



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Monday, December 14, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

VIKING INTERNATIONAL RESOURCES CO., INC.
125 PUTNAM STREET
MARIETTA, OH 45750

Re: Permit approval for 8
47-085-00677-00-00

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: 8
Farm Name: NUTTER, M. B.
U.S. WELL NUMBER: 47-085-00677-00-00
Vertical Plugging
Date Issued: 12/14/2020

Promoting a healthy environment.

I

47-085-00677P

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. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

1) Date September 22, 2020
2) Operator's
Well No. Nutter, M.B. #8
3) API Well No. 47-085 - 06677

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

5) Location: Elevation 838' GL Watershed _____
District Clay County Ritchie Quadrangle Pullman

6) Well Operator VIRCO 7) Designated Agent Will Harless
Address 125 Putnam Street Address 184 Links Way
MARIETTA, OHIO 45750 Ripley, WV 25271

8) Oil and Gas Inspector to be notified Name Michael Goff
Address 1723 Auburn Road
Pullman, WV 26421
9) Plugging Contractor Name Unknown
Address _____

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

RECEIVED
Office of Oil and Gas
OCT 01 2020
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 Michael Goff Date 9-29-20

Plug to Abandon Procedure

Well Name: M.B. Nutter #8
API : 47-085-00677

Well Casing Record:

10"- 180 ft. Pulled

8 ¼"- 811 ft. Pulled

6 5/8"- 1239 ft. Left in well

2"- 1640 ft.

TD: 1640 ft.

- 1) MIRU plugging rig and support equipment.
- 2) Pull sucker rods and tubing if present in well. Check TD with cable tools.
Note: If TD is significantly shallower or deeper than reported depth notify WVDEP inspector.
- 3) TIH with tubing and set bottom cement plug from TD – 1500 ft. (MINIMUM PLUG IS 100' CLASS A CEMENT)
- 4) TOOH with tubing and pump cement plug from 1290 ft – 1190 ft. TOOH with tubing above cement top and WOC. Tag cement top at 1190 ft. Reset plug if needed. **NOTE: 6% gel will be placed in wellbore between all cement plugs**
- 5) TOOH with tubing. Find free point of intermediate casing and rip/cut casing (estimate free point at 700 ft.- 800 ft.) and pull a few joints of casing.
- 6) TIH with tubing and set cement plug from 850 ft. – 750 ft. across the casing cut. TOOH with tubing. Pull remaining 6 5/8" casing
- 7) TIH with tubing to 500 ft. Set cement plug from 500 ft. – 400 ft.. TOOH with tubing to 100 ft. Set cement plug from 100 ft. – surface. TOOH with tubing (CORL)
- 8) Top off cement if needed and erect monument with ID #
- 9) RDMO plugging equipment and reclaim to WVDEP requirements.

00-18

(1118)

H. B. Nutter

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. *677-Pit*

Oil or Gas Well
(Kind)

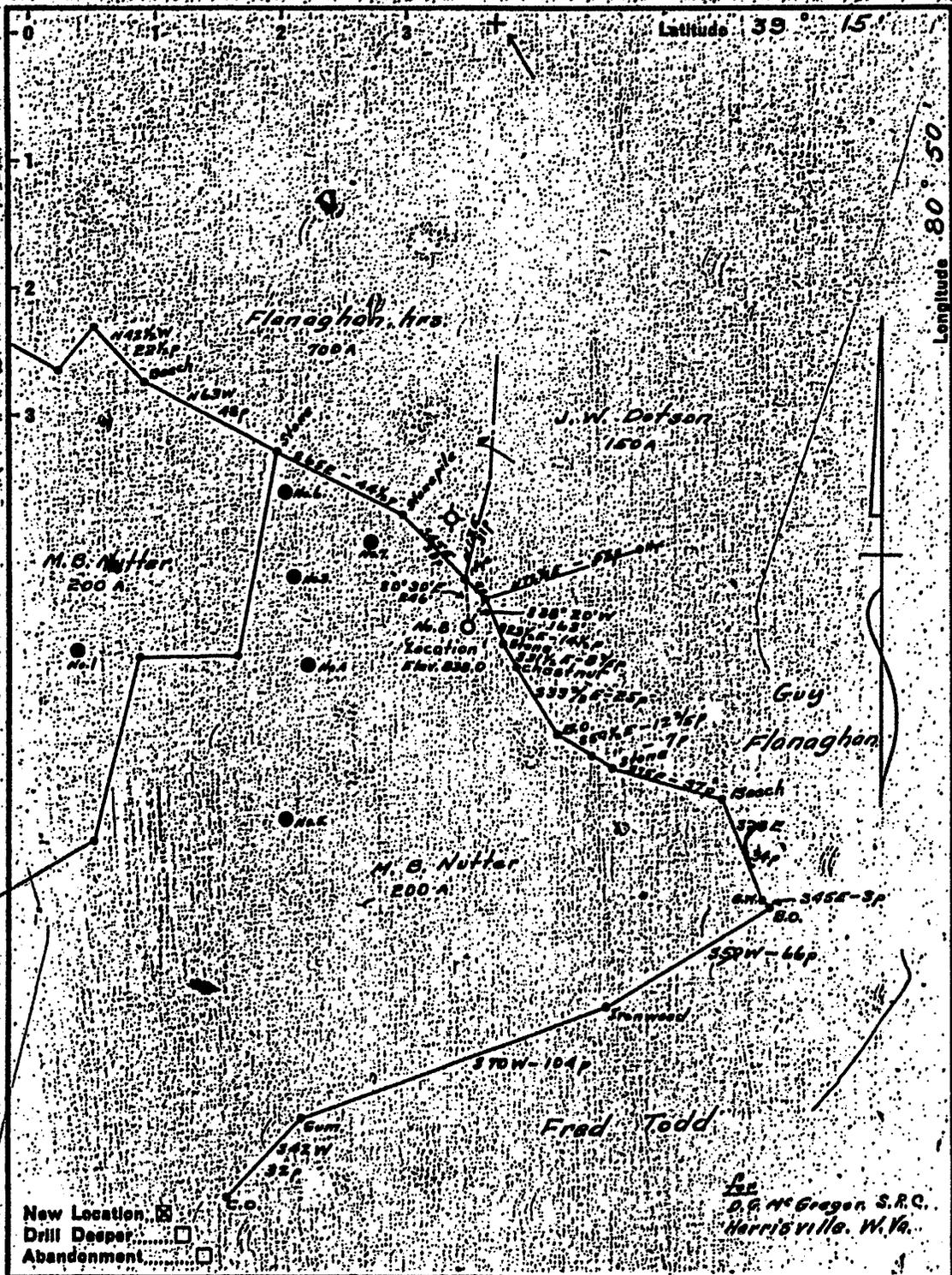
Company *Blair F.M. Danner*
 Address *1201-Buckhite Ave. Parkersburg*
 Farm *W. B. Nutter* Acres *4.6*
 Location (waters) *1-1/2 mi. River*
 Well No. *9* Elev. *842*
 District *Clay* County *Pitkin*
 The surface of tract is owned in fee by *W. B. Nutter*
Deceased Address *W. Va*
 Mineral rights are owned by *W. B. Nutter*
Deceased Address *W. Va*
 Drilling commenced *April-1937*
 Drilling completed *Nov. 16-1937*
 Date shot *None* Depth of shot _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls. at 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water *None* _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Pack
12			<i>Bottom hole</i>
10	<i>180</i>		Size of <i>1-3/8</i>
8 1/2	<i>211</i>		
6 5/8	<i>1239</i>	<i>1239</i>	Depth set
5 3/8			<i>1239 ft</i>
4			Perf. top
2	<i>1640</i>	<i>1640</i>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED	SIZE	No. FT.	Date
COAL WAS ENCOUNTERED AT			
FEET	INCHES	FEET	INCHES
FEET	INCHES	FEET	INCHES
FEET	INCHES	FEET	INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
<i>Sand</i>	<i>Brown</i>	<i>Hard</i>	<i>182</i>	<i>209</i>			
<i>Coal</i>	<i>Black</i>	<i>raft</i>	<i>462</i>	<i>470</i>			
<i>Dunkard</i>	<i>red</i>	<i>"</i>	<i>920</i>	<i>937</i>			
<i>Gas sand</i>	<i>Brown</i>	<i>Hard</i>	<i>958</i>	<i>994</i>			
<i>1. Salt Sand</i>	<i>white</i>	<i>"</i>	<i>1219</i>	<i>1244</i>			
<i>2</i>	<i>"</i>	<i>"</i>	<i>1283</i>	<i>1361</i>			
<i>3</i>	<i>"</i>	<i>"</i>	<i>1517</i>	<i>1522</i>			
<i>Straymond</i>	<i>Brown</i>	<i>"</i>	<i>1578</i>	<i>1603</i>	<i>1668</i>		
<i>Wayton</i>	<i>"</i>	<i>"</i>	<i>1606</i>	<i>1640</i>	<i>1673</i>		
		<i>Bottom hole</i>		<i>1640</i>	<i>through sand</i>		





Company Glen F. McBurney
 Address C/O W.H. Stevens, Evansboro, W. Va.
 Farm M. B. Nutter
 Tract _____ Acres 200 Lease No. _____
 Well (Farm) No. B Serial No. _____
 Elevation (Spirit Level) 830
 Quadrangle Halbrook
 County Fitchie District Clay
 Engineer Oil Barndart
 Engineer's Registration No. Surveyor
 File No. _____ Drawing No. _____
July 3, 1938 Scale 1" = 40'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Rit-677
 * Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing.

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

(REQUIRED BY SECTION 2, CHAPTER 22, CODE 1931)

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS SECTION

To THE DEPARTMENT OF MINES,
Charleston, W. Va.

NOTE

COAL OPERATOR OR COAL OWNER: Glen F. Mc Rurley
NAME OF WELL OPERATOR: 1201 Berkshire Ave.
Pittsburg, Pa.
ADDRESS: _____ COMPLETE ADDRESS: _____

COAL OPERATOR OR COAL OWNER: _____
ADDRESS: _____
DATE: 5 July 5th, 1938
PROPOSED LOCATION: _____

COAL OPERATOR OR COAL OWNER: _____
ADDRESS: _____
DISTRICT: CLAY
COUNTY: HITCHIE

OWNER OF MINERAL RIGHTS: Greenwood, W. Va.
ADDRESS: _____
WELL NO.: 8 39' 15" 80' 50" 2122
FARM: Mc B. Nutter

GENTLEMEN:
The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated November 26th, 1936 made by Mc B. Nutter to Glen F. Mc Rurley and recorded on the 2nd day of December, 1936 in the office of the County Clerk for said County in Book 65 page 594

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)
Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective addresses ~~by registered mail~~ or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

Glen F. Mc Rurley
WELL OPERATOR
1201 Berkshire Ave
STREET
Pittsburg,
CITY OR TOWN
Pa
STATE

Send permit to W. H. Stephan
Pennsboro, N. Va.
Address of Well Operator



If no such objections be filed, or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

6/10/38

M.B. Nathly #8



Select County: (085) Ritchie Select datatype: (Check All)

Enter Permit #: 00577

Get Data Reset

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Value Logs Stim Hole Log

Table Description
 County/Coastal/Trust/Lease
 Permit Number/Status
 Lease Status
 Contact Information
 Declines
 WVGES Map
 Production/Status/Now

WV Geological & Economic Survey: Well: County = 85 Permit = 00677 Report Time: Friday, October 23, 2020 9:02:17 AM

Location Information: View Map

API	COUNTY	PERMIT	TAX DISTRICT	QUAD_75	QUAD_15	LAT_DD	LONG_DD	UTME	UTMN
4708500677	Ritchie	877	Clay	Pulman	Holtrop	39.247892	-80.900846	504555.8	4344290.7

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
4708500677	11/4/1937		Disposal Loc. Completed	ASB/Wellco						McBurney, Glen F.			

Completion Information:

API	CMP_DT	SPUD_DT	ELEV DATUM	FIELD	DEEPEST_FM	DEEPEST_FMI	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHQ	TVD	TMD	NEW_FTG	KOD	G_BEF	O_AFT	O_BEF
4708500677	11/4/1937	11/4/1937	44	392 Ground Level	Greenwood	Maxton	Maxton	Development Well	Development Well	Wak	Oil	unknown	NA/OPEN	1540		0	0	0

Pay/Show/Value Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_DNTY
4708500677	11/4/1937	Pay	Oil	Vertical			1623	Maxton	0	0			

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708500677	Ritchie Petroleum Corp., Inc.	1991													
4708500677	Ritchie Petroleum Corp., Inc.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Ritchie Petroleum Corp., Inc.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	1994													
4708500677	Ritchie Petroleum Corp., Inc.	1994													
4708500677	Night Owl Well Service	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Gedco Oil & Gas Joint Venture	1999	543	310	32	35	38	37	32	31	31	0	0	0	0
4708500677	Night Owl Well Service	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2010	3	3	0	0	1	0	0	0	0	1	0	0	1
4708500677	Viking International Resources Co., Inc.	2011	16	3	1	1	0	1	1	2	1	1	1	2	2
4708500677	Viking International Resources Co., Inc.	2012	13	1	1	1	2	2	1	3	0	0	2	0	0
4708500677	Viking International Resources Co., Inc.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2016	13	5	0	0	0	0	0	0	0	0	7	0	0
4708500677	Viking International Resources Co., Inc.	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2019	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708500677	Ritchie Petroleum Corp., Inc.	1991	41							27					
4708500677	Ritchie Petroleum Corp., Inc.	1992	41	0	0	13	0	0	14	0	0	0	0	14	0
4708500677	Ritchie Petroleum Corp., Inc.	1993	41	13	0	0	0	14	3	0	0	0	0	14	0
4708500677	Night Owl Well Service	1994	7												7
4708500677	Ritchie Petroleum Corp., Inc.	1994	13					13							
4708500677	Night Owl Well Service	1995	2	1	1	1	1	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	1996	4	1	1	1	1	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Gedco Oil & Gas Joint Venture	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Night Owl Well Service	1999	6	0	0	0	0	0	0	0	0	0	0	0	6
4708500677	Night Owl Well Service	2001	12	1	1	1	1	1	1	1	1	1	1	1	1
4708500677	Night Owl Well Service	2002	38	3	3	3	3	3	3	3	3	3	3	3	3
4708500677	Night Owl Well Service	2003	13	0	0	0	0	0	0	0	0	0	0	0	13
4708500677	Night Owl Well Service	2004	28	0	0	0	0	0	0	0	0	0	0	0	28
4708500677	Viking International Resources Co., Inc.	2005	55	0	0	0	0	0	33	0	0	0	53	0	0
4708500677	Viking International Resources Co., Inc.	2006	72	0	0	0	35	0	0	0	37	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2007	97	0	0	0	0	69	0	0	29	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2008	69	0	0	0	0	0	0	62	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2010	44	0	0	0	0	44	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2011	71	0	0	0	0	0	0	0	0	0	71	0	0
4708500677	Viking International Resources Co., Inc.	2012	43	0	0	0	43	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2013	48	0	0	0	0	0	0	0	0	0	48	0	0
4708500677	Viking International Resources Co., Inc.	2014	107	40	0	0	0	0	0	0	58	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2015	191	0	0	41	0	60	0	0	0	10	0	0	0
4708500677	Viking International Resources Co., Inc.	2016	34		34										
4708500677	Viking International Resources Co., Inc.	2017	0												
4708500677	Viking International Resources Co., Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2019	0	0	0	0	0	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708500677	Viking International Resources Co., Inc.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2019	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708500677	Viking International Resources Co., Inc.	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4708500677	Viking International Resources Co., Inc.	2019	0	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV DATUM
4708500677	Original Loc.	2658	CSM. Dinkers Pick	862	Reasonable	8	Reasonable	842 Ground Level
4708500677	Original Loc.	2658	Well Record	858	Reasonable	36	Reasonable	842 Ground Level
4708500677	Original Loc.	211	Sand	1203	Reasonable	36	Reasonable	842 Ground Level
4708500677	Original Loc.	201	Sand	1293	Reasonable	78	Reasonable	842 Ground Level
4708500677	Original Loc.	311	Sand	1357	Reasonable	15	Reasonable	842 Ground Level
4708500677	Original Loc.	311	Maxton	1606	Reasonable	34	Reasonable	842 Ground Level

There is no Wireline (E-Log) data for this well

47-085-00677P

WW-4A
Revised 6-07

1) Date: September 22, 2020
2) Operator's Well Number
Nutter, M.B. #8
3) API Well No.: 47 - 085 - 00677

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>Coastal Lumber Co.</u> ✓	Name <u>N/A</u>
Address <u>5th Street</u>	Address _____
<u>Buckhannon, WV 26201</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Michael Goff</u>	(c) Coal Lessee with Declaration
Address <u>1723 Auburn Road</u>	Name <u>N/A</u>
<u>Pyllman, WV 26421</u>	Address _____
Telephone _____	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

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

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

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

Commonwealth of Pennsylvania - Notary Seal
 Angela L. Knepp, Notary Public
 Centre County
 My commission expires January 23, 2022
 Commission number 1281314
 Member, Pennsylvania Association of Notaries

Well Operator VIRCO
 By: Bruce Carpenter *Bruce Carpenter*
 Its: Senior Manager, Environmental, Health, Safety & Regulatory
 Address 125 Putnam Street
MARIETTA, OHIO 45750
 Telephone 740-868-1324

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 WVD
 Environmental

Subscribed and sworn before me this 22 day of September 2020
Angela L Knepp Notary Public
 My Commission Expires 01/23/2022

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.

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Certified Mail Fee	\$3.55
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SEP 24 2020
09/24/2020

Sent To: Coastal Lumber Co.
Street and: 5th Street
City, State: Buckhannon, WV 26201

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

Operator Name VIRCO OP Code _____

Watershed (HUC 10) _____ Quadrangle Pullman

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

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 OFFSITE LANDFILL (SEE BELOW))

Will closed loop system be used? If so, describe: All flowback materials will be contained in open top pit.

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

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? Fluids will be disposed by contractor/operator at Mud Masters, LLC: See Attachments.

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 Bruce Carpenter

Company Official (Typed Name) Bruce Carpenter

Company Official Title Senior Manager, Environmental, Health, Safety & Regulatory

Commonwealth of Pennsylvania - Notary Seal
Angela L. Knepp, Notary Public
Centre County
My commission expires January 23, 2022
Commission number 1281314
Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 22 day of September, 2020

Angela L. Knepp Notary Public

My commission expires 01/23/2022

Proposed Revegetation Treatment: Acres Disturbed ONE Prevegetation pH 5.5

Lime Two Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 50 Bales 2.5 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Orchard Grass	30%
		Rye(annual @BT)	35%
		Timothy (Climax)	25%
		Clover (Med.Red)	10%

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: Michael Goff

Comments: Reseed & mulch any disturbed areas

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Title: Oil & Gas Inspector Date: 9-29-20

Field Reviewed? Yes No

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

Operator Name: VIRCO

Watershed (HUC 10): _____ Quad: Pullman

Farm Name: Coastal Lumber Co

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

Plug to abandon operations.

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

Containment will be in place around the well. And a portable pit will be used for fluids.

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

N/A

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

N/A

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

N/A

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

No waste materials will be used for the deicing of area or equipment. And waste materials if any will not be used for material fill on the property.

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

Spill protection training given to every employee. Spill kits and containment are on each work site.

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

Inspections are done before during operations by designated employees.

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Signature: Angela Knapp

Date: 09/22/2020

WW-7
8-30-06



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

API: 47-085-00677 WELL NO.: 8

FARM NAME: Nutter, M.B.

RESPONSIBLE PARTY NAME: VIRCO

COUNTY: Ritchie DISTRICT: Clay

QUADRANGLE: Pullman

SURFACE OWNER: Coastal Lumber Co.

ROYALTY OWNER: _____

UTM GPS NORTHING: 4344290.7000

UTM GPS EASTING: 508555.9000 GPS ELEVATION: 838'

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

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

Survey grade GPS : Post Processed Differential _____
Real-Time Differential

Mapping Grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Bruce Carpenter
Signature

Sr. Manager, EHSR
Title

09/22/2020
Date

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WV Department of Environmental Protection

11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit

- 12/10/20
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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