



Minimum Error of Closure 1 in 200

Source of Elevation E.M. on Road 500' from location = 830

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: [Signature]
Squares: N S E W

Map No.

Company Ramco Oil & Gas Corp
 Address P.O. Box 99, Belore, Ohio
 Farm Elizabeth Sackman
 Tract _____ Acres 120 Lease No. _____
 Well (Farm) No. one Serial No. _____
 Elevation (Spirit Level) 878
 Quadrangle Centerpoint
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Sept. 12, 1972 Scale 1" = 400' = 660'

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

WELL LOCATION MAP

FILE NO. DDO-1691

+ 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.



JUL 24 1973

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-1691

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm Elizabeth Seckman Acres 120
Location (waters) _____
Well No. 1 Elev. 878'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Elizabeth Seckman et al
Address Centerpoint, W. Va.
Mineral rights are owned by Elizabeth Seckman et al
Address Centerpoint, W. Va.
Drilling Commenced 9/15/72
Drilling Completed 9/22/72
Initial open flow _____ cu. ft. _____ bbls.
Final production on 200,000^m cu. ft. per day _____ bbls.
Well open 24 hrs. before test 510[#] 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	558'	558'	150 sks.
7			
5 1/2			
4 1/2		1965'	55 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co.
Fractured - DOWELL - 700 bbls. water; 1500 gals. X acid; 42,000[#] 20/40 sand.

Perforations: 1878' - 1880' - 4 holes; 1888' - 1890' - 3 holes; 1896' - 1898' - 2 holes;
1904' - 1908' - 3 holes; 1910' - 1912' - 3 holes.

Coal was encountered at 511' - 517' Feet 72" Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Big Injun 1878' - 1902' Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface		Soft	0	15		
Red Rock & Shale		Soft	15	73		
Shale & Sand		Soft	73	152		
Lime & Sand		Hard	152	200		
Shale & Sand		Soft	200	511		
Coal		Soft	511	517		
Shale & Sand		Soft	517	550		
Shale		Soft	550	558		
Sand & Shale		Soft	558	1125		
Shale		Soft	1125	1190		
Sand		Hard	1190	1255		
Shale		Soft	1255	1420		
Sand		Hard	1420	1580		
Shale & Sand		Soft	1580	1760		
Lime		Hard	1760	1879		
Sand		Hard	1879	1962		

*Big Lime 1785' - 1844'
*Keener 1844' - 1862'
*Big Injun 1862' - 1926'
*Squaw 1926' - 1950'

(over)

* Indicates Electric Log tops in the remarks section.

JUL 24 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
SEP 14 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 September 13, 1972
Company RAMCO Oil & Gas Corp.
Address P.O. Box 99, Belpre, Ohio 45714
Farm Elizabeth Seckman Acres 120
Location (waters) Robinson Fork
Well No. 1 Elevation 878'
District McClellan County Doddridge
Quadrangle Centerpoint

Surface Owner Elizabeth Seckman et al
Address Centerpoint, W.Va.
Mineral Owner Elizabeth Seckman et al
Address Centerpoint, W.Va.
Coal Owner fee
Address _____
Coal Operator None - no coal is being mined
Address in this area.

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 1-14-73

Robert S. Blosser
Deputy Director - Oil & Gas Division

Inspector to be notified William Blosser
Colfax, W. Va. PH: 363-9105

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 February 15, 1972 by James F. Scott made to RAMCO Oil & Gas Corp. and recorded on the 10th day of February 1972, in Doddridge County, Book 95 Page 819
* 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) 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

Survey

**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: 2,011' 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	<u>125' 200'</u>	<u>125' 200'</u>	<u>125' 200'</u>
7			
5 1/2			
4 1/2		<u>2011'</u>	<u>350'</u>
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