

39 16 40
80 12 20

A. 589.05W 775'
B. 519.18E 256'
C. N69.50E 736'

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION USGS 2M Oral Lake, 1026, USGS Rosemont Quad.

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) [Signature]
R.P.E. [Signature] L.L.S. 624
NORTON SURVEYS & CONSULTING, INC.

PLACE SEAL HERE

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



DATE December 2, 19 80
OPERATOR'S WELL NO. Cleer #5
API WELL NO. _____
47 - 033 - 2525
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 1170' WATER SHED Beards Run
DISTRICT Simpson COUNTY Harrison
QUADRANGLE Rosemont Emplacement 2 1/2 SW
SURFACE OWNER Charles B. Cleer ACREAGE 57.20
OIL & GAS ROYALTY OWNER Charles B. Cleer LEASE ACREAGE 57.20
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 ___ 6-6 Bridgeport-Pruntytown (110)
TARGET FORMATION Benson ESTIMATED DEPTH 4450
WELL OPERATOR NRM Petroleum Corp. DESIGNATED AGENT R. L. Hopkins
ADDRESS Box 816 ADDRESS Box 816
Buckhannon, W. Va. 26201 Buckhannon, W. Va. 26201



RECEIVED
FEB 19 1981

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL & GAS DIVISION
DEPT. OF MINE & OIL & GAS DIVISION
Oil and Gas Division
Union Drilling
Rig #12

WELL RECORD #7

Quadrangle Rosemont 7 1/2"

Permit No. 47-033-2525

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company NRM Petroleum Corporation
Address P.O. Box 816, Buckhannon, WV
Farm Cleer Acres 57.20
Location (waters) Beards Run
Well No. 5 Elev. 1170'
District Simpson County Harrison
The surface of tract is owned in fee by _____
Charles G. Cleer
Address Rt. 1, Box 115, Bridgeport, WV 26330
Mineral rights are owned by _____
Address _____
Drilling Commenced 1-30-81
Drilling Completed 2-3-81
Initial open flow 18 M cu. ft. _____ bbls.
Final production 444 cu. ft. per day _____ bbls.
Well open 3 hrs. before test 900 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	1000	1000	
7			
5 1/2			
4 1/2	-	4401	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

444 MCF

Benson Perforation-10 holes, 4265-4273
Breakdown 2200#, average pressure 2600#, average rate 29.5 BPM
total fluid 405 bbl., shut-in pressure 1800#
15,000# of 80/100 and 30,000# of 20/40 sand
P. J. sand pink 2313-50 5th, 4285-93 Benson Note: P. J. sand intervals better reflect actual pay based on data from bulk density log.
Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Benson and 5th Sand Depth _____
4265-73 2213-91

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Formation Depths Taken From Driller's Log Book --						
Sand			0	27		
Sand and Shale			27	59		
Sand			59	117		
Sand and Shale			117	776		
Sand			776	980		
Sand, Shale and Red Rock			980			
Formation Depths Taken From Gamma Ray Log --						
Sand, Shale and Red Rock				1235		
Little Lime			1235	1250		
Shale			1250	1275		
Big Lime			1275	1353		
Big Injun			1353	1446		
Shale			1446	1788		
Gantz			1788	1856		
Sand and Shale			1856	2170		
Fourth Sand			2170	2270		
Shale			2270	2301		
Fifth Sand			2301	2351		

Formation	Color	Hard or Soft	Top Feet 47	Bottom Feet	Oil, Gas or Water	Remarks
Shale			2351	2530		
Siltstone and Shale			2530	2779		
Upper Spechley			2779	2827		
Siltstone and Shale			2827	2936		
Spechley			2936	3024		
Siltstone and Shale			3024	4284		Gas Chk. @ 3051' - No Show
Benson			4284	4298		Gas Chk. @ 3301' - No Show
Siltstone and Shale			4298			Gas Chk. @ 4146' - No Show
						Gas Chk. @ 4333' - 18 M
TOTAL DEPTH				4467		
Well Logged By Allegheny Nuclear Surveys						
Initial Open Flow - 18 Mcf/Day						
4th						
5th Sand--- 10 holes, 2213-2291						
Breakdown 2800#, average pressure 2800#, average rate 31 BPM						
total fluid 372 bbl., shut-in pressure 1900#						
15,000# of 80/100 sand 30,000# of 20/40 sand						

Date Feb. 18 19 81

APPROVED NRM Petroleum Corporation

Owner

John C. Moore Syst.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC - 4 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Charles G. Cleer
Address Rt. 1, Box 115, Bridgeport, WV 26330.
Mineral Owner Charles G. Cleer
Address Rt. 1, Box 115, Bridgeport, WV 26330
Coal Owner Hillman Coal & Coke Company
Address 1900 Grant Building, Pittsburgh, PA
Coal Operator _____
Address _____

DATE December 3, 1980
Company NRM Petroleum Corporation
Address PO Box 816, Buckhannon, WV 26201
Farm Cleer Acres 57.20
Location (waters) Beards Run
Well No. Cleer #5 Elevation 1170'
District Simpson County Harrison
Quadrangle Rosemont

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 8-10-81.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech Street, Clarksburg, WV 2630
PHONE 622-3871

J. E. Muzey
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 26 1976 by Charles G. Cleer, et ux made to Partnership Properties Co. and recorded on the 5th day of May 1976, in Harrison County, Book 1043 Page 718

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 26503
AC-304 - 392-6331

Address
of
Well Operator

PO Box 816
Street
Buckhannon
City or Town
WV
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 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.

BLANKET BOND

47-033-2525 _____ PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 6, 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 NAME Rickard L. Hopkins

ADDRESS Drawer 40, Buckhannon, WV 26201 ADDRESS PO Box 816, Buckhannon, WV 26201

TELEPHONE 472-4610 TELEPHONE 472-9113

ESTIMATED DEPTH OF COMPLETED WELL: 4450 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 LIFT UP OR SACKS - CUBIC FT
20 - 1 1/2			
17 - 1 1/2			
9 - 5/8			
8 - 5/8	850'		cement to surface
7			
5 1/2			
4 1/2	4450'		120 sks
3			Perf. Top
2			Perf. Bottom
LINES			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100' FEET SALT WATER FEET

APPROXIMATE COAL DEPTHS 508'-514'

IS COAL BEING MINED IN THE AREA? 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.


 Guy Jacobs
 Coal Company

 Chief Engineer
 Official Title