



NOTE:- That portion of the Isaac Smith tract lying south of the Talkington Fork Road assigned to McRain Petroleum Co.

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. McRain No. 1 = 817'

- 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: W. S. Taylor, Jr.  
 Squares: N S E W

Map No. \_\_\_\_\_

Company Ramco Oil & Gas Corp  
 Address P.O. Box 99, Belpre, Ohio  
 Farm Isaac Smith  
 Tract \_\_\_\_\_ Acres 105.75 Lease No. \_\_\_\_\_  
 Well (Farm) No. Ramco One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1205  
 Quadrangle Centerpoint  
 County Doddridge District McGlellan  
 Engineer W. S. Taylor, Jr.  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date March 7, 1972 Scale 1" = 40p = 660'

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

**WELL LOCATION MAP**

FILE NO. DDO-1666

+ 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**

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

Quadrangle Centerpoint

Permit No. DOD-1666

Company RAMCO Oil & Gas Corp.  
Address P. O. Box 99, Belpre, Ohio 45714  
Farm Isaah Smith Acres 105.75  
Location (waters) Talkington Fork  
Well No. 1 Elev. 1205'  
District McClellan County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Stella Smith Heirs et al  
Address Centerpoint, W. Va.  
Mineral rights are owned by Stella Smith Heirs et al  
Address Centerpoint, W. Va.  
Drilling Commenced March 13, 1972  
Drilling Completed March 21, 1972  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 1,000,000 cu. ft. per day \_\_\_\_\_ bbls.  
Well open 48 hrs. before test 575# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			60 sks.
Cond. 13-10"			
9 5/8			
8 5/8	211	211	
7			
5 1/2			
4 1/2		2279	
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co., Inc  
Perforated - Hitt Well Surveys, Inc. - 2234' to 2238' - 16 holes.  
Fractured - 10/17/72 - Halliburton - 635 bbls. 28,000# 20/40 sand.

Coal was encountered at none Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 160' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun Depth 2225' to 2244'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale		Soft	0	180		hole damp at 65', water at 160'
Sand		Hard	180	209		
Sand, Shale, Red Rock		Soft	209	770		
Sand & Shale		Soft	770	1011		
Shale w/Sand Stks.		Soft	1011	1435		
Shale		Soft	1435	1779		
Sand, Shale & Red Rock		Soft	1779	2011		
Shale, gray & red		Soft	2011	2089		
Little Lime		Hard	2089	2102		
Pencil Cave		Soft	2102	2130		
Big Lime		Hard	2130	2190		*2130'
Keener		Hard	2190	2212		
<u>Big Injun</u>		Hard	2212	2262		*2212'
Squaw		Hard	2262	2300		
TD			2300			

(over)

\* Indicates Electric Log tops in the remarks section.

MAR 29 1973



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MAR 10 1972

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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 March 9, 1972  
Company RAMCO Oil & Gas Corp.  
Address P.O. Box 99, Belpre, Ohio 45714  
Farm Isaac Smith Acres 105.75  
Location (waters) Talkington Fork  
Well No. 1 Elevation 1205'  
District McClellan County Doddridge  
Quadrangle Centerpoint

Surface Owner Stella Smith Heirs  
Address various  
Mineral Owner Stella Smith Heirs  
Address various  
Coal Owner Stella Smith Heirs  
Address various  
Coal Operator None  
Address \_\_\_\_\_

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 July 10, 1972  
Robert L. Judd  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Mr. Wm. Blasser  
Box 26  
Calroy W. Va. PH: 363-9105  
26566

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 September 24, 1971 by Stella Smith made to Mckain Petroleum Co. and recorded on the 11th day of December 1971, in Doddridge County, Book 95 Page 294  
\* 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: Carl E Moore  
Well Operator RAMCO Oil & Gas Corp.  
P. O. Box 99 vpres

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.

DODD-1666

PERMIT NUMBER

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) Hank Snow RESPONSIBLE AGENT: Brod Crouse  
 NAME Salem, W. Va. NAME Box 174, Grantsville, W. Va.  
 ADDRESS (304) 782-1356 ADDRESS (304) 354-7657  
 TELEPHONE 2390 TELEPHONE \*  
 ESTIMATED DEPTH OF COMPLETED WELL: Big Injun 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	700	700	700
7			
5 1/2	2390	2390	350
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS No  
 IS COAL BEING MINED IN THE AREA? \_\_\_\_\_ 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