



RECEIVED

AUG 10 1973

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Centerpoint

Permit No. DOD-1694

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm James R. Boyce Acres 133
Location (waters) Big Battle Run
Well No. 2 Elev. 1057'
District McClellan County Doddridge
The surface of tract is owned in fee by Hickman
Address Centerpoint, W. Va.
Mineral rights are owned by James R. Boyce Heirs
Address Centerpoint, W. Va.
Drilling Commenced 11/6/72
Drilling Completed 12/12/72
Initial open flow show cu. ft. _____ bbls.
Final production 370,000^M cu. ft per day _____ bbls.
Well open 24 hrs. before test 470[#] RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 2 10"	458'	458'	
9 5/8			
8 5/8	758'	758'	150 sks.
7	1210'		
5 1/2			
4 1/2		2134'	60 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. Lawson Cementing Co.

Fractured - Halliburton - 630 bbls. water; 33,000[#] 20/40 sand; 500 gals. regular 15% acid.

Perforated - 2071' to 2081' - 14 holes.

Coal was encountered at 712' to 718' Feet 72" Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2072' to 2080'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay		Soft	0	20		
Red Rock		Soft	20	120		
Shale		Soft	120	300		
Sandy Shale		Soft	300	400		
Red Rock		Soft	400	560		
Shale		Soft	560	690		
Sand		Hard	690	712		
Coal		Soft	712	718		
Slate		Soft	718	890		
Shale		Soft	890	1050		
Sand		Hard	1050	1120		
Shale		Soft	1120	1320		
Lime		Hard	1320	1400		
Shale		Soft	1400	1620		
Sand		Hard	1620	1650		
Shale		Soft	1650	1920		
Sand		Hard	1920	1950		
Pencil Cave		Soft	1950	1975		
* Big Lime		Hard	1975	2016		

(over)

* Indicates Electric Log tops in the remarks section.

AUG 27 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 2 1972

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 2, 1972

Surface Owner Hickman
Address Centerpoint, W. Va.
Mineral Owner J. R. Boyce Heirs
Address Centerpoint, W. Va.
Coal Owner J. R. Boyce Heirs
Address Centerpoint, W. Va.
Coal Operator None - no coal is being mined
Address in this area.

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm James R. Boyce Acres 133
Location (waters) Big Battle Run
Well No. 2 Elevation 1057'
District McClellan County Doddridge
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED Mr. Wm. Blosser
Box 1857 PH: Fairmont
Calfax 363-9105
W. Va. 26566

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 2-2-73.

[Signature]
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 February 10, 1972 1972 by James F. Scott made to RAMCO Oil & Gas Corp. and recorded on the 18th day of February 1972, in Doddridge County, Book 95 Page 619

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.

Very truly yours,
(Sign Name) by: Neal Rudder
Well Operator
P. O. Box 99

Address
of
Well Operator

Street
Belpre
City or Town
Ohio 45714
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 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.

BOND DRILL

Dodd-1694 PERMIT NUMBER

[Signature]

