



Minimum Error of Closure 1 in 200'

Source of Elevation USGS B.M. 3000' west of Sedalia - 840'

- 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: Michael J. Smith

Map No. _____ Squares: N S E W

Company BAMCO OIL & GAS CO.
 Address P.O. Box 99, Delpre, Ohio
 Farm Samuel Tate
 Tract _____ Acres 120.11 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1193
 Quadrangle Centerpoint
 County Doddridge District McClellan
 Engineer Michael J. Smith
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date July 8, 1972 Scale 1" = 400' 660'

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

WELL LOCATION MAP

FILE NO. DOD-1685

+ 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.



RECEIVED

MAR 14 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Centerpoint

Permit No. DOD-1685

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm Samuel Tate Acres 180.11
Location (waters) Robinson Fork
Well No. 1 Elev. 1193'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Joseph Curry
Address Sedalia, W. Va.
Mineral rights are owned by Bertha Vincent
Address Centerpoint, W. Va.
Drilling Commenced 9/24/72
Drilling Completed 10/2/72
Initial open flow _____ cu. ft. _____ bbls.
Final production 960,000 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	588'	588'	150 sks.
7			
5 1/2			
4 1/2		2310	100 sks.
3			
2			
Liners Used			

Well treatment details:

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

Perforated - Hitt Well Surveys, Inc. - 2214' to 2218' - 16 holes.

Fractured - DOWELL - 10/24/72 - 1095 bbls. water, 54,000# 20/40 sand, 250 gals. regular acid.

Coal was encountered at none Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2205' to 2226'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil & Shale		Soft	0	23		
Sand & Shale		Soft	23	130		
Sand		Hard	130	190		
Shale w/Sand		Soft	190	499		
Sand w/Shale		Soft	499	615		
Limy Sand		Hard	615	740		
Sand & Shale		Soft	740	1005		
Sandy Shale		Soft	1005	1380		
Sand & Shale		Soft	1380	1510		
Sand		Hard	1510	1560		
Sand & Shale		Soft	1560	1685		
Sandy Shale		Soft	1685	1743		
Sand & Shale		Soft	1743	1860		
Shale, red & gray		Soft	1860	2063		
Little Lime		Hard	-2063	2079		*2063
Pencil Cave		Soft	2079	2106		*2079
Big Lime		Hard	-2106	2159		*2106
Keener		Hard	2159	2181		*2159
Shale		Soft	2181	2192		
<u>Big Injun</u>		Hard	2192	2253		*2192
<u>Squaw</u>		Hard	2253	2310 T.O.		

(over)

* Indicates Electric Log tops in the remarks section.

MAR 28 9 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 31 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 July 28, 1972

Surface Owner Joseph Curry
Address Centerpoint, W. Va.
Mineral Owner Bertha Vincent
Address Centerpoint, W. Va.
Coal Owner Bryan Ash
Address Centerpoint, W. Va.
Coal Operator None - no coal is being mined
Address in this area.

Company BAMCO Oil & Gas Corp.
Address P. O. Box 79, Salsps, Ohio 45714
Farm Samuel Tate Acres 180.11
Location (waters) Robinson Fork
Well No. 1 Elevation 1190'
District McClellan County Doddridge
Quadrangle Centerpoint

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 12-1-72.

Robert R. Ford
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 10, 19 72 by James F. Scott made to BAMCO Oil & Gas Corp. and recorded on the 18th day of February 19 72, 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: [Signature]
Well Operator
P. O. Box 79

Address of Well Operator
Street Salsps
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

DOD-1685

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 Mark Snow NAME Bred Crown

ADDRESS Salem, W. Va. ADDRESS Box 174, Grantsville, W. Va.

TELEPHONE (304) 782-1156 TELEPHONE (304) 354-7657

ESTIMATED DEPTH OF COMPLETED WELL: 2215' 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		2215'	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