



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
APR 23 1980
OIL & GAS DIVISION
DEPT. OF MINES

NO 4/25/80

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

DATE April 22, 1980

Surface Owner Costal Lumber Company
Address Pioneer Div. P.O. Box 8 Dailey, WV
Mineral Owner J.M. Huber Corporation
Address P.O. Box 1319 Maryville, TN
Coal Owner Cardinal Sewell Mining Company
Address c/o Graf Bank Ohio Plaza
Coal Operator 155 E. Broad Street
Address Columbus, OH 43265

Company NRM Petroleum Corporation
Address P.O. Box 816 Buckhannon, WV
Farm Koon-Huber Acres 494.24
Location (waters) Middle Fork River
Well No. #2 Elevation 2380
District Roaring Creek County Randolph
Quadrangle Cassity

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 1-9-81.

INSPECTOR
TO BE NOTIFIED Robert Stewart

ADDRESS P.O. Box 345 Jane Lew, WV 26378

PHONE 884-7782

Robert L. Hall
Deputy Director - Oil & Gas Division

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 April 2 1979 by J.M. Huber Corporation made to Union Drilling Company and recorded on the 28 day of March 1980 in Upshur County, Book 287 Page 76

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

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 address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours,
(Sign Name) Bill Hall
Well Operator

P.O. Box 816
Street

Buckhannon
City or Town

West Virginia 26201
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator, upon the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

(CORRECTED PERMIT ----- 47-083-0334) 5-9-81

~~47-097-2095~~

03/22/2024

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Union Drilling Company NAME Rickard L. Hopkins
 ADDRESS Drawer 40 Buckhannon, WV 26201 ADDRESS P.O. Box 816 Buckhannon, WV
 TELEPHONE 472-4610 TELEPHONE 472-9113
 ESTIMATED DEPTH OF COMPLETED WELL: 5200 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Elk
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	700	700	Cement to surface
7			
5 1/2			
4 1/2		5200	125 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 250 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 460 - 463 _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

03/22/2024

MARKET BOND

For Coal Company

Official Title

Operator's Well No. Koon-Huber #2
API Well No. 47 - 083 334
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

RECLAMATION PLAN

WELL OPERATOR NRM Petroleum Corp.
Address Box 816
Buckhannon, W. Va. 26201

DESIGNATED AGENT R. L. Hopkins
Address Box 816
Buckhannon, W. Va. 26201

The well operator hereby agrees to carry out the reclamation requirements of Code § 22-4-12b in the manner set out below.

This plan has ___/ has not ___/ been reviewed with the district oil and gas inspector.

SKETCH: (Locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), and (6) necessary drainage features, including drains (natural and manmade), silt traps, etc.)



STATEMENT OF RECLAMATION PLAN (Complete on reverse side if necessary)

The access road will leave West Virginia Secondary Route 28/1 in a northeast direction to the location with adequate culverts installed as needed. The graded location will be ditched (---) with sediment dispersants placed at the edge of the cut. The pit will be placed to the northwest of the location in solid cut. Suitable sealing will be installed if required by soil conditions to retain the pit fluid. All marketable timber will be salvaged. The nearest water well or dwelling is more than 300 feet away from the location. Upon completion, the location will be reclaimed allowing only the necessary area to operate and maintain the well. The cut area will be seeded, fertilized and mulched as needed.

DEPT. OF MINES
OIL & GAS DIVISION

APR 23 1980

RECEIVED

NRM PETROLEUM CORPORATION
Well Operator

03/22/2024

By Bill Hall
Its Land Department

DEPARTMENT OF MINES, OIL AND GAS DIVISION

REGISTRATION FEE

REGISTRATION NO. _____
REGISTRATION DATE _____
REGISTRATION FEE _____

THE REGISTRATION FEE IS PAID TO THE STATE OF WEST VIRGINIA.

THIS REGISTRATION IS VALID FOR THE TERM SPECIFIED HEREON.

REGISTRATION FEE RECEIVED



REGISTRATION FEE RECEIVED

STATE OF WEST VIRGINIA

DEPT. OF MINES, OIL & GAS DIVISION

RECEIVED

APR 5 3 1980

DEPT. OF MINES
OIL & GAS DIVISION

03/22/2024

RECORDED

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Siltstone			3613	3670		
Siltstone and Shale			3670	3792	Gas Chk. @ 3672'	- 18 M
Alexander			3792	3878		
Siltstone and Shale			3878	4762	Gas Chk. @ 4171'	- 24 M
Elk			4762	4796		
Siltstone and Shale			4796		Gas Chk. @ 4801'	- 26 M
TOTAL DEPTH				4960	Gas Chk. @ TD	- 24 M

Well Logged By Allegheny Nuclear Surveys

Initial Open Flow: 24 Mcf

Benson Perforations - 12 holes 3577-83
 Benson Frac - Broke down 2300#, average pressure 1075#, average rate 25 BPM, total fluid 467 BBL., shut-in pressure 700#
 10,000# of 80/100 sand and 30,000# of 20/40 sand.

03/22/2024

Date 7, 22 19 80

APPROVED NRM Petroleum Corporation Owner
Ellie Lewis

gnac
7-10



RECEIVED

JUL 24 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
PT. OF MINES

Oil and Gas Division
WELL RECORD 17

Union Drilling
Rig #9
Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Cassity 7 1/2

Permit No. 47-083-0334

REVISED

Company NRM Petroleum Corporation
Address P.O. Box 816, Buckhannon, WV
Farm Koon-Huber Acres 494.24
Location (waters) Middle Fork River
Well No. 2 Elev. 2380'
District Roaring Creek County Randolph
The surface of tract is owned in fee by Coastal Lumber Co., Pioneer Division
Address P. O. Box 8, Dailey, WV
Mineral rights are owned by _____
Address _____
Drilling Commenced 6-3-80
Drilling Completed 6-9-80
Initial open flow 24 M cu. ft. _____ bbls.
Final production 474 mcfu. ft. per day _____ bbls.
Well open 3 hr. _____ hrs. before test 520 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 20-16 11 3/4	16	-	
9 5/8			
8 5/8	760.35	760.35	230 sks
7			
5 1/2			
4 1/2	-	4936.65	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Elk Perforations - 10 holes 4754-73, 2 holes 4923
Elk Frac - Broke down 3200#, average pressure 2625#, average rate 32.7 BPM
Total fluid 417 BBL., Average shut-in pressure 1500#
10,000# of 80/100 sand and 30,000# of 20/40 sand.

Coal was encountered at No Record Feet _____ Inches _____
Fresh water No Record Feet _____ Salt Water _____ Feet _____
Producing Sand Elk and Benson Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
KB	GL		0	12		
Shale			12	17		
Sand and Shale			17			
No Record				1000		
Sand and Shale			1000	1022		
Little Lime			1022	1040		
Shale			1040	1072		
Blue Monday			1072	1106		
Shale			1106	1110		
Big Lime			1110	1232		
Big Injun			1232	1348		
Sand and Shale			1348	1864	Gas Chk. @ 1542' - No Show	
Fifth Sand			1864	1980	Gas Chk. @ 1792' - No Show	
Siltstone and Shale			1980	1972		
Bayard			1972	2145		
Shale			2145	2172		
Elizabeth			2172	2250		
Siltstone and Shale			2250	3280	Gas Chk. @ 2328' - No Show	
Riley			3280	3510	Gas Chk. @ 2827' - No Show	
Shale			3510	3585		
Benson			3585	3604		
Siltstone and Shale			3604	3613		

03/22/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

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JUN 9 1980

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 083-0334

Oil or Gas Well GAS
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>NRN Petroleum</u>				
Address <u>Buck Hannon</u>	Size			
Farm <u>Koon-HUBER</u>	16			Kind of Packer
Well No. <u># 2</u>	13			
District <u>ROARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>6-4-80</u>	8 7/8		760	230 SKS
Drilling completed _____ Total depth _____	6 3/4			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 7/8</u> SIZE <u>760</u> No. FT. _____ Date <u>6-5-80</u>			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Dowell</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names UNION DRIG RIG-9

Remarks:
Cement to SURFACE

6-5-80
DATE

Robert St... 511
03/22/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

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AUG 10 1981

INSPECTOR'S WELL REPORT
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 093-0334

Oil or Gas Well GAS
(KIND)

Company <u>NRM Pet</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Address <u>BUCK HANNON</u>	Size			
Farm <u>Koon-HUBER</u>	16			Kind of Packer
Well No. <u># 2</u>	13			
District <u>ROARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>6-4-80</u>	8 1/4			Depth set
Drilling completed _____ Total depth _____	6 3/4			
Date shot _____ Depth of shot _____	5 3/16			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top
Volume _____ Cu. Ft.	Liners Used			Perf. bottom
Rock pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

O.K. TO Release

8-6-81

DATE

Robert Stewart 03/22/2024

DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

August 25, 1981

WALTER N. MILLER
DIRECTOR

NRM Petroleum
P. O. Box 816
Buckhannon, WV 26201

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

BAR. 1208	Harold Harris	#1	Barker
BAR. 1273	Earl H. Bennett	A-1	Barker
RAN. 0334	Koon-Huber	#2	Roaring Creek
RAN. 0335	Koon-Huber	#3	Middle Fork
RAN. 0336	Koon-Huber	#4	Middle Fork
UPS. 1972	B. Stonestreet	#1	Washington
UPS. 1977	Wilda Osborn	#1	Washington
UPS. 1978	Wilda Osborn	#2	Washington

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved.....

Very truly yours,

Fred Burdette

RECEIVED

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0334				AUG 28 1980
2.0 Type of determination being sought: (Use the codes found on the front of this form!)	103 Section of NGPA				OIL & GAS DIVISION DEPT. OF MINES
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name <u>NRM PETROLEUM CORP.</u>			013849 Seller Code	
	Street <u>P. O. BOX 816</u>				
	City <u>BUCKHANNON, W. VA. 26201</u>			State _____ Zip Code _____	
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Field Name <u>Middle Fork River</u>			State <u>WV</u>	
	County <u>RANDOLPH</u>			State _____	
(b) For OCS wells:	Area Name _____		Block Number _____		
	Date of Lease _____		OCS Lease Number _____		
	Mo. Day Yr.				
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>Koon-Huber # 2</u>				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Name <u>Columbia Gas Transmission Corp.</u>			004030 Buyer Code	
(b) Date of the contract:	Mo. Day Yr.				
(c) Estimated annual production:	_____ MMcf				
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) Other Fees (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)	
7.0 Contract price. (As of filing date. Complete to 3 decimal places.)	_____	_____	_____	_____	
8.0 Maximum lawful rate. (As of filing date. Complete to 3 decimal places.)	2.274	.227	_____	2.504	
9.0 Person responsible for this application	Name <u>R.L. Hopkins</u> Title <u>V-Pres.</u>				
Agency Use Only	Signature _____				
Date Received by Juris. Agency	Date Application is Completed _____				
Date Received by FERC	Phone Number <u>304/472-9113</u>				

03/22/2024

PARTICIPANTS:

DATE: JAN 12 1981

BUYER-SELLER CODE

WELL OPERATOR: NRM Petroleum Corp.

013849

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

*Computer OK.
map OK*

Qualifies J E Huzzey

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

80-08-28 - 103-083 = 0334

Use Above File Number on all Communications
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. _____
- 2. IV-1 Agent Richard L. Hopkins
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production _____ Days off line: _____
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - (54) - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
Gas Analyses _____
- (5) Date commenced: 6-3-80 Date completed 6-9-80 Deepened _____
- (5) Production Depth: 4754-73, 3577-83
- (5) Production Formation: Elk, Benson
- (5) Final Open Flow: 24 mcf
- (5) After Frac. R. P. 520# 5 hrs.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report
- (5) Oil Production: NO From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional information _____ Does computer program confirm? 03/22/2024
- Was Determination Objected to _____ By Whom? _____

T.S.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS

Date Aug 22 80
Operator Koon-Hober #2
Well No. 47-083-0334

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
30 CFR Section 103

DESIGNATED AGENT Rickard L. Hopkins
ADDRESS Rt. 1 Box 107-D
Buckhannon, WV 26201

WELL OPERATOR NRM PETROLEUM CORP.
ADDRESS P. O. BOX 816
BUCKHANNON, W.VA. 26201
Columbia Gas Transmission
P.O. Box 1273
Charleston, WV 25325

LOCATION Elevation 2380'
Watershed Middle Fork River
Dist Roaring ck Randolph Cassidy 71/2
Purchase Contract No. N/A
Meter Chart Code N/A
Date of Contract N/A

Date surface drilling was begun 6-3-80

Bottom hole pressure 1736
Calculated by multiplying the total depth by .35 lb/ft.

AFFIDAVIT

R.L. Hopkins

having been first sworn according to the state constitution of the well for which this determination is sought was begun on or after the date the well satisfies applicable state or federal well spacing requirements, and the well is in a surface operation unit, in existence at the time surface drilling began, which was approved by the relevant authority which gas is or will be produced and which applied to any other well producing or on commercial quantities or on which surface drilling began on or after February 19, 1979, and is not a well producing gas in commercial quantities. I state, further, that I have concluded, on the basis of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

[Signature]

STATE OF WEST VIRGINIA,
COUNTY OF Upshur, TO WIT

I, Glenda Martz a Notary Public in and for the state and county, here named, do hereby certify that R.L. Hopkins, whose name is signed to the writing above, bearing date 22 day of Aug, 1980, has acknowledged the same before me, in my county, state and territory, given under my hand and official seal this 22 day of Aug, 1980. My term of office expires on the 31 day of JAN., 1989.

[Signature]
Notary Public

03/22/2024