

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. N.N.G.C. Well No. 726 = 965'

- 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. M. Bocher  
 Squares: N S E W

Company Ramco Oil & Gas Co.  
 Address P.O. Box 99, Balpre, Ohio  
 Farm Martha Swiger  
 Tract Acres 7896 Lease No. \_\_\_\_\_  
 Well (Farm) No. Ramco 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1075'  
 Quadrangle Centerpoint EC  
 County Doddridge District McClellan  
 Engineer W. M. Bocher  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date March 28, 1972 Scale 1" = 300' = 495'

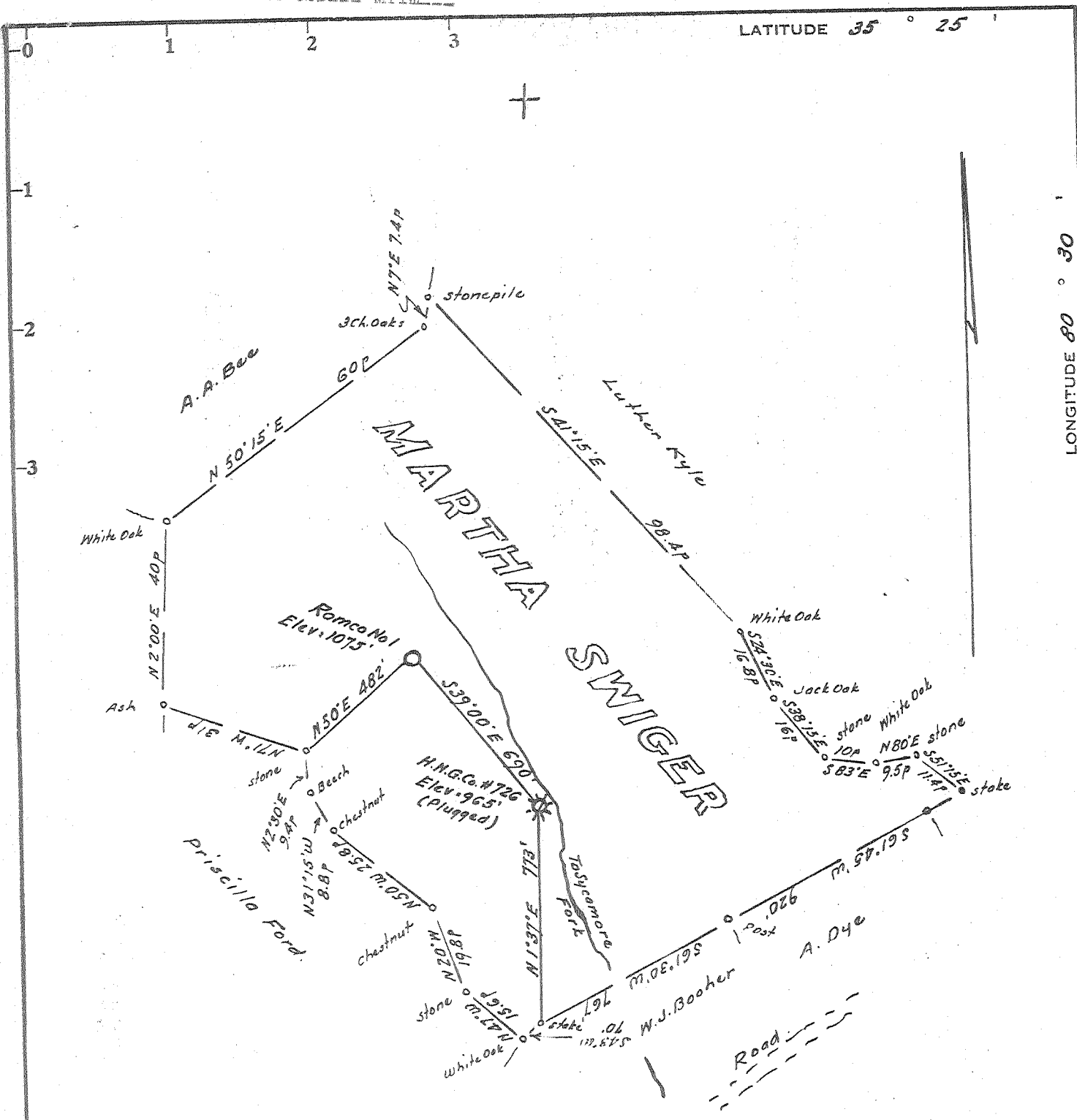
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP

FILE NO. DDO-11668  
 Corrected Latitude

+ 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.



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. H.N.G. Co. Well No 726 = 965'

- Fracture.....
- New Location.....
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- 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. H. Hoover  
 Squares: N S E W

Map No.

Company Ramco Oil & Gas Co.  
 Address P.O. Box 99, Belpre, Ohio  
 Farm Martha Swiger  
 Tract \_\_\_\_\_ Acres 78 ac Lease No. \_\_\_\_\_  
 Well (Farm) No. Ramco 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1075  
 Quadrangle Centerpoint EC  
 County Doddridge District McClellan  
 Engineer W. H. Hoover  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date March 28, 1972 Scale 1" = 300' = 495'

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

**WELL LOCATION MAP**

FILE NO. DOP - 1668

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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  No. \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Centerpoint  
Permit No. DODD-1668

Company RAMCO Oil & Gas Corp.  
Address P. O. Box 99, Belpre, Ohio 45714  
Farm Martha Swiger Acres 71  
Location (waters) Sycamore  
Well No. 1 Elev. 1075'  
District McClellan County Doddridge  
The surface of tract is owned in fee by Virgil Constable  
Address Centerpoint, W. Va.  
Mineral rights are owned by Fred Freeman Heirs et al  
Address West Union, W. Va.  
Drilling Commenced March 29, 1972  
Drilling Completed April 5, 1972  
Initial open flow 50,000 cu. ft. bbls.  
Final production \_\_\_\_\_ cu. ft. per day ~~1500~~ bbls.  
Well open \_\_\_\_\_ hrs. before test 450 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	186'	186'	40 sks.
7			
5 1/2			
4 1/2		2090'	45 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated - Hitt Well Surveys, Inc. - 2028' to 2032' - 16 holes  
Fractured - DOWELL - 10/24/72 - 802 bbls., 18,000# 20/40 sand

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun Depth 2026' to 2038'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock & Shale		Soft	0	280		
Shale w/Sand Stks.		Soft	280	670		
Shale & Sand		Soft	670	790		
Sand		Hard	790	950		
Sand & Shale		Soft	950	1165		
Sand w/ Shale Stks.		Soft	1165	1440		
Shale w/Sand Stks.		Soft	1440	1650		
Sand		Hard	1650	1724		
Red & Gray Shale, sandy		Soft	1724	1890		
Little Lime		Hard	1890	1908		
Pencil Cave		Soft	1908	1934		
Big Lime		Hard	1934	1991		* 1934'
Keener		Hard	1991	2006		
Shale		Soft	2006	2014		
<u>Big Injun</u>		Hard	2014	2051		* 2014'
<u>Squaw</u>		Hard	2051	2090		
TD			2090			

(over)

\* Indicates Electric Log tops in the remarks section.

MAR 29 1973



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
MAR 28 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 March 28, 1972

Surface Owner Virgil P. Constable

Company RAMCO Oil & Gas Corp.

Address Centerpoint, W. Va.

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

Mineral Owner Frank Freeman Heirs

Farm Martha Swiger Acres 71

Address West Union, W. Va.

Location (waters) Sycamore

Coal Owner T. B. and D. S. Smith

Well No. 1 Elevation 1075'

Address Centerpoint, W. Va.

District McClellan County Doddridge

Coal Operator None - no coal being mined in

Quadrangle Centerpoint

Address 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 July 28, 1972.

INSPECTOR TO BE NOTIFIED

William Blosser  
Cal Jay, WVA, PH: 363-9105  
26566

Deputy Director - Oil & Gas Division

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, 1972 by James F. Scott made to RAMCO Oil & Gas Corp. and recorded on the 18th day of February 1972, 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, RAMCO Oil & Gas Corp.  
(Sign Name) by: Neal Rudder  
Well Operator

Address  
of  
Well Operator

P. O. Box 99  
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

Wod-1668 PERMIT NUMBER

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: Brad Crouse  
 NAME Salem, W. Va. NAME Rt. #1, Box 174, Grantsville, W. Va.  
 ADDRESS (304) 782-1356 ADDRESS (304) 354-7657  
 TELEPHONE \_\_\_\_\_ TELEPHONE 2330'  
 ESTIMATED DEPTH OF COMPLETED WELL: Big Injun ROTARY \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 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	180'	180'	180'
8 - 5/8	180'	180'	180'
7			
5 1/2		2330'	350'
4 1/2		2330'	350'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom
	50		

APPROXIMATE FRESH WATER DEPTHS none 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