



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

4/25/80
OIL & GAS DIVISION
DEPT. OF MINES
APR 23 1980
RECEIVED

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

DATE April 22, 1980
Company NRM PETROLEUM CORPORATION
Address P.O. Box 816 Buckhannon, WV
Farm Koon-Huber Acres 494.24
Location (waters) Middle Fork River
Well No. # 3 Elevation 2420
District Middle Fork County Randolph
Quadrangle Cassity

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

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.

Robert H. Hall

Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Robert Stewart
ADDRESS P.O. Box 345 Jane Lew, WV
PHONE 884-7782

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 Upsur 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

P.O. Box 816
Street
Buckhannon
City or Town
West Virginia 26201
State

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

*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 a permit certifying 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 ----- 47-083-0335) 5-9-81

-47-097-2096--- 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 _____

Operator's Well No. Koon-Huber #3
 API Well No. 47 - 083 - 335
 State County permit

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

RECLAMATION PLAN

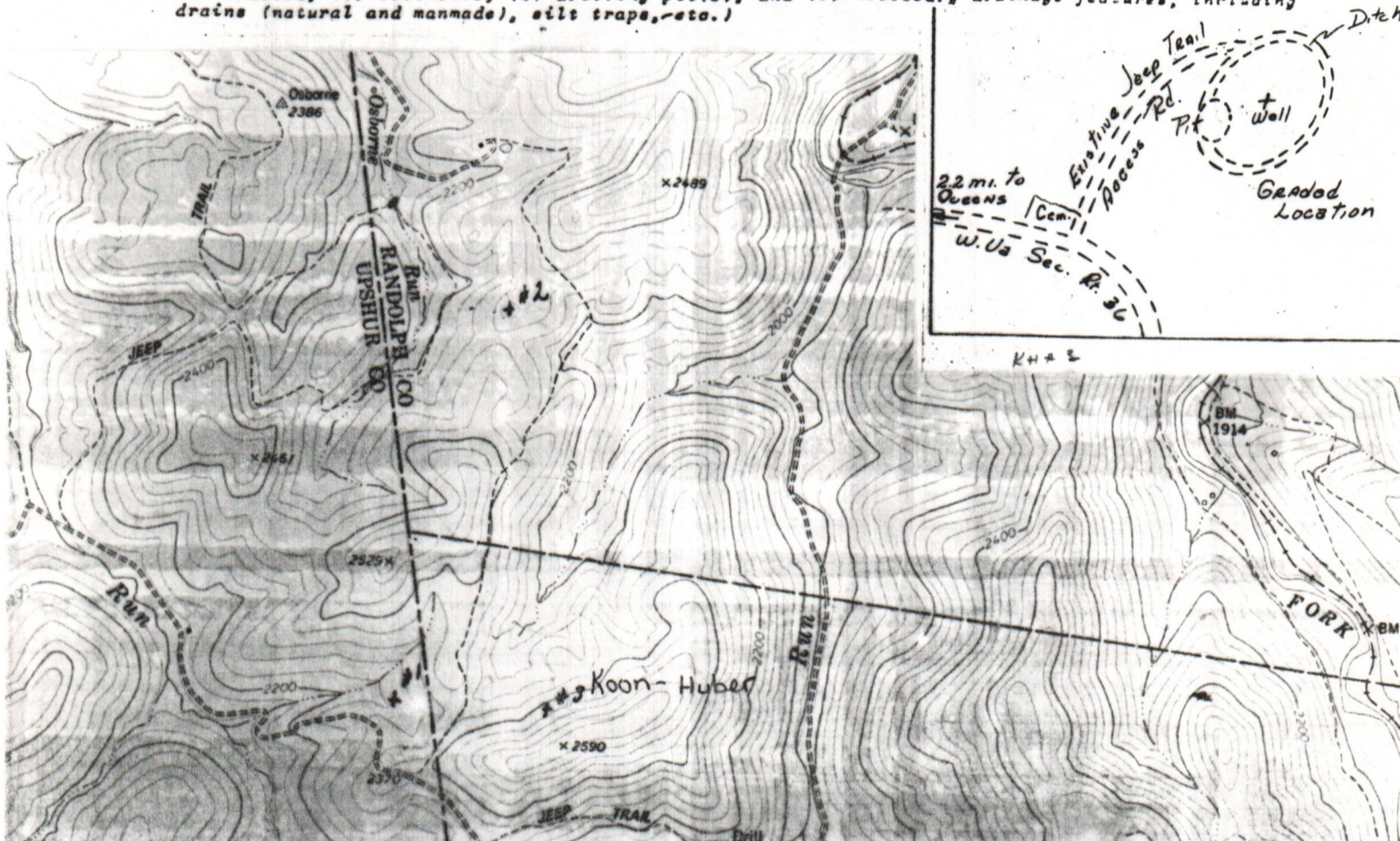
WELL OPERATOR NRM Petroleum Corp.
 Address Box 816
Buckhannon, W. Va. 26201

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 36 in a northeasterly 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 west 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.

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

NRM PETROLEUM CORPORATION
 Well Operator
 03/22/2024
 By Bill Hall
 Its Land Department

| Formation | Color | Hard or Soft | Top Foot ²⁰ | Bottom set | Oil, Gas or Water | Remarks |
|---------------------|-------|--------------|------------------------|------------|-------------------|-------------------------|
| Riley | | | 3335 | 3561 | | |
| Siltstone and Shale | | | 3561 | 3638 | | Gas Chk. @ 3285' - 18 M |
| Benson | | | 3638 | 3658 | | |
| Shale | | | 3658 | 3670 | | |
| Siltstone | | | 3670 | 3723 | | |
| Siltstone and Shale | | | 3723 | 3828 | | Gas Chk. @ 3732' - 15 M |
| Alexander | | | 3828 | 3929 | | |
| Siltstone and Shale | | | 3929 | 4812 | | Gas Chk. @ 4233' - 11 M |
| Elk | | | 4812 | 4855 | | Gas Chk. @ 4701' - 50 M |
| Siltstone and Shale | | | 4855 | | | |
| TOTAL DEPTH | | | | 4984 | | Gas Chk. @ TD - 18 M |

Well Logged By Allegheny Nuclear Surveys

Initial Open Flow - 18 Mcf

Shut-In pressure 650#, 10,000# of 80/100 and 30,000# of 20/40 sand.

Speechley Perforations - 12 holes, 2646-2654, Speechley Frac - Broke down 2500#, total fluid 410 bbl., average pressure 1800#, average rate 34.1 BPM, shut-in pressure 900#, 10,000# of 80/100 and 40,000# of 20/40 sand.

4th and 5th Sand Perforations - 12 holes 1919-2047'.
4th and 5th Sand Frac - Broke down 24-0#, total fluid 340 bbl., average pressure 1700#, average rate 48.6 BPM, shut-in pressure 700#. 10,000# of 80/100 sand and 30,000# of 20/40 sand.

RECEIVED
OIL & GAS DIVISION
WEST VIRGINIA DEPARTMENT OF MINES

03/22/2024

Date 8-20- 1980

APPROVED NRM Petroleum Corporation Owner

R. L. Hopkins



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD *20*

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

Quadrangle Cassity 7 1/2

Permit No. 47-083-0335

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. 3 Elev. 2420'
District Middle Fork 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 7-17-80
Drilling Completed 7-22-80
Initial open flow 18 M cu. ft. _____ bbls.
Final production 1,237 cu. ft. per day _____ bbls.
Well open 4 hrs. before test 660 RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size | | | |
| 20-16 | | | |
| Cond. | | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 703.75 | 703.75 | |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | - | 4901' | |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Attach copy of cementing record.

Elk Perforations - 12 holes 4817-4829' Elk Frac - Broke down 3000' total fluid 385 bbl.s, average pressure 2550#, average rate 29.6 BPM
Average shut-in pressure 1100#, 10,000# of 80/100 and 30,000# of 20/40 sand.

Benson Perforations - 12 holes, 3640-3648'. Benson Frac - Broke down 3000#, Total fluid 365 bbl., average pressure 2200#, average rate 30.4 BPM,

Coal was encountered at 13,142,308,541 Feet _____ Inches

Fresh water 32,365,540 Feet _____ Salt Water _____ Feet _____

Producing Sand Elk, Benson, Speechley, 4th and 5th Depth _____

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|---------------------|-------|--------------|----------|-------------|-------------------|----------------------------|
| K.B. - G.L. | | | 0 | 12 | | |
| Fill | | | 12 | 13 | | |
| Coal | | | 13 | 15 | | |
| Shale | | | 15 | 30 | | |
| Sand | | | 30 | 142 | | |
| Coal | | | 142 | 145 | | |
| Sand and Shale | | | 145 | 308 | | |
| Coal | | | 308 | 311 | | |
| Sand and Shale | | | 311 | 541 | | |
| Coal | | | 541 | 546 | | 1" Water @ 365' |
| Sand and Shale | | | 546 | 1157 | | 1/2" Water @ 540' |
| Big Lime | | | 1157 | 1282 | | |
| Big Injun | | | 1282 | 1389 | | |
| Sand and Shale | | | 1389 | 1906 | | Gas Chk. @ 1419' - No Show |
| Fifth Sand | | | 1906 | 2050 | | Gas Chk. @ 1918' - No Show |
| Shale | | | 2050 | 2102 | | |
| Bayard | | | 2102 | 2148 | | |
| Siltstone and Shale | | | 2148 | 2179 | | |
| Elizabeth | | | 2179 | 2270 | | |
| Siltstone and Shale | | | 2270 | 2647 | | |
| Speechley | | | 2647 | 2672 | | |
| Siltstone and Shale | | | 2672 | 3335 | | Gas Chk. @ 2449' - No Show |
| | | | | | | Gas Chk. @ 2667' - 8 M |
| | | | | | | Gas Chk. @ 2874' - 30 M |

RECEIVED

AUG 22 1980

Damp @ **OIL & GAS DIVISION**
DEPT. OF MINES

03/22/2024

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

RECEIVED

JUL 21 1980

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES
Oil or Gas Well COAL
(KIND)

Permit No. 083-0335

Company NRM Petroleum

Address Buckhannon

Farm Koon-Huber

Well No. # 3

District Middle Fork County RANDOLPH

Drilling commenced 7-18-80

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | Left in well | PACKERS |
|-------------------|------------------|--------------|----------------------|
| Size | | | |
| 16 | | | Kind of Packer _____ |
| 13 | | | |
| 10 | | | Size of _____ |
| 8 1/4 | | | |
| 6 3/8 | | | Depth set _____ |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names UNION DRIG RIG-9

Remarks:
Move RIG SPUD

7-18-80
DATE

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

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

RECEIVED
AUG 10 1981

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well GAS
(KIND)

Permit No. 083-0335

| | | | | |
|---|---|------------------|--------------|----------------|
| Company <u>NRM Pet</u> | CASING AND TUBING | USED IN DRILLING | Left in Well | PACKERS |
| Address <u>BUCKHANNON</u> | Size | | | |
| Farm <u>Koon - Huber</u> | 16 | | | Kind of Packer |
| Well No. <u># 3</u> | 13 | | | |
| District <u>Middle Fork</u> County <u>RANDOLPH</u> | 10 | | | Size of |
| Drilling commenced <u>7-18-80</u> | 8 1/4 | | | Depth set |
| Drilling completed _____ Total depth _____ | 6 5/8 | | | |
| 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 511
05/22/2024
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

v

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. G334 | Koon-Huber | #2 | Roaring Creek |
| RAN. G335 | Koon-Huber | #3 | Middle Fork |
| RAN. G336 | 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

AUG 28 1980

OIL & GAS DIVISION
DEPT. OF MINES

47-083-0335

1.0 API well number: (If not available, leave blank. 14 digits.)

2.0 Type of determination being sought (Use the codes found on the front of this form!)

103
Section of NGPA

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 NRM PETROLEUM CORP.
P. O. BOX 816
Street BUCKHANNON, W. VA. 26201
City _____ 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 Middle Fork River
County RANDOLPH State WV

(b) For OCS wells:

Area Name _____ Block Number _____

Date of Lease _____
Mo. Day Yr. _____ OCS Lease Number _____

(c) Name and identification number of this well: (35 letters and digits maximum.)

Koon-Huber #3

(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 Columbia Gas Transmission Corp. 004030
Buyer Code

(b) Date of the contract

Mo. Day Yr. _____

(c) Estimated annual production

_____ MMcf

| | (a) Base Price (\$/MMBTU) | (b) Tax | (c) All Other Prices [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

R.L. Hopkins V-Pres.
Name Title

Signature

Date Application is Completed

304/472-9113
Phone Number

Agency Use Only

Date Received by Juris. Agency

AUG 28 1980

Date Received by FERC

03/22/2024

PANTS:

DATE:

JAN 22 1981

BUYER-SELLER CODE

WELL OPERATOR:

NRM Petroleum Corp.

013849

FIRST PURCHASER:

Columbia Gas Trans. Corp.

004030

OTHER:

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

90-08-28-103-083-0335

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

Computer OK. Map OK

Qualified J. H. Huzey

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 [check] Items not completed - Line No. _____

2. IV-1 Agent [check] Rickard L. Hopkins

3. IV-2 Well Permit [check]

4. IV-6 Well Plat [check]

5. IV-35 Well Record [check] Drilling [check] Deepening _____

6. IV-36 Gas-Oil Test: Gas Only [check] 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? [check]

0-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? [check] Affidavit Signed [check]

8-28. Other: Survey _____ Logs _____ Geological Charts _____

Structure Map _____ 1: 4000 Map _____ Well Tabulations _____

Gas Analyses _____

(5) Date commenced: 7-17-80 Date completed 7-22-80 Deepened _____

(5) Production Depth: 4817-29, 3640-48, 2646-54 & 1919-2047

(5) Production Formation: Elk, Benson, Speechly, 4th - 5th

(5) Final Open Flow: 1237 mcf

(5) After Frac. R. P. 660 # 4 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 _____

0-17. Does lease inventory indicate enhanced recovery being done NO

0-17. Is affidavit signed? [check] Notarized? [check]

Does official well record with the Department confirm the submitted information? Yes

Additional information _____ Does computer program confirm? _____

03/22/2024

Is Determination Objected to _____ By Whom? _____

J.S.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS

Date Aug 22 1980
Operator Koon-Huber # 3
Well No. 47-083-0385

WELL CLASSIFICATION LOSS
NEW ONSHORE PRODUCTION WELL
MGS Section 103

DESIGNATED BY Richard L. Hopkins
ADDRESS Rt. 1 Box 107-D
Buckhannon, WV 26201

LOCATION Elevation 2420'
Watershed Middle Fork RIVER
Dist Middle Fork Randolph Cassity 7 1/2
Purchase Contract No. N/A
Meter Chart No. N/A
Date of Contract N/A

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

Date surface drilling was begun 7-17-80

Bottom hole pressure of the well and explain how this was calculated
Bottom hole pressure 1744.4
Calculated by multiplying the total depth by .35 lb/ft.

AFFIDAVIT

R.L. Hopkins

having been first sworn according to the laws of this State, I depose and say that the well for which this determination is sought was begun on or after February 19, 1979, and that the well satisfies applicable state or federal well spacing requirements and the well is not a production well, in existence at the time surface drilling began, which was applied to any other well producing or capable of producing gas in commercial quantities or on which surface drilling began on or after February 19, 1979, and which is not a production well, in existence at the time surface drilling began, which was applied to any other well producing or capable of producing gas in commercial quantities. I state, further, that I have concluded, on the basis of the information, knowledge and belief, that the well for which this determination is sought is a production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

[Handwritten signature]

STATE OF WEST VIRGINIA

COUNTY OF Upsher TO WIT

I, Isletha Martz, a Notary Public in and for the state and county aforesaid, 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 aforesaid, 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.

[Handwritten signature: Isletha Martz]
NOTARY PUBLIC

03/22/2024