



Minimum Error of Closure 1 in 200

Source of Elevation U.S.G.S. B.M. at mouth of Lynn Camp Run = 912

- 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: Walter J. [Signature]
 Squares: N S E W

Company RAMCO OIL & GAS CORP.
 Address P.O. Box 99, Belore, Ohio
 Farm T.S. Chipps
 Tract Acres 33.5 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1307
 Quadrangle Centerpoint 5C
 County Doddridge District McClellan
 Engineer Walter J. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date February 27, 1974 Scale 1" = 30 poles = 695'

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

WELL LOCATION MAP

FILE NO. DOD-1789

+ 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.

47-017



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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DEPT. OF MINES

WELL RECORD

Quadrangle Centerpoint

Permit No. DOD-1789

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

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm T. S. Chipps Acres 33.5
Location (waters) _____
Well No. 1 Elev. 1307'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
T. S. Chipps
Address Salem, W. Va.
Mineral rights are owned by T. S. Chipps
Address Salem, W. Va.
Drilling Commenced 10/12/75
Drilling Completed 10/25/75
Initial open flow show cu. ft. _____ bbls.
Final production 146MCF cu. ft. per day _____ bbls.
Well open _____ hrs. before test 390# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 2 -10"	100	100	30 sks.
9 5/8			
8 5/8			
7	980	980	160 sks.
5 1/2			
4 1/2		2377	62 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. Lawson, Inc.

Well Fractured: Halliburton - 250 gals. 15% HCL; 2,000 gals 31% HCL; 36,000# 20/40 sand; 500# 10/20 sand; 727 bbls. water.

Well Perforated: Hitt Well Surveys, Inc. - 2299' to 2305' - 9 holes.

Coal was encountered at 930' to 935' Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2298' to 2316'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface, Clay & Red Rock			0	45		
Sand & Shale			45	930		
Coal			930	935		
Sand, Shale & Red Rock			935	1765		
Maxon			1765	1950		
Sand			1950	2000		
Shale			2000	2066		
Sand			2066	2128		
Sand & Lime			2128	2194*		*Top of Big Lime
Big Lime			-2194	2260*		*Top of Keener
Keener			2260	2296*		*Top of Big Injun
Big Injun			2296	2322		
Shale			2322	2356		

(over)

* Indicates Electric Log tops in the remarks section.



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 September 30, 1975

Surface Owner T. S. Chipps

Company RAMCO Oil & Gas Corp.

Address Salem, W. Va.

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

Mineral Owner T. S. Chipps

Farm T. S. Chipps Acres 33.5

Address Salem, W. Va.

Location (waters) _____

Coal Owner T. S. Chipps

Well No. 1 Elevation 1307'

Address Salem, W. Va.

District McClellan County Doddridge

Coal Operator None - no coal is being mined

Quadrangle Centerpoint

Address _____ in the area.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

If 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 2-2-76.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett
PH: 622-3871 ADDRESS Clarksburg, W. Va.

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 January 25, 1974 by Randall V. Roton made to RAMCO Oil & Gas Corp. and recorded on the 13th day of May 1974, in Doddridge County, Book 98 Page 550

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, W. Va. 26505
AC 304-296-4461

Very truly yours, RAMCO Oil & Gas Corp.
(Sign Name) by: Carl E. Moore
Well Operator
P. O. Box 99
Street
Belpre
City or Town
Ohio 45714
State

Address
of
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

DOD-1789

PERMIT NUMBER

47-017

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 Snow Drilling Company NAME Deon Sturm

ADDRESS Salem, West Virginia ADDRESS 3514 Cadillac Dr., Parkersburg, W. Va.

TELEPHONE (304) 782-1356 TELEPHONE (304) 422-2014

ESTIMATED DEPTH OF COMPLETED WELL: _____ 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	1000'	1000'	cemented to surface
7			
5 1/2			
4 1/2		2400'	350'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET

APPROXIMATE COAL DEPTHS 970'

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