



Minimum Error of Closure 1 in 200'

Source of Elevation Elev James Dye No. 1 (Location) = 922

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No. _____ Signed: [Signature]
 Squares: N S E W

Company RAMCO OIL & GAS CO.
 Address P.O. Box 99, Belpre, Ohio.
 Farm Nicholas Prunty
 Tract _____ Acres 35.5 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1207'
 Quadrangle Centerpoint NE
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date July 7, 1972 Scale 1" = 400' = 660'

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

WELL LOCATION MAP

FILE NO. DDO - 1684

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 -- Denotes one inch spaces on border line of original tracing.



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Centerpoint

Permit No. DOD-1684

Rotary Oil _____
Cable _____ Gas b. NOLI
Recycling _____ Conn. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company RAMCO Oil & Gas Corp.
Address P.O. Box 99, Belpre, Ohio 45714
Farm Nicholas Prunty Acres 35.5
Location (waters) Talkington Fork
Well No. 1 Elev. 1207'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Nicholas Prunty Heirs
Address Centerpoint, W. Va.
Mineral rights are owned by Nicholas Prunty Heirs
Address Centerpoint, W. Va.
Drilling Commenced 9/25/72
Drilling Completed 9/28/72
Initial open flow 110,000 cu. ft. _____ bbls.
Final production 2,800,000 cu. ft. per day _____ bbls.
Well open 9 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	381'	381'	85 sks.
7			
5 1/2			
4 1/2		2338'	110 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. Lawson Cementing Co., Inc.

Perforated: Hitt Well Surveys, Inc. 2264' to 2268' - 20 holes.

Fractured: Halliburton - 780 bbls. water, 56,000# 20/40 sand, 750 gals. regular 15% acid.

Coal was encountered at none Feet _____ Inches
Fresh water none Feet _____ Salt Water _____ Feet
Producing Sand Big Injun Depth 2259' to 2287'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock		Soft	0	186		
Sand, Shale, Red Rock		Soft	186	342		
Sand & Shale		Soft	342	992		
Shale, Slate, Red Rock		Soft	992	1604		
Sand & Shale		Soft	1604	2113		
Little Lime		Hard	2113	2148		*2113
Pencil Cave		Soft	2148	2162		*2148
Big Lime		Hard	2162	2230		*2162
Keener		Hard	2230	2252		*2230
Big Injun		Hard	2252	2298		*2252
Squaw		Hard	2298	2340		*2298
TD			2340			

2162
1207
955

(over)

* Indicates Electric Log tops in the remarks section.

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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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 July 25, 1972

Surface Owner Nicholas Prunty Heirs

Company RAMCO Oil & Gas Corp.

Address Centerpoint, W. Va.

Address P.O. Box 99, Belpre, Ohio 45714

Mineral Owner Nicholas Prunty Heirs

Farm Nicholas Prunty Acres 35.5

Address Centerpoint, W. Va.

Location (waters) Talkington Fork

Coal Owner Nicholas Prunty Heirs

Well No. 1 Elevation 1207'

Address Centerpoint, W. Va.

District McClellan County Doddridge

Coal Operator None - no coal is being mined

Quadrangle Centerpoint

Address in this area.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the drilling Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-31-72 12-1-72.

James L. Jones
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED William Blosser
Colfax, W. Va. PH: 368-9105

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 March 18, 19 72 by C. W. Mutschelknaus et al made to RAMCO Oil & Gas Corp. and recorded on the 19th day of March 19 72, in Doddridge County, Book 95 Page 681

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: Mal 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.

DOD-1684

BOND DRILL

PERMIT NUMBER

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Hank Snow _____ NAME Brad Crouse _____
 ADDRESS Salem, W. Va. _____ ADDRESS Rt. 1, Box 174, Grantsville, W. Va. _____
 TELEPHONE (304) 782-1356 _____ TELEPHONE (304) 354-7657 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2232' _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun _____
 TYPE OF WELL: OIL _____ GAS _____ 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	180'	180'	180'
7			
5 1/2			
4 1/2		2232'	350'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS none _____
 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