/1986
 1/25/1986
 2673
 Ground Level
 Jordan Run
 Helderberg
 DEEPEST_FM DEEPEST_FMT INITIAL_CLASS FINAL_CLASS TYPE RIG CMP_MTHD TVD TWD NEW_FTG KOD G_BEF G_AFT O_BEF Helderberg Oriskany Development Well Development Well Gas Rotary Acidized 8650 8650 3334 7700 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
4702300012 3/12/1986 Pay Gas Vertical 8400 Oriskany 8469 Oriskany 3334 7700

4702300012 Columbia Gas Transmission Corp. 1988 533.402 1387 553.402 1387 553.402 1387 553.402 1387 533.402 1387 533.402 1387 1387 1387 1388		Gas Information: (Volumes in Mc	0													
4702300012 Columbia Gast Transmission Corp. 1986	API	PRODUCING_OPERATOR	PRD YEAR	ANN GAS	JAN	FEB	MAR	APR	MAY	JUN	JUH	AUG	SEP	OCT	NOV	DCM
4702300012 Columbia Gas Transmission Corp. 1987 553,402 4702300012 Columbia Gas Transmission Corp. 1988 543,655 57,170 61,373 2,538 59,170 41,619 54,912 5,387 46,934 46,304 75,889 28,393 30,874 30,00012 Equitable Resources Exploration, Inc. 1988 134,411 10,285 5,017 61,645 50,00012 13,0			1986	- 0	0	0	0									
4702300012 Equitable Resources Exploration, Inc. 1988 567,446 61,374 66,064 59,168 41,621 54,312 55,387 46,947 46,305 41,865 34,000 28,383 30,857 4702300012 Equitable Resources Exploration, Inc. 1990 0 0 0 0 0 0 0 0 0	4702300012	Columbia Gas Transmission Corp.	1987	553,402				•			•	•	v		U	U
4702300012 Equitable Resources Exploration, Inc. 1998 567,446 61,374 61,025 59,168 41,621 54,912 55,387 46,947 46,305 41,865 34,002 28,938 30,857 4702300012 Equitable Resources Exploration, Inc. 1990 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012	Columbia Gas Transmission Corp.	1988	432,555	57.170	61.373	2.538	59.170	41.619	54 912	0	2 332	0	46 304	75 860	28 025
1990 1987 1989 113,441 10,285 9,017 0 16,425 0 5,026 6,934 5,829 19,303 15,074 10,397 15,181 10,4702300012 Collumbia Gas Transmission Corp. 1991 188,207 13,323 10,014 6,180 9,547 11,375 0 19,096 0 0 0 0 12,989 14702300012 Collumbia Gas Transmission Corp. 1991 188,207 13,323 10,014 6,180 9,547 11,375 0 19,096 0 0 0 0 12,989 14702300012 Collumbia Natural Resources, Inc. (CNR) 1992 64,228 22,147 7,515 7,662 7,667 7,677 3,777 4,282 3,333 4,141 4,266 4,208 3,502 3,596 4702300012 Collumbia Natural Resources, Inc. (CNR) 1993 33,375 6,924 4,785 3,910 3,121 2,262 1,190 1,568 1,312 1,219 1,794 2,657 2,633 4702300012 Collumbia Natural Resources, Inc. (CNR) 1994 2,543 3,887 3,289 2,214 2,213 388 382 1,413 1,387 2,966 2,980 1,966 2,358 4702300012 Collumbia Natural Resources, Inc. (CNR) 1995 17,950 2,210 1,393 2,190 1,774 2,233 1,371 0 0 851 1,797 1,933 2,198 4702300012 Collumbia Natural Resources, Inc. (CNR) 1996 17,236 1,755 1,699 1,729 1,848 1,686 1,231 1,422 760 521 1,613 1,833 1,894 4702300012 Collumbia Natural Resources, Inc. (CNR) 1996 17,236 1,755 1,899 1,799			1988	567,446	61,374	66,064	59,168	41.621	54.912	55.387	46.947	46 305	41 865	34 008	28 938	30.857
4702300012 Columbia Gas Transmission Corp. 1990 188,207 13,323 10,014 6,180 9,547 11,375 0 19,096 0 0 0 0 0 0 0 0 0			1989	113,441	10,285	9,017	0	16,425	0	5.026	6.934	5 829	19 303			
4702300012 Columbia Gas Transmission Corp. 1991 188,207 13,323 10,014 6,180 9,547 11,375 0 19,096 0 0 0 0 0 0 0 0 0	4702300012	Equitable Resources Exploration, Inc.	1990	0	0	. 0			0							
4702300012 Columbia Natural Resources, Inc. (CNR) 1991 188,207 13,323 10,014 6,180 9,547 11,375 0 19,996 0 0 0 0 0 0 0 0 0			1990	188,207	13,323	10,014	6.180	9.547	11.375	ō	19.096					
### 4702300012 Columbia Natural Resources, Inc. (CNR)				188,207	13,323	10,014										
4702300012 Columbia Natural Resources, Inc. (CNR) 1992 64,282 8,214 7,451 7,652 7,677 5,377 4,282 3,933 4,114 4,265 4,208 3,502 4702300012 Equitable Resources Exploration, Inc. 1993 33,375 6,924 4,785 3,910 3,121 2,262 1,190 1,568 1,312 1,794 2,657 2,633 4702300012 Columbia Natural Resources, Inc. (CNR) 1994 25,453 3,867 3,289 2,214 2,213 3,98 382 1,413 1,387 2,966 2,980 1,966 2,358 4702300012 Columbia Natural Resources, Inc. (CNR) 1995 17,950 2,210 1,933 2,198 1,774 2,233 1,371 0 0 0 0 0 0 0 0 0	4702300012	Equitable Resources Exploration, Inc.	1991	0	0	0									0	
4702300012 Columbia Natural Resources, Inc. (CNR) 1993 33,375 6,924 4,785 3,910 3,121 2,262 1,190 1,568 1,312 1,219 1,794 2,657 2,533 470230012 Columbia Natural Resources, Inc. (CNR) 1995 17,958 2,210 1,393 2,190 1,774 2,233 1,371 0 0 0 0 0 0 0 0 0	4702300012	Columbia Natural Resources, Inc. (CNR)		64,282	8,214	7,451	7,662	7,677	5.377	4.282	3.933	4.114				
4702300012 Columbia Natural Resources, Inc. (CNR) 1994 25,553 3,887 3,289 2,214 2,213 398 382 1,431 1,387 2,966 2,980 1,966 2,358 4702300012 Columbia Natural Resources, Inc. (CNR) 1995 17,950 2,210 1,393 2,190 1,774 2,233 1,371 0 0 851 1,797 1,933 2,198 4702300012 Columbia Natural Resources, Inc. (CNR) 1996 17,236 1,755 1,689 1,729 1,848 1,636 1,231 1,422 760 521 1,613 1,833 1,189 4702300012 Columbia Natural Resources, Inc. (CNR) 1997 16,805 1,678 1,331 1,281 1,009 1,167 1,426 1,290 970 1,229 2,092 1,551 1,781 4702300012 Columbia Natural Resources, Inc. (CNR) 1998 13,799 1,019 1,183 1,471 1,334 153 1,299 1,541 1,396 1,118 1,157 1,242 886 4702300012 Columbia Natural Resources, Inc. (CNR) 1999 2,050 280 743 62 243 391 0 27 95 99 10 53 47 4702300012 Columbia Natural Resources, Inc. (CNR) 2000 750 84 55 72 14 72 92 84 63 79 75 17 43 4702300012 Columbia Natural Resources, Inc. (CNR) 2001 750 84 55 50 55 33 69 76 68 69 62 72 4702300012 Columbia Natural Resources, Inc. (CNR) 2001 750 49 44 55 50 55 33 69 76 68 69 62 72 4702300012 Columbia Natural Resources, Inc. (CNR) 2001 750 49 44 55 50 55 33 69 76 68 69 62 72 4702300012 Columbia Natural Resources, Inc. (CNR) 2001 750 49 44 55 50 55 33 69 76 68 69 62 72 4702300012 Columbia Natural Resources, Inc. (CNR) 2003 4,935 143 162 208 427 473 469 428 414 499 577 588 547 4702300012 Columbia Natural Resources, Inc. (CNR) 2004 6,349 589 547 460 528 625 527 469 421 453 829 709 192 4702300012 Columbia Natural Resources, Inc. (CNR) 2004 6,349 589 547 460 528 625 527 469 421 453 829 709 192 4702300012 Chesapeake Appalachia, LLC 2005 5,777 501 459 460 590 605 324 291 382 431 611 557 566 4702300012 Chesapeake Appalachia, LLC 2006 3,480 457 400 367 447 235 439 271 134 146 180 240 164 4702300012 Chesapeake Appalachia, LLC 2008 2,158 188 174 173 204 196 194 185 175 159 178 161 174 4702300012 Chesapeake Appalachia, LLC 2016 166 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012	Columbia Natural Resources, Inc. (CNR)		33,375	6,924	4,785										
4702300012 Columbia Natural Resources, Inc. (CNR) 1995 17,950 2,101 1,303 2,190 1,774 2,233 1,311 1,387 2,966 2,980 1,966 2,358 4702300012 Columbia Natural Resources, Inc. (CNR) 1995 17,950 2,101 1,755 1,699 1,729 1,848 1,636 1,231 1,422 760 521 1,613 1,833 1,189 4702300012 Columbia Natural Resources, Inc. (CNR) 1997 16,805 1,678 1,331 1,281 1,009 1,167 1,426 1,290 970 1,229 2,092 1,551 1,781 4702300012 Columbia Natural Resources, Inc. (CNR) 1998 13,799 1,019 1,183 1,471 1,334 153 1,299 1,966 2,356 4702300012 Columbia Natural Resources, Inc. (CNR) 1998 13,799 1,019 1,729 1,833 1,413 1,327 1,009 1,167 1,242 886 4702300012 Columbia Natural Resources, Inc. (CNR) 1998 1,3799 1,019 1,183 1,471 1,334 153 1,299 1,541 1,396 1,118 1,157 1,242 886 4702300012 Columbia Natural Resources, Inc. (CNR) 1998 1,709 1,183 1,471 1,334 1,337 1,396 1,118 1,157 1,242 886 4702300012 Columbia Natural Resources, Inc. (CNR) 2001 702 49 44 55 50 55 33 69 76 68 69 62 72 72 72 73 75 77 74 7402300012 Columbia Natural Resources, Inc. (CNR) 2002 792 726 392 88 59 81 81 60 17 0 26 153 4702300012 Columbia Natural Resources, Inc. (CNR) 2003 4,355 143 162 208 427 473 469 428 441 4499 577 586 547 4702300012 Columbia Natural Resources, Inc. (CNR) 2005 4,355 143 162 208 427 473 469 428 441 4499 577 586 547 4702300012 Columbia Natural Resources, Inc. (CNR) 2005 4,355 143 162 208 427 473 469 428 441 4499 577 586 547 4702300012 Columbia Natural Resources, Inc. (CNR) 2005 4,355 143 162 208 427 473 469 428 441 4499 577 586 547 4702300012 Columbia Natural Resources, Inc. (CNR) 2005 4,355 460 526 527 469 421 453 829 770 586 547 4	4702300012	Equitable Resources Exploration, Inc.		0	0	0										2,000
4702300012 Columbia Natural Resources, Inc. (CNR) 1995 17,950 2,210 1,333 2,190 1,774 2,233 1,371 0 0 0 851 1,797 1,933 2,198 470230012 Columbia Natural Resources, Inc. (CNR) 1996 17,236 1,755 1,699 1,729 1,848 1,636 1,231 1,422 760 521 1,613 1,833 1,189 1,729 1,729 1,614 1,290 1,729 1,614 1,290 1,729 1,729 1,720 1,7	4702300012	Columbia Natural Resources, Inc. (CNR)	1994	25,453	3,887	3,289	2.214	2.213	398	382	1.413	1.387	2 966	2 980		2 358
4702300012 Columbia Natural Resources, Inc. (CNR) 1997 16,805 1,755 1,699 1,729	4702300012	Columbia Natural Resources, Inc. (CNR)	1995	17,950	2,210											
4702300012 Columbia Natural Resources, Inc. (CNR) 1997 16,805 1,678 1,331 1,281 1,009 1,167 1,426 1,290 1,29 2,092 1,551 1,781 4702300012 Columbia Natural Resources, Inc. (CNR) 1999 2,050 280 743 62 243 391 0 27 95 99 10 53 47 4702300012 Columbia Natural Resources, Inc. (CNR) 1999 2,050 280 743 62 243 391 0 27 95 99 10 53 47 4702300012 Columbia Natural Resources, Inc. (CNR) 2000 750 84 55 72 14 72 92 84 63 79 75 17 43 4702300012 Columbia Natural Resources, Inc. (CNR) 2001 702 49 4 55 50 55 33 69 76 86 69 62 72 4702300012 Columbia Natural Resources, Inc. (CNR) 2002 792 72 63 92 88 59 81 81 60 17 0 26 153 4702300012 Columbia Natural Resources, Inc. (CNR) 2003 4,935 143 162 208 427 477 4702300012 Columbia Natural Resources, Inc. (CNR) 2004 6,349 589 547 460 528 625 527 469 421 453 829 709 192 4702300012 Chesapeake Appalachia, LLC 2005 5,777 501 459 460 590 605 324 291 382 431 611 557 566 4702300012 Chesapeake Appalachia, LLC 2006 3,480 457 400 367 447 235 439 271 134 146 180 240 164 4702300012 Chesapeake Appalachia, LLC 2007 1,625 139 94 111 104 136 152 141 141 143 145 160 159 14702300012 Chesapeake Appalachia, LLC 2008 2,158 188 174 173 204 196 194 185 175 159 178 161 171 1702300012 Chesapeake Appalachia, LLC 2007 1,625 139 94 111 104 136 152 141 141 143 145 160 159 14702300012 Chesapeake Appalachia, LLC 2016 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012	Columbia Natural Resources, Inc. (CNR)	1996	17,236	1,755	1,699	1.729									
4702300012 Columbia Natural Resources, Inc. (CNR) 1999 2,050 280 743 62 243 391 0 27 95 99 10 53 47 4702300012 Columbia Natural Resources, Inc. (CNR) 2000 750 84 55 72 14 72 92 84 63 79 75 17 43 470230012 Columbia Natural Resources, Inc. (CNR) 2001 702 49 44 55 50 55 33 59 76 68 69 62 72 470230012 Columbia Natural Resources, Inc. (CNR) 2001 702 49 44 55 50 55 33 59 76 68 69 62 72 72 72 72 72 72 73 74 74 74 74 74 74 74	4702300012	Columbia Natural Resources, Inc. (CNR)	1997	16,805	1,678	1,331	1.281	1.009								
4702300012 Columbia Natural Resources, Inc. (CNR) 1999 2,050 280 743 62 243 391 0 27 95 99 10 53 47 4702300012 Columbia Natural Resources, Inc. (CNR) 2000 750 84 55 72 14 72 92 84 63 79 75 17 43 4702300012 Columbia Natural Resources, Inc. (CNR) 2001 702 49 44 55 50 55 33 69 76 68 69 62 72 4702300012 Columbia Natural Resources, Inc. (CNR) 2002 792 72 63 92 88 59 81 81 60 17 0 26 153 4702300012 Columbia Natural Resources, Inc. (CNR) 2003 4,935 143 162 208 427 473 469 428 414 499 577 586 547 4702300012 Columbia Natural Resources, Inc. (CNR) 2004 6,349 589 547 460 528 625 527 469 421 453 829 709 192 4702300012 Chesapeake Appalachia, LLC 2005 3,480 457 400 367 447 235 439 271 134 146 180 240 164 4702300012 Chesapeake Appalachia, LLC 2007 1,625 139 411 104 136 152 141 141 143 145 160 159 140 1	4702300012	Columbia Natural Resources, Inc. (CNR)	1998	13,799	1,019	1,183	1.471	1.334								
4702300012 Columbia Natural Resources, Inc. (CNR) 2000 750 84 55 72 14 72 92 84 63 79 75 10 43 4702300012 Columbia Natural Resources, Inc. (CNR) 2002 792 72 63 92 88 59 81 81 60 17 0 26 153 4702300012 Columbia Natural Resources, Inc. (CNR) 2003 4,935 143 162 208 427 473 469 428 414 499 577 588 547 4702300012 Columbia Natural Resources, Inc. (CNR) 2004 6,349 589 547 460 528 625 527 469 421 453 428 4702300012 Chesapeake Appalachia, LLC 2005 5,777 501 459 460 528 625 527 469 421 453 428 4702300012 Chesapeake Appalachia, LLC 2006 3,480 457 400 367 447 235 439 271 134 146 180 240 164 4702300012 Chesapeake Appalachia, LLC 2007 1,625 139 94 111 104 136 152 141 141 143 145 160 159 4702300012 Chesapeake Appalachia, LLC 2008 2,158 188 174 173 204 196 194 185 175 159 178 161 171 4702300012 Chesapeake Appalachia, LLC 2009 1,322 164 190 182 174 160 160 181 121 0 0 0 0 0 0 0 0 0	4702300012	Columbia Natural Resources, Inc. (CNR)	1999	2,050		743										
4702300012 Columbia Natural Resources, Inc. (CNR) 2001 702 49 44 55 50 55 33 59 76 68 69 62 72 72 72 72 72 72 72	4702300012	Columbia Natural Resources, Inc. (CNR)	2000	750	84											
4702300012 Columbia Natural Resources, Inc. (CNR) 2002 792 72 63 92 88 59 81 81 60 17 70 66 153 4702300012 Columbia Natural Resources, Inc. (CNR) 2003 4,935 143 162 208 427 473 469 428 414 499 577 588 547 540 528 625 527 469 421 453 829 709 192 4702300012 Chesapeake Appalachia, LLC 2005 5,777 501 459 460 590 605 324 291 382 431 611 557 566 4702300012 Chesapeake Appalachia, LLC 2006 3,480 457 400 367 447 235 439 271 134 146 180 240 164 4702300012 Chesapeake Appalachia, LLC 2007 1,625 139 94 111 104 136 152 141 141 143 145 160 159 14702300012 Chesapeake Appalachia, LLC 2009 2,158 188 174 173 204 196 194 185 175 159 178 161 171 4702300012 Chesapeake Appalachia, LLC 2009 1,332 164 190 182 174 160 160 181 121 0 0 0 0 0 0 0 0 0 0 0	4702300012	Columbia Natural Resources, Inc. (CNR)	2001	702	49	44	55	50								
4702300012 Columbia Natural Resources, Inc. (CNR) 2003 4,935 143 162 208 427 473 469 428 414 499 577 588 547 570 588 547 540 528 625 527 469 421 453 829 709 192 470230012 Chesapeake Appalachia, LLC 2005 5,777 501 459 460 590 605 324 291 382 431 611 557 566 470230012 Chesapeake Appalachia, LLC 2006 3,480 457 400 367 447 235 439 271 134 146 180 240 164 470230012 Chesapeake Appalachia, LLC 2007 1,625 139 411 104 136 152 141 141 143 145 160 159 470230012 Chesapeake Appalachia, LLC 2008 2,158 188 174 173 204 196 194 185 175 159 178 161 171 470230012 Chesapeake Appalachia, LLC 2010 186 0 0 0 0 0 0 183 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012	Columbia Natural Resources, Inc. (CNR)		792	72	63	92	88								
4702300012 Chesapeake Appalachia, LLC 2005 5,777 501 459 460 528 625 527 469 421 453 629 709 192 4702300012 Chesapeake Appalachia, LLC 2006 3,480 457 450 367 447 235 343 291 382 431 611 557 566 4702300012 Chesapeake Appalachia, LLC 2006 3,480 457 400 367 447 235 439 271 134 146 180 240 164 4702300012 Chesapeake Appalachia, LLC 2007 1,625 139 94 111 104 136 152 141 141 143 145 160 159 174 470230012 Chesapeake Appalachia, LLC 2008 2,188 188 174 173 204 196 194 185 175 159 178 161 171 1702300012 Chesapeake Appalachia, LLC 2009 1,332 164 190 182 174 160 160 181 121 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012	Columbia Natural Resources, Inc. (CNR)	2003	4,935	143	162	208	427	473							
4702300012 Chesapeake Appalachia, LLC 2005 5,777 501 459 460 590 605 324 291 382 431 611 557 566 4702300012 Chesapeake Appalachia, LLC 2006 3,480 457 400 367 447 235 439 271 134 146 180 240 164 4702300012 Chesapeake Appalachia, LLC 2007 1,625 139 94 111 104 136 152 141 141 143 145 160 159 4702300012 Chesapeake Appalachia, LLC 2008 2,158 188 174 173 204 196 194 185 175 159 178 161 171 4702300012 Chesapeake Appalachia, LLC 2009 1,332 164 190 182 174 160 160 181 121 0 0 0 0 0 0 0 0 0	4702300012	Columbia Natural Resources, Inc. (CNR)	2004	6,349	589	547	460	528								
4702300012 Chesapeake Appalachia, LLC 2006 3,480 457 400 367 447 235 439 271 134 146 180 240 164 4702300012 Chesapeake Appalachia, LLC 2007 1,625 139 94 111 104 136 152 141 141 143 145 160 159 147	4702300012	Chesapeake Appalachia, LLC	2005	5,777	501	459	460									
4702300012 Chesapeake Appalachia, LLC 2007 1,625 139 94 111 104 136 152 141 141 143 145 160 159 159 170 160 17	4702300012	Chesapeake Appalachia, LLC	2006	3,480	457	400	367	447	235							
4702300012 Chesapeake Appalachia, LLC 2008 2,158 188 174 173 204 196 194 185 175 159 178 161 174 170230012 Chesapeake Appalachia, LLC 2010 1,332 164 190 182 174 160 161 181 121 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012	Chesapeake Appalachia, LLC	2007	1,625	139	94										
4702300012 Chesapeake Appalachia, LLC 2009 1,332 164 190 182 174 160 160 181 121 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td></td><td></td><td>2008</td><td>2,158</td><td>188</td><td>174</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			2008	2,158	188	174										
4702300012 Chesapeake Appalachia, LLC	4702300012	Chesapeake Appalachia, LLC	2009	1,332	164	190										
4702300012 Chesapeake Appalachia, LLC			2010	186	0											
4702300012 Chesapeake Appalachia, LLC 2012 238 91 62 74 0	4702300012	Chesapeake Appalachia, LLC	2011	2,139	91	98	175	159								
4702300012 Chesapeake Appalachia, LLC 2013 0	4702300012	Chesapeake Appalachia, LLC	2012	238	91	62										
4702300012 Chesapeake Appalachia, LLC 2014 0 <td></td> <td></td> <td>2013</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>ñ</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>			2013	0	0			ñ			-					
4702300012 Chesapeake Appalachia, LLC 2015 0 <td>4702300012</td> <td>Chesapeake Appalachia, LLC</td> <td>2014</td> <td>0</td> <td>0</td> <td>Ó</td> <td>ō</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	4702300012	Chesapeake Appalachia, LLC	2014	0	0	Ó	ō									
4702300012 Chesapeake Appalachia, LLC 2016 0	4702300012	Chesapeake Appalachia, LLC	2015	0	Ó	ò			ñ							
4702300012 Chesapeake Appalachia, LLC 2017 0	4702300012 C	Chesapeake Appalachia, LLC	2016	0	á	ō		ō	ň			-				
4702300012 Chesapeake Appalachia, LLC 2018 0	4702300012 C	Chesapeake Appalachia, LLC	2017	ō		ő			ő							
4702300012 Chesapeake Appalachia, LLC 2019 0	4702300012 C	chesapeake Appalachia, LLC	2018	0		ŏ						ñ				
4702300012 Chesapeake Appalachia, LLC 2020 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			2019	0		ō			ň			ň				
4702300012 Chesapeake Appalachia, LLC 2021 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012 C	hesapeake Appalachia, LLC	2020	ō	ō	õ			ñ			0				
	4702300012 C	hesapeake Appalachia, LLC		ő	ŏ	ŏ	ŏ	ŏ	ő	ő	ñ	ñ	Ď	0	n	8
4702300012 Chesapeake Appalachia, LLC 2022 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012 C	hesapeake Appalachia, LLC									-	ă			Ď	
4702300012 Chesapeake Appalachia, LLC 2023 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4702300012 C	hesapeake Appalachia, LLC														

Production	Oil Information: (Volumes in Bbl)	** some o	perators	may	have	repoi	ted N	IGL ι	ınder	Oil					
API	PRODUCING OPERATOR	PRD_YEAR	ANN OIL	JAN	FEB	MAR	APR	MAY	JUN	JUI	Alic	SEP	OCT	NOV	DCM
4702300012	Columbia Gas Transmission Corp.	1986	0	O	0	0	0	0	0	0	0	0	0	0	0
4702300012	Columbia Gas Transmission Corp.	1987	ō	ō	ő	ŏ	ŏ	ŏ	ő	ő	ŏ	ő	ő	ő	ő
4702300012	Columbia Gas Transmission Corp.	1988	0	0	ŏ	ŏ	ő	ő	ŏ	ő	ŏ	ŏ	ő	ő	0
4702300012	Equitable Resources Exploration, Inc.	1988	ő	ŏ	Ď	Ö	ő	ő	ŏ	ŏ	ő	Ö	ő	ő	Õ
4702300012	Columbia Gas Transmission Corp.	1989	ō	ō	ō	ő	ŏ	ő	ŏ	ŏ	ő	ñ	ő	ő	0
4702300012	Equitable Resources Exploration, Inc.	1990	ō	ō	ŏ	ő	ŏ	õ	ŏ	ő	ő	ŏ	ă	o	Ö
4702300012	Columbia Gas Transmission Corp.	1990	0	Ŏ	ŏ	ō	ŏ	ō	ŏ	ŏ	ő	ŏ	ő	0	o
4702300012	Columbia Gas Transmission Corp.	1991	ō	ō	ō	0	ŏ	ŏ	ŏ	ă	ő	ő	ő	ő	ő
4702300012	Equitable Resources Exploration, Inc.	1991	0	0	ŏ	ŏ	ŏ	ō	ō	ŏ	ő	ő	ő	ŏ	0
4702300012	Columbia Natural Resources, Inc. (CNR)	1992	0	ŏ	Ď	ō	ō	ō	ŏ	ŏ	ő	ő	ő	ő	0
4702300012	Columbia Natural Resources, Inc. (CNR)	1993	0	ō	ō	ō	ő	ŏ	ŏ	ŏ	ŏ	ŏ	ő	0	ő
4702300012	Equitable Resources Exploration, Inc.	1993	ō	ō	ō	ő	ŏ	ŏ	ŏ	õ	õ	ñ	ő	ő	ŏ
4702300012	Columbia Natural Resources, Inc. (CNR)	1994	0	0	Õ	ŏ	ŏ	ō	ō	ŏ	ŏ	ő	ő	ŏ	ŏl
4702300012	Columbia Natural Resources, Inc. (CNR)	1995	Ď	Õ	ō	ō	ŏ	ő	ŏ	ŏ	ă	ŏ	ŏ	ŏ	ŏ
4702300012	Columbia Natural Resources, Inc. (CNR)	1996	0	ō	Ō	Ö	ŏ	Ď	ŏ	ō	ő	ŏ	ő	ő	ŏl
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4702300012	Columbia Natural Resources, Inc. (CNR)	2004	0	0	0	0	ō	ō	ō	ō	ō	Ď	ŏ	ő	ŏl
4702300012	Chesapeake Appalachia, LLC	2005	0	0	0	0	0	ō	ō	õ	ō	ō	ŏ	ő	ŏl
4702300012	Chesapeake Appalachia, LLC	2006	0	0	0	ō	ō	ō	ō	ō	ŏ	ŏ	ŏ	ő	ŏ
4702300012	Chesapeake Appalachia, LLC	2007	0	0	D	ō	ō	ō	ō	Õ	ŏ	ō	ŏ	ő	ől
4702300012	Chesapeake Appalachia, LLC	2008	0	0	0	0	0	ō	ō	õ	ō	ō	ő	ő	٥١
4702300012	Chesapeake Appalachia, LLC	2009	0	0	0	Ó	ō	0	ō	ō	ō	ō	ŏ	ŏ	ő
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4702300012	Chesapeake Appalachia, LLC	2014	0	0	0	0	0	0	0	ō	ō	ō	ō	ō	ŏl
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4702300012	Chesapeake Appalachia, LLC	2017	0	0											- 1
4702300012	Chesapeake Appalachia, LLC	2018	0	0	0	0	0	0	0	0	0	Ð	0	0	0
4702300012	Chesapeake Appalachia, LLC	2019	0	0	0	Ó	0	ō	ō	ă	ō	ō	ŏ	ŏ	ŏ
4702300012	Chesapeake Appalachia, LLC	2020	0	0	0	o	0	ō	ō	ō	õ	ŏ	ŏ	ŏ	ŏ
4702300012	Chesapeake Appalachia, LLC	2021	0	0	0	Ó	Ó	0	ō	ō	ŏ	ŏ	ŏ	õ	öl
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Production	NGL Information: (Volum	nes in Bbl)	** some o	pera	tors	may h	nave	repor	ted N	lGL i	under	Oil			
API	PRODUCING_OPERATOR	PRD_YEAR											OCT	NOV	DCM
	Chesapeake Appalachia, LLC	2013	_ 0	0	D	0	0	0	0	0	0		0	0	0
4702300012	Chesapeake Appalachia, LLC	2014	0	0	ō	ŏ	ō	ō	ō	ñ	ő	ň	ň	ő	ñ
	Chesapeake Appalachia, LLC		Ō	ō	ō	ō	õ	ň	ň	ň	ň	ő	ň	ň	ň
4702300012	Chesapeake Appalachia, LLC	2016	0			•	•		•	•	•	٠	•	۰	
4702300012	Chesapeake Appalachia, LLC	2018	Ö	0	0	0	a	0	G	0	0	0	n	n	٥
	Chesapeake Appalachia, LLC	2019	Ō	Ď	ō	ō	õ	ň	ň	ñ	ň	ň	ő	ň	ň
	Chesapeake Appalachia, LLC	2020	Ō	ō	ō	ō	õ	ň	ő	ñ	ő	ñ	ñ	ŏ	ň
4702300012	Chesapeake Appalachia, LLC	2021	0	0	ñ	ñ	ň	n	ō	ñ	ñ	ň	ň	ñ	0
4702300012	Chesapeake Appalachia, LLC	2022	Õ	ň	ň	ň	õ	ñ	ň	ň	ň	ň	ŭ	ň	
4702300012	Chesapeake Appalachia, LLC	2023	Ŏ	ō	ō	ő	ŏ	ŏ	ŏ	ŏ	ő	ŏ	Ö	ő	ŏ

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN WTR	JAN	FEB	MAR	APR	MAY	JUIN.	.107	ALIG	SER	OCT	MOV	DCM
	Chesapeake Appalachia, LLC	2016	0						••••		700		00.		DOM
	Chesapeake Appalachia, LLC		0	0	0	0	0	0	n	0	n	n	n	0	0
	Chesapeake Appalachia, LLC		0	Ō	O	0	ō	ã	ň	ň	ñ	ñ	ñ	ň	ň
4702300012	Chesapeake Appalachia, LLC	2020	D	0	ō	ō	ŏ	ō	ő	õ	ñ	ŏ	ő	ň	ň
4702300012	Chesapeake Appalachia, LLC	2021	0	Ó	ō	Ď	ō	ñ	ň	ň	ň	ő	ñ	ñ	ň
	Chesapeake Appalachia, LLC		0	Ö	ō	0	ō	ŏ	ŏ	ŏ	ŏ	ő	ő	ň	ŏ
4702300012	Chesapeake Appalachia, LLC	2023	0	0	0	0	Õ	ō	ō	ő	ŏ	ő	ň	ň	ő

Stratigraphy Information:

		ynnonnau	OTT.							
	API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH QUALITY	THICKNESS	THICKNESS QUALITY	ELEV	DATUM
				Well Record		Reasonable		Reasonable		Ground Level
		Original Loc		Well Record	3080	Reasonable		Reasonable		Ground Level
		Original Loc		Well Record	5910	Reasonable	1240	Reasonable		Ground Level
		Original Loc		Well Record	7150	Reasonable	250	Reasonable		Ground Level
		Original Loc		Well Record	7400	Reasonable	20	Reasonable		Ground Level
И	4702300012	Original Loc	Up Marcellus	Well Record	7920	Reasonable	110	Reasonable		Ground Level
				Well Record	8030	Reasonable	20	Reasonable		Ground Level
1	4702300012	Original Loc	lo Marcellus	Well Record	8050	Reasonable	126	Reasonable		Ground Level
				Well Record	8176	Reasonable	106	Reasonable		Ground Level
		Original Loc		Well Record	8282	Reasonable	203	Reasonable		Ground Level
Į	4702300012	Original Loc	Helderberg	Well Record	8485	Reasonable	0	Reasonable		Ground Level

Wireline (E-Log) Information:

* Scanned/Raster Log Information:

API	SISTATE	LOG TOP	LOC POT	DEEDEST FM	1.000 41/411	0041	AD 745														
4702200012	Regular Entry	LUG_IOF	LUG_BUI	DEELES I LW	L LOGS_AVAIL	SCAN	GK_TOP	GR_BOT	D_TOP	D_BOT	N_TOP	N_BOT I_TO	P I_BOT	T_TOP	T_BOT	S_TOP	S BOT O	TOP	O BOT	INCH2	INC
	Tro minut miles	100	0040		GDNC,*	<u>Y</u>	100	8616	100	8640	100	8640				_	_	100	8640	Y	Y
Scanned/F	Paster Comm	sent: *load	: coliner	DE toncion														100		<u>-</u>	_

^{*} There is no Digitized/LAS Log data for this well

Downloadable Log Images/Data: We advise you to save the scanned log or digitized log file(s) to your PC for viewing. To do so, right-click the file of interest and select the save option. Then you can direct the file to a location of your choice. Please note the scanned log images vary in size and some may take several minutes to download.

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click here geologic log types:

d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
e photoelectric adsorption (PE or Pe, etc.)

Scanned/Raster Logs FILENAME

g gamma ray
i induction (includes dual induction, medium induction, deep induction, etc.)

m dipmeter

n neutron (includes neutron parosity, sidewall neutron--SWN, etc.) o other1

s sonic or velocity
t temperature (includes borehole temperature, BHT, differential temperature, etc.)
z spontaneous potential or potential

2 spontaneous potential mechanical log types:
b cement bond
c caliper
o other¹
p perforation depth control or perforate

¹other logs may include, but are not limited to, such curves as audio, bit size, CCL—casing collar locator, continuous meter, directional survey, gas detector, guard, NCTL—Nuclear Cement Top Locator, radioactive tracer, tension

There is no Plugging data for this well

Sample Information:

API CUT1_TOP CUT1_BOT CUT2_TOP CUT2_BOT CORE1_BOT FM1_TOP FM1_BOT CORE2_TOP CORE2_BOT FM2_TOP FM2_BOT SMPL THN_SEC1 SCAN1 SLAB1 PERM1 THN_SEC 4702300012 956 8650

WSC Comment: 2 duplicate sets of cuttings with the same Cut1 depths.

WW-4A Revised 6-07

RECEIVED Office Of Oil and Gas

SEP 03 2024

1) Date:

8/22/2024

4702300012P

2) Operator's Well Number CHESAPEAKE APPALACHIA LLC

3) API Well No.: 47 -

023

00012

WV Department of Environmental Protection STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

A) Surface Ow	ner(s) to be served:	5) ((a) Coal Operator	r			
(a) Name	SHAWN O SMITH		Name	NONE			
Address	268 BIG STARR LANE		Address				
Hadross	MAYSVILLE, WV 26833		_				
(b) Name	KARI L EVANS		(b) Coal Ov	vner(s) with Declaration			
Address	1130 HIGH KNOB FARI	M ROAD	Name	NONE			
Titaliood	MAYSVILLE, WV 26833		Address	,			
(a) Name			Name				
(c) Name	(- Address				
Address	((
6) Inspector	GAYNE J KNITOWSKI		(c) Coal Le	ssee with Declaration			
Address	601 57TH STREET SE		Name	NONE			
Haarooo	CHARLESTON WV 253	04	Address				
Telephone	304546-8171		_				
-				eived this Form and the following documents:			
Take notice accompany Protection,	ing documents for a permit	f the West Virginia Code to plug and abandon a v the location described or en mailed by registered	the attached Application or certified mail or de	operator proposes to file or has filed this Notice and Application and the Office of Oil and Gas, West Virginia Department of Environmental ion and depicted on the attached Form WW-6. Copies of this Notice, livered by hand to the person(s) named above (or by publication in			
		Well Operator	CHESAPEAKE APP	KACHIA ULC			
	AL AL THE COOL	By:	KERI FIENO	U Luno			
mmonwealth of Penns Carla M. Harris,	Sylvania - Notary Seal Notary Public	Its:	REGULATORY SPEC	DIALIST			
en	r-Aliniu I	Address	PO BOX 18496				
miccion expire	es October 22, 2020		OKLAHOMA CITY, O	K 73154-0496			
O miecioo DH	Association of Notaries	Telephone	405-766-8791				
ember, Pennsylvania							
Subscribed and My Commission	sworn before me th W. Harrio Expires Oct	ther 22,200	ay of Augus	Notary Public			
Oil and Gas Priva	cy 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 <u>depprivacyoffier@wv.gov</u>.

[EXTERNAL] UPS Delivery Notification, Tracking Number 1ZV3127X0196283283

UPS <pkginfo@ups.com>

Wed 8/28/2024 6:07 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

Office Of Oil and Gas

Hello, your package has been delivered.

Delivery Date: Wednesday, 08/28/2024

Delivery Time: 5:01 PM **Left At:** MET CUST BOY

SEP 03 2024

WV Department of Environmental Protection

Set Delivery Instructions

Manage Preferences

View My Packages

SAYRECHK

DOLLY EVANS LANDOWNER NOTIFICATION

Tracking Number:

1ZV3127X0196283283

SHAWN O SMITH

268 BIG STARR LANE

MAYSVILLE, WV 268338630

US

Number of Packages:

1

UPS Service:

Ship To:

UPS Next Day Air®

Package Weight:

0.0 LBS

Reference Number:

DOLLY EVANS

	Shown Smth	47023000126
to make the second of the seco	268 Big Storr LN.	Office Of Oil and Gas
مائست الله مسير جار ميشاوي او المستنشر الواستور إيد	Maysville Wu 26833 304-749-8867	SEP 0 3 2024 WV Department of
uras manamanina lika liskalaris (salahir ra simurina	304-749-8867	Environmental Protection
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A. C. C. See		
	10	
1		09/13/2024

4702300012ρ Office Of Oil and Gas SEP 03 2024 WV Department of Environmental Protection STATE PLANE **GRID NORTH NAD 83** REMOVE EXISTING EQUIPMENT PROPOSED 12 CFS PROPOSED 12")CFS 80 160 0 NOTE: ALL PRODUCTION FACILITIES WILL BE REMOVED UPON COMPLETION SCALE IN FEET OF THE PLUGGING OPERATIONS. LEGEND **DOLLY EVANS 1 2513** EXISTING CONTOUR SITE RECLAMATION API# 47-023-00012 EXISTING TREE LINE EXISTING PUBLIC ROAD CHESAPEAKE ENERGY LOCATED IN COMPOSITE FILTER CF: 844-542-4757 GRANT COUNTY, WEST VIRGINIA 466 SOUTH MAIN STREET MONTROSE, PA 18801 PA • OH • NY • WV • VA • MD SITE PLAN 1 08/22/2024 FINAL 09/13/2024



September 4, 2024

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

VIA UPS OVERNIGHT

Re:

Landowner Request

Mr. McLaughlin,

We have reviewed the attached landowner owner request for the Dolly Evans 1 2513 pad site. Chesapeake is aware of the affected areas Mr. Shawn Smith referenced and intends to repair the areas in the process of restoring this pad site after P&A activities are complete.

Sincerely,

Keri Fieno

Regulatory Specialist

Office of Oil and Gra

SEP 4 2024

[EXTERNAL] UPS Delivery Notification, Tracking Number 1ZV3127X0196225890

UPS <pkginfo@ups.com>

Wed 8/28/2024 5:13 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

Office Of Oil and Gas

SEP 03 2024

Hello, your package has been delivered.

Delivery Date: Wednesday, 08/28/2024

Delivery Time: 5:09 PM **Left At:** FRONT DOOR

WV Department of Environmental Protection

Set Delivery Instructions

Manage Preferences

View My Packages

SAYRECHK

DOLLY EVANS LANDOWNER NOTIFICATION

Tracking Number:

1ZV3127X0196225890

KARI L EVANS

Ship To:

1130 HIGH KNOB FARM ROAD MAYSVILLE, WV 268338157

HS

Number of Packages:

1

UPS Service:

UPS Next Day Air®

Package Weight:

0.0 LBS

Reference Number:

DOLLY EVANS

WW-9 (5/16) API Number 47 - 023 00012 Operator's Well No._DOLLY EVANS 1-2513

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

RECEIVED
Office Of Oil and Gas

FLUIDS/ CUTTINGS DISPOSA	L & RECLAMATION PLAN	SEP 03 2024
	OP Code 2528	•
Operator Name CHESAPEAKE APPALACHIA LLC	Quadrangle BLACK BIRD KNOB	WV Department of Environmental Protection
Watershed (HUC 10) STAR RUN Do you anticipate using more than 5,000 bbls of water to complete t		No
Do you anticipate using more than 5,000 bbls of water to complete to	he proposed wen work.	
Will a pit be used? Yes No No ANY WELL EFFI	LUENT WILL BE CONTAINED IN TANKS AND	DISPOSED OFFSITE
If so, please describe anticipated pit waste:	If so, what ml.?	-
Will a Synthetic microsc de adoca at the part		3
Proposed Disposal Method For Treated Pit Wastes: Land Application (if selected provide a co	ompleted form WW-9-GPP)	
Underground Injection (UIC Permit Nur	mber)
Reuse (at API Number)
Off Site Disposal (Supply form WW-9 for	or disposal location)	
Will closed loop systembe used? If so, describe: DRILL CUTTINGS	WILL BE CIRCULATED BACK INTO A	N 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 driming interest		
Drill cuttings disposal method? Leave in pit, landfill, removed offsi	te, etc. LANDFILL	
-If left in pit and plan to solidify what medium will be used	? (cement, lime, sawdust) NO PII	
-Landfill or offsite name/permit number? KIMBLE SANITARY	/ LANDFILL OR MUD MASTERS	
Permittee shall provide written notice to the Office of Oil and Gas o West Virginia solid waste facility. The notice shall be provided with where it was properly disposed.	f any load of drill cuttings or associate in 24 hours of rejection and the permitt	d waste rejected at any see shall also disclose
I certify that I understand and agree to the terms and condition April 1, 2016, by the Office of Oil and Cas of the West Virginia provisions of the permit are enforceable by law. Violations of any term or regulation can lead to enforcement action. I certify under penalty of law that I have personally examplication form and all attachments thereto and that, based on my in the information, I believe that the information is true, accurate, an submitting false information, including the possibility of fine or important to the control of the co	erm or condition of the general permit a mined and am familiar with the informquiry of those individuals immediately ad complete. I am aware that there arrisonment.	mation submitted on this responsible for o btaining re significant penalties for
Company Official Signature	Caria IVI	- County
Company Official (Typed Name) KERI FIENO REGULATORY SPECIALIST		on expires October 22, 2026 ssion number 1286242
Company Official Title REGULATORY SPECIALIST	Commis Member, Penn	sylvania Association of Notaries
Subscribed and swom before me this 27th day of Av	, 20 <u>33</u> Notary Public	
My commission expires UCH about 22, 2006		09/13/2024

Operator's Well No. DOLLY EVANS 1 2513_____

Proposed Revegetation Treatment: Acres Disturbed 10	Preveg etation j	он		
Lime 3.90 Tons/acre or to correct to pH	7			
Fertilizer type 8-16-16		RECEIVED Office Of Oil and Gas		
Fertilizer amount 968	bs/acre	SEP 03 2024		
Mulch_3Tons		WV Department of nvironmental Protection		
See	ed Mixtures			
Temporary	Perm	anent		
Seed Type lbs/acre OATS/ANNUAL RYE 40LBS/ACRE	Seed Type BIRDSFOOT TREF	lbs/acre OIL 8LBS/ACRE		
HAY/STRAW MULCH 3 TONS/ACRE	TALL FESCUE	40LBS/ACRE		
Maps(s) of road, location, pit and proposed area for land applic provided). If water from the pit will be land applied, provide w (L, W), and area in acres, of the land application area.	cation (unless engineered plans incluater volume, include dimensions (L	nding this info have been, W, D) of the pit, and dim		
Attach: Maps(s) of road, location, pit and proposed area for land applic provided). If water from the pit will be land applied, provide w (L, W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet.	eation (unless engineered plans inclurater volume, include dimensions (L	nding this info have been, W, D) of the pit, and dim		
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WW-9-GPP Rev. 5/16

RECEIVED
Office Of Oil and Gas

SEP 03 2024

- 00012 - 100012 Page ___ API Number 47 - 023 Operator's Well No.DOLLY EVANS 1 2513

WV Department of WEST VIRGINIA Environmental Protection OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

GROUNDWATER PROTECTION PLAN

GROUNDWATER PR	OTECHON PLAN
Operator Name: CHESAPEAKE APPALACHIA LLC	
Watershed (HUC 10): STAR RUN	Quad: BLACK BIRD KNOB
Farm Name: DOLLY EVANS 1 2513	
List the procedures used for the treatment and discharge of fl groundwater.	uids. Include a list of all operations that could contaminate the
SEE ATTACHED	
Describe procedures and equipment used to protect groundward.	ter quality from the list of potential contaminant sources above.
2. Doomes provided in the control of	
 List the closest water body, distance to closest water body, discharge area. 	and distance from closest Well Head Protection Area to the
discharge area.	
Summarize all activities at your facility that are already regular	ated for groundwater protection.
4. Summarize all activities at your facility that are already regard	

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

WW-9- GPP Rev. 5/16	API Number 47023 00012 Operator's Well No. DOLLY EVANS 1 2513
6. Provide a statement that no waste material will be use	ed for deicing or fill material on the property.
Describe the groundwater protection instruction and provide direction on how to prevent groundwater con	I training to be provided to the employees. Job procedures shall ntamination.
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SEP 0 3 2024	
WV Department of Environmental Protection	
8. Provide provisions and frequency for inspections of a	all GPP elements and equipment.
Signature: Levi Lieno	
Date: 8/27/24	

RECOMMENDED PERMANENT SEEDING MIXTURE FOR ALL DISTURBED AREAS

MIXTURE NUMBER	MIXTURE NUMBER SEASON		SEEDING RATE (Ib/ac)		
Ž	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)

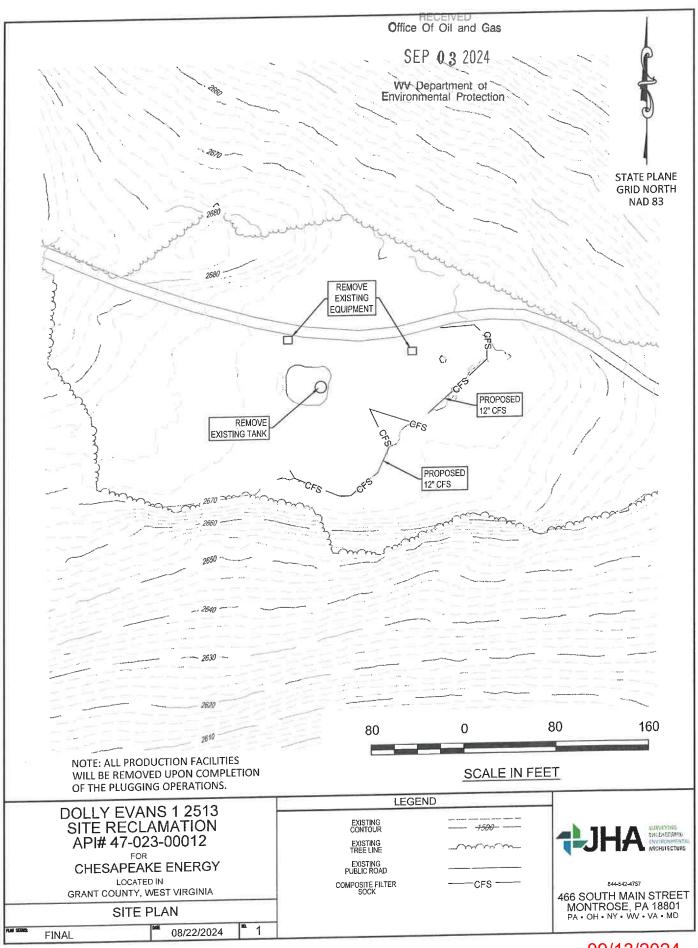
HYDROSEEDING SPECIFICATION

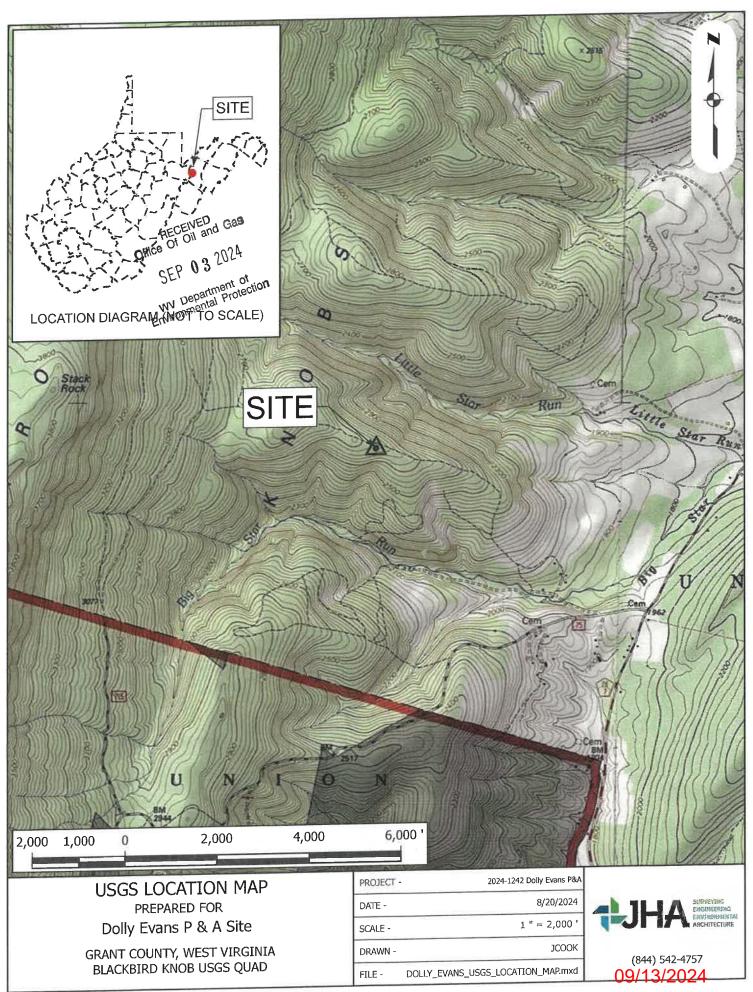
	II I DI TO O DE DE SI TE L		-	
MATERIAL	DESCRIPTION	APPLICATION RATE	(PER 1,000 SY	
(1) SEE MIXTURE (% BY WEIGHT)	REDTOP - 10% PENNLAWN FESCUE - 45% KENTUCKY BLUEGRASS - 45%		LBS	
(2) 8-16-16	COMMERCIAL FERTILIZER	200	LØS	RECEIVED Office Of Oil and Gas
(3) LIME	GROUND COMMERCIAL LIMESTO	NE 1,650	LBS	SEP 03 2024
(4) MULCH	WOOD CELLULOSE FIBER	750	LBS	WV Department of Environmental Protection

APPROXIMATE TACK COAT
PROCEDURE: SUFFACE TO BE HYDROSEEDED SHALL BE CLEANED OF ALL BEBRIS 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.





WW-7 8-30-06



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SEP 03 2024

WV Department of Environmental Protection

West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELLIO	Allon Tolkin Gra					
_{API} : 47-023-00012	WELL NO.: 2513					
FARM NAME: DOLLY EVA	NS 1					
API: 47-023-00012 WELL NO.: 2513 FARM NAME: DOLLY EVANS 1 RESPONSIBLE PARTY NAME: CHESAPEAKE APPALACHIA LLC						
COUNTY: GRANT	DISTRICT: UNION					
BLACK BIRD KNOB						
SHAWN O SMITH: KARI L EVANS						
ROYALTY OWNER: SHAWN O SMITH; KARI L EVANS						
UTM GPS NORTHING: 43271	86.837					
UTM GPS NORTHING:	584 GPS ELEVATION: 2680'					
UTM GPS EASTING:	GPS ELEVATION:					
preparing a new well location plat for above well. The Office of Oil and Gas	meters					
Real-Time Differential						
Mapping Grade GPS: Post Processed Differential						
Real-Time Differential						
I the undersigned hereby certify this	REGULATORY SPECIALIST 8/27/24					
Signature	Title Date					





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SEP 03 2024

WV Department of Environmental Protection

August 29, 2024

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

VIA UPS OVERNIGHT

Re:

Plugging Permits

Mr. McLaughlin,

Please find the enclosed Plugging permit for the Dolly Evans 1 2513; 47-023-00012.

Sincerely,

Keri Fieno

Regulatory Specialist

Enclosures



September 4, 2024

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

VIA UPS OVERNIGHT

Re:

Landowner Request

Mr. McLaughlin,

We have reviewed the attached landowner owner request for the Dolly Evans 1 2513 pad site. Chesapeake is aware of the affected areas Mr. Shawn Smith referenced and intends to repair the areas in the process of restoring this pad site after P&A activities are complete.

Sincerely,

Keri Fieno

Regulatory Specialist

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SEP 4 2024

WW-4A Revised 6-07 RECEIVED
Office Of Oil and Gas

SEP 03 2024

1) Date:

8/22/2024

47023000120

2) Operator's Well Number CHESAPEAKE APPALACHIA LLC

3) API Well No.: 47 -

023

00012

WV Department of Environmental Protection STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

A) Charles Over	ner(s) to be served:	5)	(a) Coal Operator		
(a) Name	SHAWN O SMITH		Name	NONE	
· '	268 BIG STARR LANE		Address		
Address	MAYSVILLE, WV 26833			- 11 70 1	4:_m
(L) Nome	KARI L EVANS		(b) Coal Ow	ner(s) with Declara	.01011
(b) Name	1130 HIGH KNOB FARM	A ROAD	Name	NONE	
Address	MAYSVILLE, WV 26833		Address		
			Name		
(c) Name			Address		
Address			_	-	
			(c) Coal Less	see with Declaratio	n RECEIVED
6) Inspector	GAYNE J KNITOWSKI		Name	NONE	Office of Oil and Gas
Address	601 57TH STREET SE		— Address	-	
	CHARLESTON WV 253	04	Addiess		SEP 4 2024
Telephone	304546-8171				
Take notice accompany Protection,	ou are not required to take a that under Chapter 22-6 of ing documents for a permit with respect to the well at tation, and the plat have bee umstances) on or before the	f the West Virginia Coc to plug and abandon a the location described o	on the attached Application or certified mail or deli	operator proposes to file or less of the or less of Oil and Gas, We are and depicted on the attackered by hand to the personant of the persona	has filed this Notice and Application and st Virginia Department of Environmental thed Form WW-6. Copies of this Notice, on(s) named above (or by publication in
		XXX 13 O	CHESAPEAKE APP	ACHIA IA.C / .	
			KERI FIENO	11 Lune	9
emmonwealth of Penns	sylvania - Notary Seal	By:	REGULATORY SPECI	ALIST	
Cernmonwealth of Pennsylvania Carla M. Harris, Notary Public Bradford County		165.			
Bradtord	os October 22, 2026	Address	OKLAHOMA CITY, OK	73154-0496	
My commission expire Commission nut	mber 1286242	M. I. hono	405-766-8791		
Commission nui Member, Pennsylvania	Association of Notariés	Telephone	400 120 070		
Subscribed and	sworn before me th		ay of Augus	Notary Pub	olic
My Commission	Expires Octo	Har 22,200	30		
Oil and Gas Priva					number as a part of our

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 depurivacyoffier@wv.gov.

Shown SM 4h	4702300012
268 Big Storr LN.	Office Of Oil and Gas
Marerilla 11/2 26833	SEP 0 3 2024
Maysville Wu 26833 304-749-8867	WV Department of Environmental Protection
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DOLLY Evans 1 2513	The street of th
	The second secon
Union District	
Grant County WV	
	Amerikangan kacar se sebenamakan darah mendi berah-mada mengi 350 mpat sasamura mpaji jaki anan darah babbi. Baptanj
There are two sink holes	on this
Well pad I would like fi	xed and
any future 5.nk holes as	well
	- Ann Pala San Land Language (1995) - Ann Ann Ann Language (1995) - Ann Ann Ann Ann Ann Ann Ann Ann Ann A
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	SEP 4 2024
	WV Department of Environmental Protection
	Environmental Protection
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	ينيك والربطية كا ند بودال مر والمساعدة الليان بني فيناه إسطاعة المائمة المنطقة والمساعدين الواحد التوسطة
	inn kannada di University para Kalamanian pakalapita pika kadaman napata manan ma nya sidilika kannya n
	09/13/2024

