



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION USGS BM Mt. Olive Church, in the area Big Isaac Run

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF MINES.  
 (SIGNED) Wayne D. Parker  
 R.P.E. \_\_\_\_\_ L.L.S. 624

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE Aug 1 19 80  
 OPERATOR'S WELL NO. Wilson 2  
 API WELL NO. \_\_\_\_\_  
47 - 033 - 2450  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1400' WATER SHED Coburn Run  
 DISTRICT Ten Mile COUNTY Harrison  
 QUADRANGLE Big Isaac 7 1/2 W 15 N E  
 SURFACE OWNER Howard W. Gain ACREAGE 58  
 OIL & GAS ROYALTY OWNER L. F. Wilson LEASE ACREAGE 58  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BENSON ESTIMATED DEPTH 5230  
 WELL OPERATOR NRM Petroleum Corp. DESIGNATED AGENT R. W. Hopkins  
 ADDRESS Box 816 ADDRESS Box 816  
C-0 Buckhannon, W. Va. 26201 BIG ISAACS Buckhannon, W. Va. 26201 197

AUG 28 1980



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

RECEIVED  
NOV - 3 1980

OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Big Isaac  
Permit No. 47-033-2450

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company <u>NRM Petroleum Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 816</u>				
Farm <u>Howard W. Gain</u> Acres <u>58</u>	Size			
Location (waters) <u>Corburn Creek</u>	20-16			
Well No. <u>Wilson #2</u> Elev. <u>1400</u>	Cond.			
District <u>Ten Mile</u> County <u>Harrison</u>	13-10"			
The surface of tract is owned in fee by <u>Howard W. Gain</u>	9 5/8			
Address <u>Clarksburg, WV 26301</u>	8 5/8		1200'	300 Sks. cement
Mineral rights are owned by <u>L.E. Wilson</u>	7			6 sks. gel
Address <u>Clarksburg, WV</u>	5 1/2			
Drilling Commenced <u>8-18-80</u>	4 1/2		2073'	no cement
Drilling Completed <u>8-22-80</u>	3			
Initial open flow <u>4224</u> cu. ft. _____ bbls.	2			
Final production <u>2,768</u> cu. ft. per day _____ bbls.	Liners Used			
Well open <u>3</u> hrs. before test <u>160</u> RP.				

Well treatment details:

Attach copy of cementing record.

Not treated, natural well

Ran 49 jts. of 4 1/2" casing at 2073'

Set on a packer, packer set at 2031'

Coal was encountered at none Feet \_\_\_\_\_ Inches \_\_\_\_\_  
fresh water 414'-2 1/2" stream Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Blue Monday Depth 2031

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	34		
Sand			34	112		
Sand and Shale			112	333		
Sand			333	361		
Sand and Shale			361	1720		
Sand			1720	1854		
Sand and Shale			1854	2108		
F.D.			2108			

NOV 25 1980

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE August 11, 1980

Surface Owner Howard W. Gain

Company NRM Petroleum Corporation

Address Clarksburg, WV

Address P.O. Box 816 Buckhannon, WV

Mineral Owner L.F. Wilson

Farm Wilson Acres 58

Address 700 Stealey Ave. Clarksburg, WV

Location (waters) Corburn Run

Coal Owner Union National Bank, Trustees

Well No. #2 Elevation 1400

Address Main St., Clarksburg, WV

District Ten Mile County Harrison

Coal Operator \_\_\_\_\_

Quadrangle Big Isaac

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 4-13-81.

*Frederick O. Burdette*  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech St., Clarksburg, WV

PHONE 622-3871

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 May 11 1979 by L.F. Wilson made to Clarence Mutschelknaus and recorded on the 14 day of May 1979 in Harrison County, Book 1078 Page 687

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

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

Address P.O. Box 816  
of Buckhannon  
Well Operator Buckhannon  
City or Town  
West Virginia 26201  
State

RECEIVED  
AUG 13 1980

BLANKET BOND

\*SECTION 3 . . . If no objections are filed with the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to support the location, the department shall forthwith issue to the well operator a permit reciting 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.

47-633-2450 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 \_\_\_\_\_

*James*

**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 ADDRESS P.O. Box 816 Buckhannon, WV  
 TELEPHONE 304-472-4610 TELEPHONE 304-372-9113  
 ESTIMATED DEPTH OF COMPLETED WELL: 5230 ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Benson  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X COMB \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	FEET IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	1255	1255	Cement to surface
7			
5 1/2			
4 1/2		5230	125 sks.
3			Perf. Top
2			Perf. Bottom
LINKS			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 120 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS 650-662 \_\_\_\_\_  
 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.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title