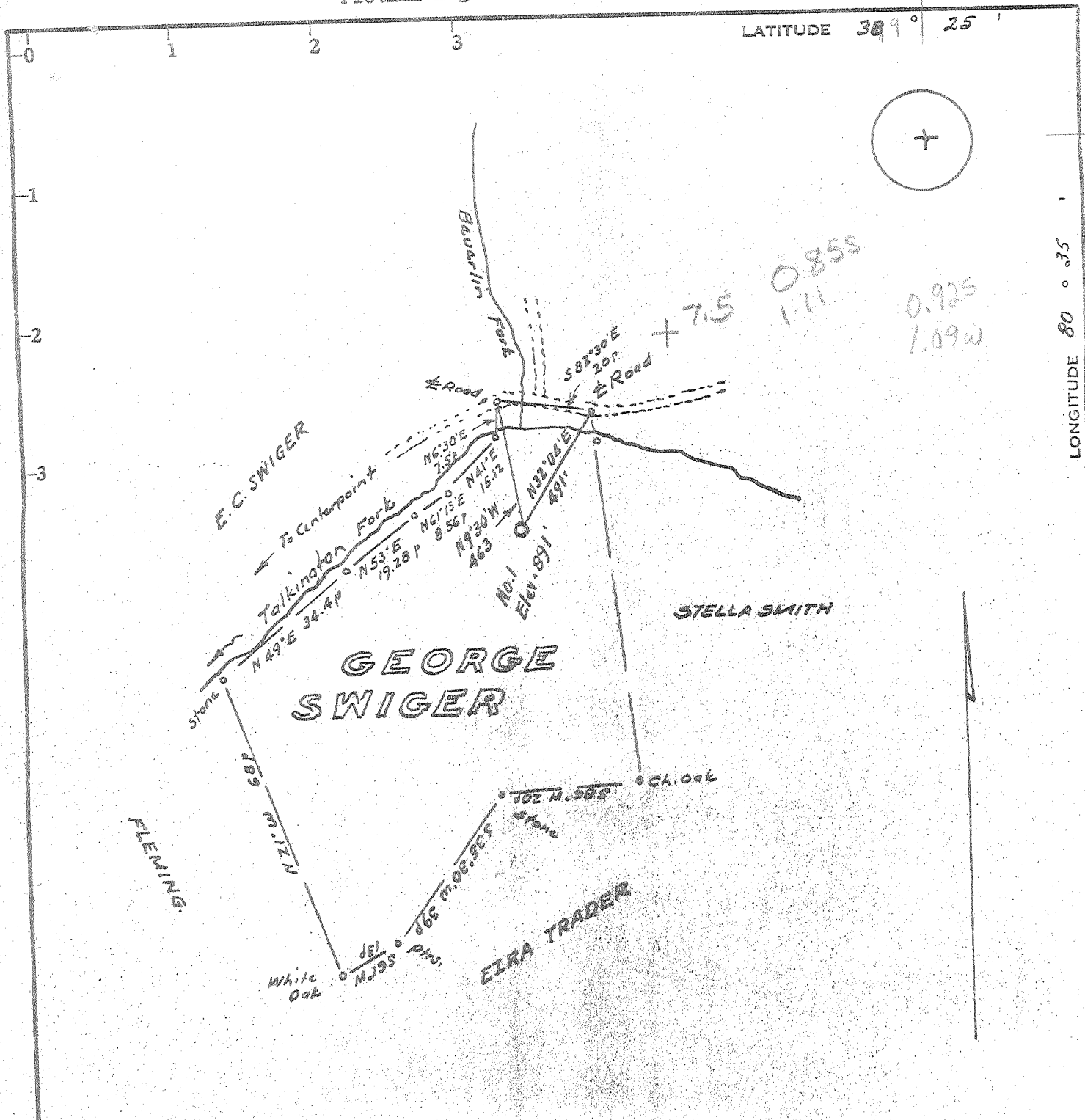


LATITUDE 38° 25'



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. at mouth of Beverlin = 823'

- 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 Ranco Oil & Gas Corp

Address P.O. Box 99, Delpre, Ohio

Farm George Swiger

Tract \_\_\_\_\_ Acres 28.4 Lease No. \_\_\_\_\_

Well (Farm) No. One Serial No. \_\_\_\_\_

Elevation (Spirit Level) 891'

Quadrangle Centerpoint C

County Doddridge District McClellan

Engineer [Signature]

Engineer's Registration No. 1227

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date Dec. 11, 1972 Scale 1" = 300' = 495'

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

WELL LOCATION MAP

FILE NO. Prod. - 1718

+ 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 and Gas Division  
WELL RECORD

OIL & GAS DIVISION  
DEPT. OF MINES

39-30  
5-A  
②

Quadrangle Centerpoint

Permit No. DOD-1718

Rotary  Oil  
Cable  Gas  Comb.  No. 1  
Recycling  Comb.   
Water Flood  Storage   
Disposal  (Kind)

Company RAMCO Oil & Gas Corp.  
Address P. O. Box 99, Belpre, Ohio 45714  
Farm George Swiger Acres 38.4  
Location (waters) Talkington Fork  
Well No. 1 Elev. 891'  
District McClellan County Doddridge  
The surface of tract is owned in fee by George Swiger  
Address Morgantown, W. Va.  
Mineral rights are owned by George Swiger et al  
Address Morgantown, W. Va.  
Drilling Commenced 12/31/72  
Drilling Completed 1/7/73  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 480 MCF 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	227'	227'	70 sks.
7			
5 1/2			
4 1/2		1950'	75 sks.
3			
2			
Liners Used			

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

Fractured - 585 bbls. water; 27,000 # 20/40 sand; 500# 10/20 sand; 500 gals. 15% acid.

Perforated: 1909' - 1911' 3 holes; 1916' - 1922' 7 holes; 1924' - 1928' 4 holes.

Coal was encountered at none reported Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun Depth 1903' - 1928'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface		Soft	0	20		
Lime & Red Rock		Soft	20	120		
Lime		Hard	120	185		
Lime & Shale		Soft	185	250		
Lime & Sand		Hard	250	570		
Lime & Shale		Soft	570	1770		
Little Lime		Hard	1770	1788		
Pencil Cave		Soft	1788	1816		
*Big Lime		Hard	1816	1873		
*Keener		Hard	1873	1888		
Shale		Soft	1888	1892		
*Big Injun		Hard	1892	1935		
Shale		Soft	1935	1945		
TD			1945			

\* Indicates Electric Log tops in the remarks section.

(over)

JUN 29 1973



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
DEC 12 1972  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE December 12, 1972  
Company RAMCO Oil & Gas Corp.  
Address P. O. Box 99, Belpre, Ohio 45714  
Farm George Swiger Acres 38.4  
Location (waters) Talkington Fork  
Well No. 1 Elevation 891'  
District McClellan County Doddridge  
Quadrangle Centerpoint,

Surface Owner Fee  
Address \_\_\_\_\_  
Mineral Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

INSPECTOR TO BE NOTIFIED Mr. Wm. Blosser  
Box 1857  
Colfax, W. Va. PH: XXXXXXXX Fairmont  
26566 363-9105

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 4-12-73

Robert L. Fode  
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 March 18, 1972 by M & M Oil & Gas Co. made to RAMCO Oil & Gas Corp. and recorded on the 1st day of April 1972, in Doddridge County, Book 95 Page 681

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: Russell V. Patton, Asst. Supt.  
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

DODD-1718

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 Garden Drilling Company NAME Brad Crouse  
 ADDRESS Salem, Illinois ADDRESS Rt. 1, Box 174, Grantsville, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE (304) 354-7657  
 ESTIMATED DEPTH OF COMPLETED WELL: 1950' 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	200'	200'	cement to surface
7			
5 1/2			
4 1/2		1950'	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