



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, April 8, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

CHESAPEAKE APPALACHIA, L.L.C.
6100 N. WESTERN AVE.
OKLAHOMA CITY, OK 73118

Re: Permit approval for 1932
47-023-00007-00-00

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: 1932
Farm Name: EAST DOLLY SODS #2
U.S. WELL NUMBER: 47-023-00007-00-00
Vertical Plugging
Date Issued: 4/8/2022

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4702300007P

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.

04/08/2022

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WW-4B
Rev. 2/01

- 1) Date January 31, 2022
- 2) Operator's
Well No. East Dolly Sods 2 1932
- 3) API Well No. 47-023 - 00007

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil ____ / Gas / Liquid injection ____ / Waste disposal ____ /
(If "Gas, Production or Underground storage ____) Deep / Shallow ____
- 5) Location: Elevation 2705.65' Watershed High Ridge Run
District Milroy County Grant Quadrangle Hopeville
- 6) Well Operator Chesapeake Appalachia LLC 7) Designated Agent Eric Haskins - Manager Reg Ops
Address PO Box 18496 Address 14 Chesapeake Lane
Oklahoma City, OK 73154 Sayre, PA 18840
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne J. Knitowski Name Plants and Goodwin Inc
Address 601 57th Street SE Address 360 High Street
Charleston, WV 25304 Bradford, PA 16701

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

See attached

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APR 1 2022
WV Department of
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Gayne Knitowski Date 2/16/2022

Digitally signed by Gayne Knitowski
Date: 2022.02.16 08:33:17 -0500

04/08/2022

CHESAPEAKE

ENERGY

East Dolly Sods 2 1932
 Property Number: 821239
 AFE#: 1010393
 WO#: 4000478998
 AFE Estimate: \$604630

Reason for P&A:

The EAST DOLLY SODS 2 1932 well in Grant County, West Virginia will be plugged and abandoned. This well is on federal land. Chesapeake has agreed to P&A this well in accordance to the request of the WV DEP. No future potential remains in this wellbore.

Summary:

The East Dolly SODS 2 1932 has a first production date of 6/10/1985. The P&A will consist of pulling 2-3/8" tubing and a CIBP will be set above the top perf. A cement plug will be set in the 5-1/2" casing and CBL will be run to find TOC behind 5-1/2" casing and cut pipe 100' above and pull same. A cement plug will be set in 9-5/8" casing above cut pipe. CBL will be run again in 9-5/8" casing to verify TOC at surface and remediate if needed. There will be a final cement plug set at surface after ensuring no annular gas exists. During the job, please attempt to pull all free pipe if unable to POOH at a minimum of 1-1.5x string weight.

Plan Going Forward:

NOTE: Two barriers are required through the course of this work. Please reference Chesapeake Barrier Standard and consult Superintendent, Foreman, and Engineer if you have any questions or concerns.

1. MIRU WOR & Equipment.
2. Kill well with water. ND well head and NU 7 1/16" 5K double ram BOP.
3. POOH with 8397' of 2 3/8" tubing.
4. RU wireline and run gauge ring to 8380' RIH with CIBP and set at 8380'.
5. TIH with work string to top of CIBP.
6. Load hole with fresh water (capacity of 5 1/2" casing is 185 bbls). Pump 89 bbls of gel water followed by 12 bbls (57 sacks) of Class H neat cement from 8370' to 7970'. Displace cement with 30 bbls fresh water. POOH/WOC. Monitor 5 1/2" for pressure build overnight.
7. RU wireline, tag cement plug at ~7970'. Run CBL on 5 1/2" casing to find TOC behind pipe. Use a jet cutter to cut the 5 1/2" ~100' above TOC.
8. POOH with 5 1/2" casing (Calculated free pipe is approximately 3900').
9. TIH with tubing to 5 1/2" stub. Pump 242 bbls of gel water followed by 30 bbls (143 sacks) of Class H neat cement (Estimated plug depth is 3900' to 3500'). Displace cement with 13 bbls fresh water. POOH/WOC. Monitor pressure build on 9 5/8" casing.
10. RU wireline, Tag cement plug at ~3500'. Run CBL on 9 5/8" casing to verify TOC is at surface. Be prepared to jet cut 9 5/8" if un-cemented pipe exists or to perforate 9 5/8" casing. If no annular gas issues, proceed to step 11.
11. TIH with tubing to 400' and pump 30 bbls (143 sacks) of Class H neat cement from 400' to 0'.
12. RDMO.

13. SET MONUMENT PER WV CODE.

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gwm

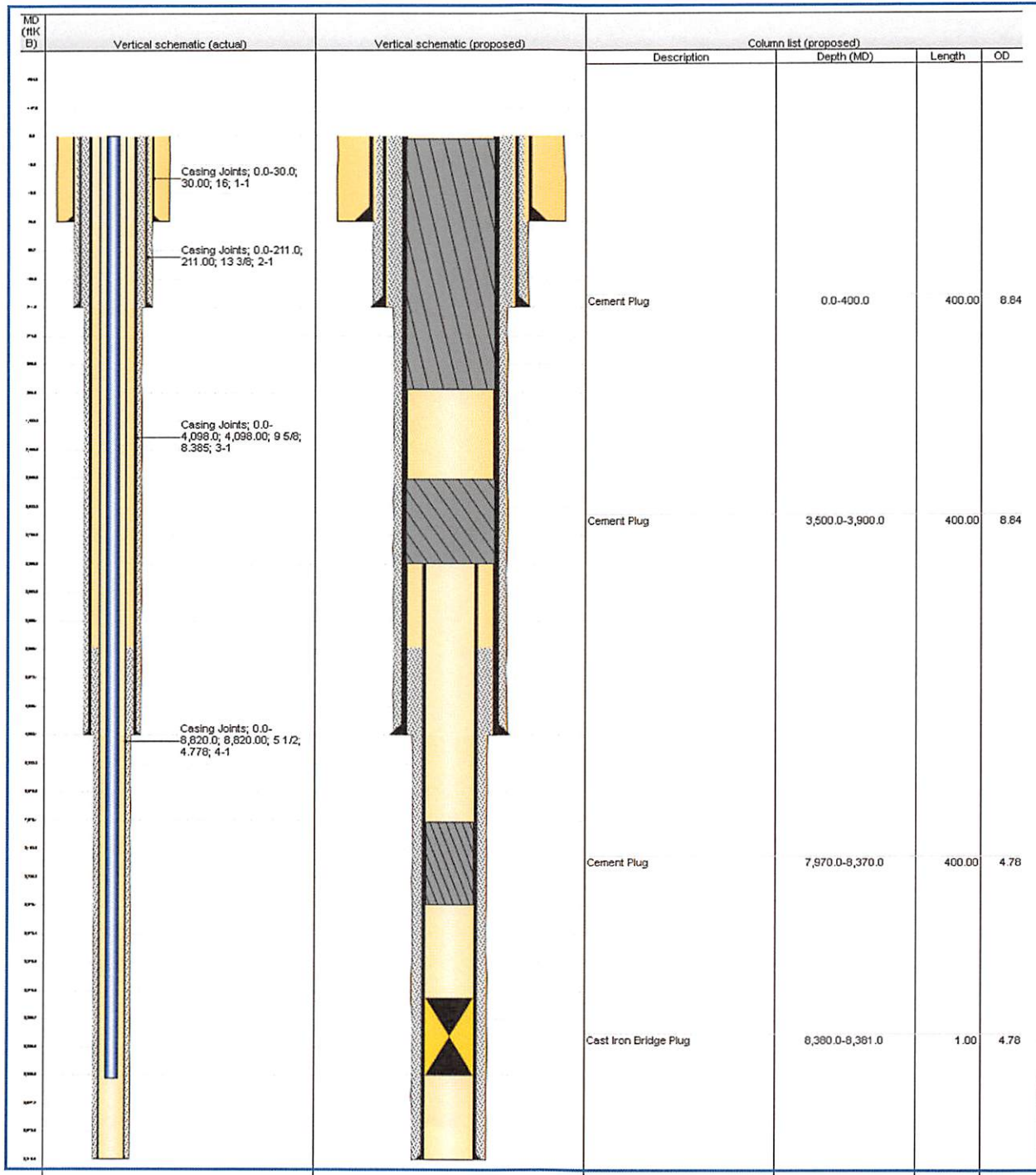
04/08/2022

4702300007P

Classification: DCL-Internal



RKB	Variable
KOP	N/A
Depth of Top Perf	8,410'
Cement Yield	1.17 cu.ft/sk
Density	15.6 ppg



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04/08/2022

4702300007P

Classification: DCL-Internal



RKB	Variable
KOP	N/A
Depth of Top Perf (MD)	8,410'
Cement Yield	1.17 cu.ft/sk
Density	15.6 ppg

Casing Detail										
String	OD (in)	ID (in)	Weight (lbs./ft)	Grade	Casing Cap (bbl/ft)	Annular Cap (bbl/ft)	Top (ft-MD)	Btm (ft-MD)	TOC	Hole Size
Conductor	16		Unknown	Unknown			0	211	Surface	
Surface	13.375		Unknown	Unknown			0	211	Surface	
Intermediate	9.625		Unknown	Unknown			0	4,098	Surface	
Production	5.5		Unknown	Unknown			0	8,820	3903	

Tubing Design					
Item/No	OD (in)	ID (in)	Description	Length (ft)	Depth (ft-MD)
2-3/8" Tubing	2.375	1.995	-258 Joints	32.5	8,397

Estimated Plug Set Depths and Cement Needed							
Item	Plug Height	Top of Plug	Bottom of Plug	Cement Type	% Excess Cmt	Cement Sacks	Displacement Volume (BBL)
Plug 1	400'	7,970'	8,370'	Class H	0%	44	30
Plug 2	400'	3,500'	3,900'	Class H	0%	148	13
Plug 3	400'	0'	400'	Class H	0%	143	0
Plug 4							
Plug 5							
Plug 6							
Plug 7							
Plug 8							
Plug 9							
Plug 10							

Plugging Details						
Plug #	Depth Code	Depth	Csg or Open Hole?	Peferate?	Cmt Behind Csg	
Plug 1	CIBP	8,380'	Csg	N/A	Yes	
Plug 2	5-1/2" Casing Plug	7,970'	Csg	N/A	3909'	
Plug 3	9-5/8" Casing Plug	3,500'	Csg	N/A	Yes	
Plug 4	9-5/8" Surface Plug	0'	Csg	N/A	Yes	
Plug 5						
Plug 6						
Plug 7						
Plug 8						
Plug 9						
Plug 10						

Please Note: All gel spacers between plugs will exceed 9 ppg

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04/08/2022



IV-35
(Rev 8-81)

RECEIVED
AUG 31 1984

OIL AND GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date 08/22/84
Operator's
Well No. 2 - 1932
Farm East Dolly Sods #2
API No. 47 - 023 - 0007

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

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

LOCATION: Elevation: 2705.65' Watershed High Ridge Run
District: Milroy County Grant Quadrangle Hopeville

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COMPANY UNION DRILLING, INC.

APR 1 2022

ADDRESS P. O. Drawer 40, Buckhannon, WV 26201

DESIGNATED AGENT Joseph C. Vanzant, Jr.

ADDRESS P. O. Drawer 40, Buckhannon, WV 26201

SURFACE OWNER United State of America
c/o U.S. Forest Service, P. O. Box 1548
ADDRESS Elkins, WV 26241

MINERAL RIGHTS OWNER See Page 2

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Philip
Forest Festival Terrace
Tracy ADDRESS Apt. #24, Elkins, WV 26241

PERMIT ISSUED January 23, 1984

DRILLING COMMENCED 04/14/84

DRILLING COMPLETED 05/31/84

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill Cu. Ft.
Size 20-16 Cord.		30'	
13-10"		211'	189 cf
9 5/8	4098.67'	4098.67'	1883.5cf
8 5/8			
7			
5 1/2		8881.18'	1243.2 cf
4 1/2			
3			
2		8397.34'	
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Depth 8820 feet

Depth of completed well 8820 feet Rotary x / Cable Tools _____

Water strata depth: Fresh 276 feet; Salt _____ feet

Coal seam depths: None Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth _____ feet

Gas: Initial open flow 301 Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 933 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests ? hours

Static rock pressure 3000 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

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GRANT 0007

04/08/2022

FORM IV-35
(PEVEPSE)

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

On 08/13/84 Fractured at 8410/15, 8426/27, 8434/35, 8531/32, 8536/39, 8577/78 with 2412 sks. sand, and 2620 BBL treated fluid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	8084	At 276 1/4" water
Purcell Limestone			8084	8197	
Lower Marcellus			8197	8227	
Tioga			8227	8232	
Needmore Shale			8243	8408	
Oriskany Sandstone			8408	8608	
Helderberg Limestone			8608	TD	
					<u>MINERAL RIGHTS OWNERS</u> (2) tracts of Unit U. S. of A. c/o U. S. Forest Service P. O. Box 1548 Elkins, WV 26241 (1) tract of Unit Oather H. & Hazel Heavner Route #1, Box 243 Maysville, WV 26833

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(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

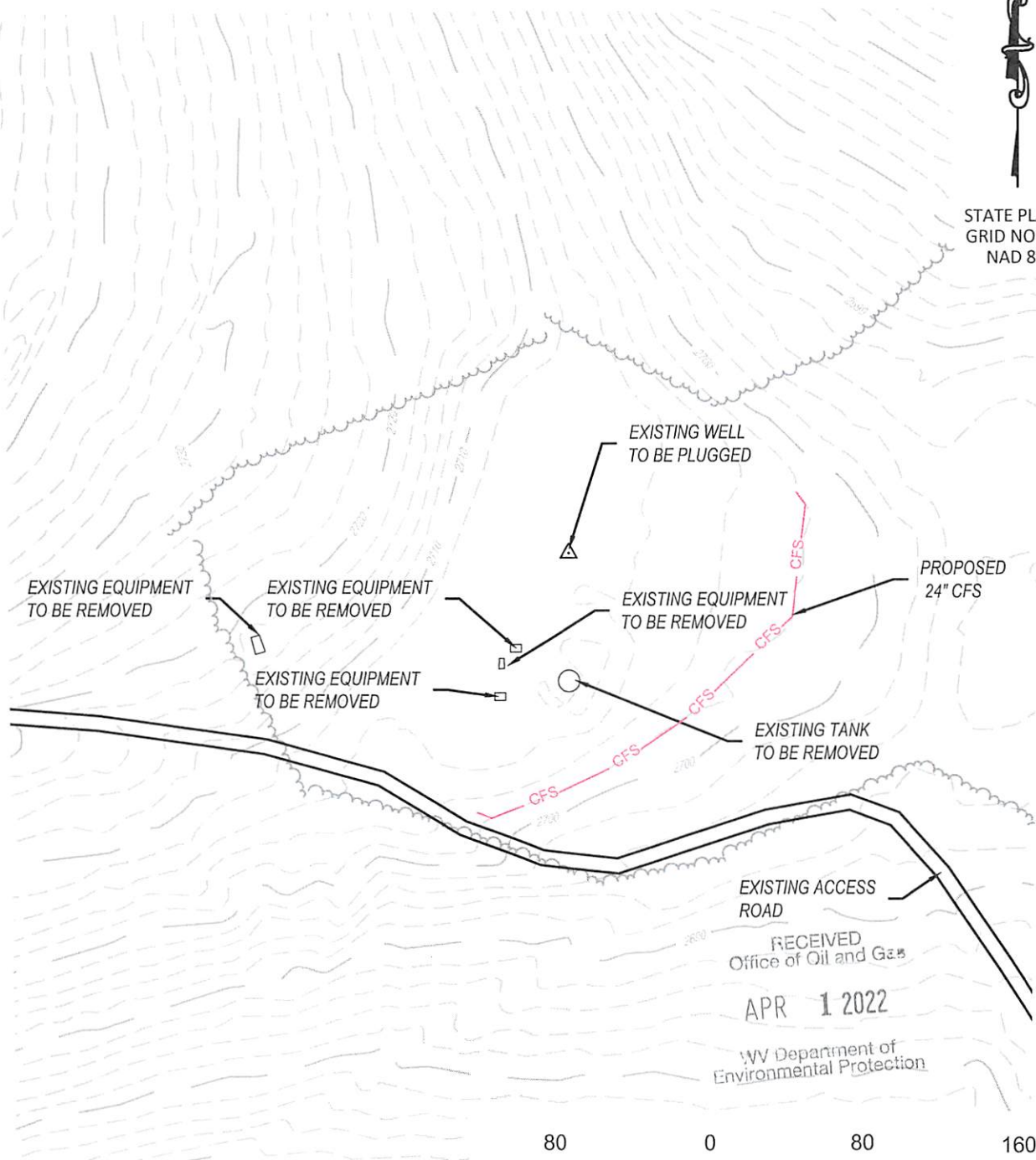
By: Joseph C. Petty
Date: 08/22/84 Joseph C. Petty, Vice President of Production

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 all encountered in the drilling of a well."

04/08/2022



STATE PLANE
GRID NORTH
NAD 83



SCALE IN FEET

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

EAST DOLLY SODS 2 1932
SITE RECLAMATION
API# 47-023-00007
FOR
CHESAPEAKE ENERGY
LOCATED IN
GRANT COUNTY, WEST VIRGINIA

SITE PLAN

LEGEND

- EXISTING CONTOUR -1500-
- EXISTING TREE LINE
- EXISTING ACCESS ROAD EDGE
- WELLHEAD
- COMPOSITE FILTER SOCK -CFS-

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DATE	FINAL	REV	02/04/2022	NO.	1
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WW-4A
Revised 6-07

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APR 7 2022

WV Department of
Environmental Protection

1) Date: 1/31/2022
2) Operator's Well Number
East Dolly Sods 2 1932

3) API Well No.: 47 - 023 - 00007

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>United States of America, c/o US Forest Service</u>	Name _____
Address <u>PO Box 1548</u>	Address _____
<u>Elkins, WV 26241</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>United States of America c/o US Forest Service</u>
_____	Address <u>PO Box 1548</u>
(c) Name _____	<u>Elkins, WV 26241</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Gayne J Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>601 57th Street SE</u>	Name _____
<u>Charleston WV 25304</u>	Address _____
Telephone <u>304-546-8171</u>	_____

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APR 6 2022

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents from the WV Department of Environmental Protection

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Chesapeake Appalachia LLC
 By: Keri Fieno keri.fieno@bhk.com
 Its: Regulatory Specialist
 Address PO Box 18496
Oklahoma City, OK 73154-0496
 Telephone 405-766-8791 - Keri.fieno@bhk.com

Subscribed and sworn before me this 6th day of APRIL, 2022
Kyle Bradley Notary Public
My Commission Expires 7/18/22

Oil and Gas Privacy Notice

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

04/08/2022

Keri Fieno

From: AFMSS <blm-afmss-notifications@blm.gov>
Sent: Thursday, February 10, 2022 10:27 AM
To: Keri Fieno
Subject: [EXTERNAL] Well Name: E DOLLY SODS, Well Number: 2 (1932), Notification of Sundry Received

The Bureau of Land Management**Notice Of Intent Receipt**

- Operator Name: CHESAPEAKE APPALACHIA LLC
- Well Name: E DOLLY SODS
- Well Number: 2 (1932)
- US Well Number: 4702300007
- Sundry ID: 2656463

The BLM received your Notice Of Intent, Plug and Abandonment sundry on 02/10/2022. This is to notify you that we are processing your sundry.

You may contact the field office if you have any questions.

If we need more information we will contact you. Thank you.

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

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APR 1 2022

WV Department of
Environmental Protection

4702300007P

WW-9
(5/16)

API Number 47 - 023 - 00007
Operator's Well No. East Dolly Sods #2 1932

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

Operator Name Chesapeake Appalachia OP Code 2528

Watershed (HUC 10) High Ridge Run Quadrangle Hopeville

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

ANY WELL EFFLUENT WILL BE CONTAINED IN TANKS AND DISPOSED OFFSITE. JWM

If so, please describe anticipated pit waste:

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

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WV Department of Environmental Protection

Will closed loop system be used? If so, describe: Drill cuttings will be circulated back into an open tank

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

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

Additives to be used in drilling medium? None

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

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

-Landfill or offsite name/permit number? Kimble Sanitary Landfill or Mud Masters

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

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

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

Company Official Signature Keri Fieno

Company Official (Typed Name) Keri Fieno

Company Official Title Regulatory Specialist

Subscribed and sworn before me this 2ND day of MARCH, 20 22

Kyle Bradley Notary Public

My commission expires 7/10/22



04/08/2022

Proposed Revegetation Treatment: Acres Disturbed 9.5 Prevegetation pH _____

Lime 3.90 Tons/acre or to correct to pH 7

Fertilizer type 8-16-16

Fertilizer amount 968 lbs/acre

Mulch 3 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Oats/Annual Rye 40lbs/acre

Birdsfoot Trefoil 8lbs/acre

Hay/Straw Mulch 3 Tons/Acre

Tall Fescue 40lbs/acre

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Gayne Knitowski Digitally signed by Gayne Knitowski
Date: 2022.02.16 09:31:08 -0500

Comments: _____ RECEIVED
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Reclaim site ASAP _____
_____ WV Department of
Environmental Protection

Title: Inspector Date: 2-16-2022

Field Reviewed? () Yes () No

RECOMMENDED PERMANENT SEEDING MIXTURE
FOR ALL DISTURBED AREAS

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

MULCHING

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

HYDROSEEDING SPECIFICATION

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

APPROXIMATE TACK COAT

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

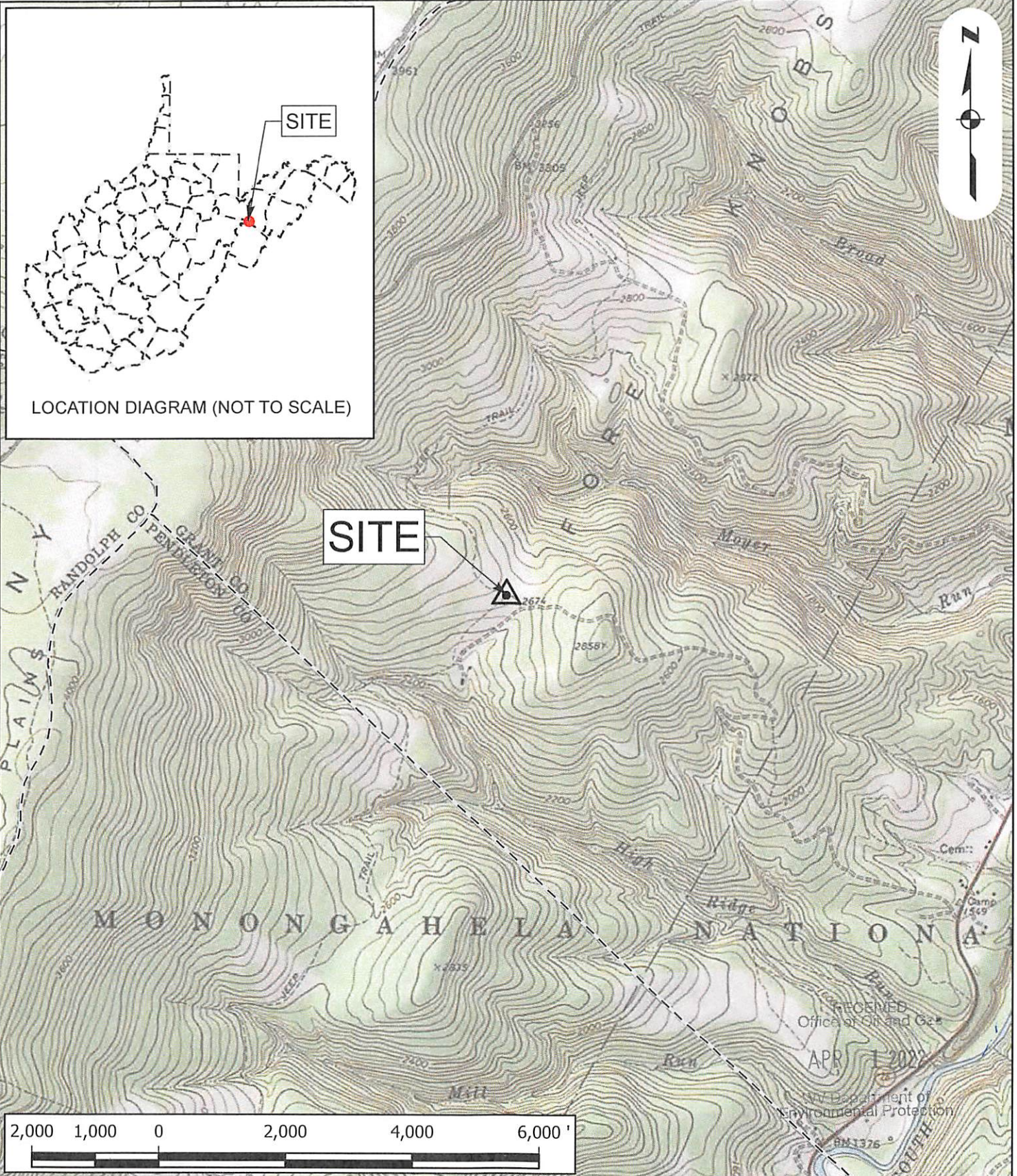
MAINTENANCE AND GUARANTEE

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 RESEEDDED 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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APR 1 2022

WV Department of
Environmental Protection



<p>USGS LOCATION MAP PREPARED FOR East Dolly Sods 2 Site GRANT COUNTY, WEST VIRGINIA HOPEVILLE USGS QUAD</p>	PROJECT -	EAST DOLLY SODS2	
	DATE -	2/7/2022	
	SCALE -	1" = 2,000'	
	DRAWN -	JKANE	
	FILE -	USGS_LOCATION_MAP.mxd	

(844) 542-4757
 04/08/2022

4702300007P

WW-7
8-30-06



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

API: 47-023-00007 WELL NO.: 2-1932

FARM NAME: East Dolly Sods

RESPONSIBLE PARTY NAME: Chesapeake Appalachia LLC

COUNTY: Grant DISTRICT: Milroy

QUADRANGLE: Hopeville

SURFACE OWNER: United States of America

ROYALTY OWNER: United States of America

UTM GPS NORTHING: ~~38.9543423~~ 4313049 N } UTM 17, NAD 83 *gmm*

UTM GPS EASTING: ~~79.330576~~ 644712 E GPS ELEVATION: 2705 2709'

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

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

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4. Letter size copy of the topography map showing the well location.
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.
Kevin Leno Regulatory Specialist 1/31/2022
Signature Title Date

04/08/2022

11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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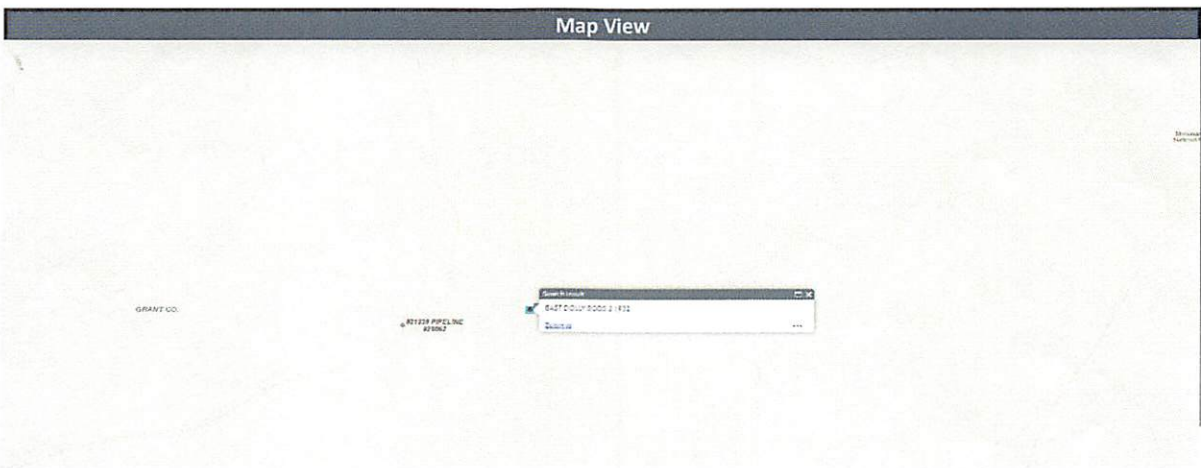
WV Department of
Environmental Protection

04/08/2022



Well Information	
Well Name	East Dolly Sods 2 1932
Location	West Virginia
Formation	Oriskany
PN#	821239
AFE#	1010393
WO#	4000478998
WBS	PA-1082123900-01
API#	4702300007
Latitude	38.9543423
Longitude	-79.3300576

Contact Information			
Title	Name	E-mail	Phone
Production Engineer	JJ Kim	jj.kim@chk.com	405-596-0720
Production Engineer (Secondary)			
Production Manager	John Van Gels	john.vangels@chk.com	(636) 448-1104
Production Supervisor	Keeley Bergman	keeley.bergman@chk.com	(918) 991-5520
Production Superintendent	Chris Sprute	chris.sprute@chk.com	318-771-2769
Workover Foreman	Lucas Welch	lucas.welch@chk.com	(570) 423-4236
Regulatory Manager	Eric Haskins	eric.haskins@chk.com	(607) 242-3839
DEP Contact	Jeffrey. W. McLaughlin	Jeffrey.W.McLaughlin@wv.gov	(304) 926-0440
BLM Contact	Trey Mitchell	tmitchell@blm.gov	(414) 297-4438



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 WV Department of
 Environmental Protection



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permit API: 47-023-00007)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Fri, Apr 8, 2022 at 12:44 PM

To: keri.fieno@bhk.com, Ralph Layton <rlayton@assessor.state.wv.us>, "Gayne J. Knitowski" <gayne.j.knitowski@wv.gov>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-023-00007 - EAST DOLLY SODS 2 - 1932

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304


(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

 **IR-8 Blank.pdf**
233K

 **47-023-00007 - Copy.pdf**
3857K

04/08/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Fwd: Plugging Vertical Well Work Permit API: 47-023-00007)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>
To: kerifieno@chk.com

Fri, Apr 8, 2022 at 1:08 PM

----- Forwarded message -----

From: **Stansberry, Wade A** <wade.a.stansberry@wv.gov>
Date: Fri, Apr 8, 2022 at 12:44 PM
Subject: Plugging Vertical Well Work Permit API: 47-023-00007)
To: <kerifieno@bhk.com>, Ralph Layton <rlayton@assessor.state.wv.us>, Gayne J. Knitowski <gayne.j.knitowski@wv.gov>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-023-00007 - EAST DOLLY SODS 2 - 1932

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry**Environmental Resource Specialist 3****West Virginia Department of Environmental Protection****Office of Oil & Gas****601 57th St. SE****Charleston, WV 25304****(304) 926-0499 ext. 41115****(304) 926-0452 fax****Wade.A.Stansberry@wv.gov**

2 attachments **IR-8 Blank.pdf**
233K **47-023-00007 - Copy.pdf**
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