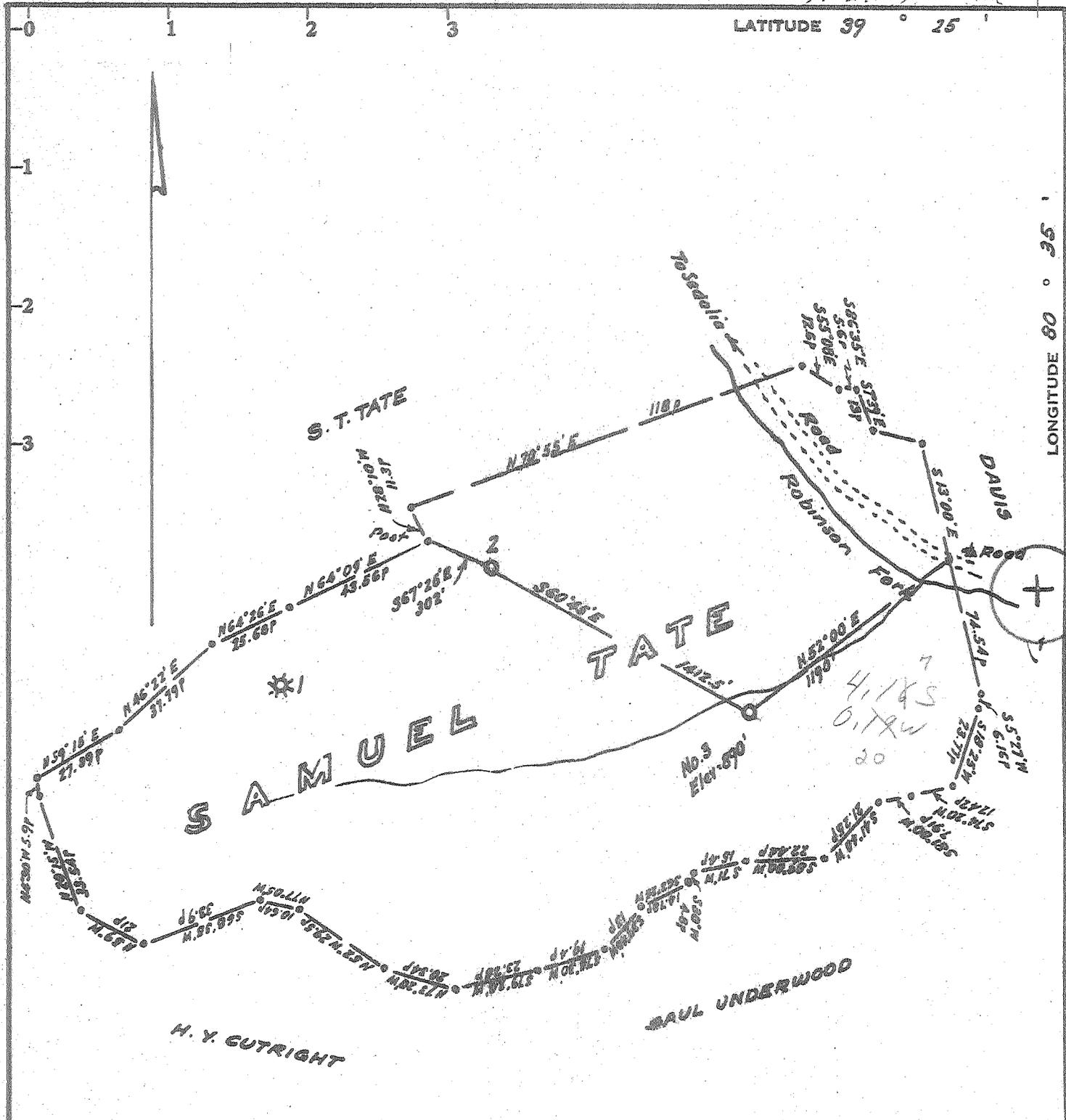


11-29-71



LATITUDE 39 ° 25'

LONGITUDE 80 ° 35'

Minimum Error of Closure Lin 200'

Source of Elevation USGS 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: [Signature]
Squares: N S E W

Map No.

Company H. RAMCO OIL & GAS CORP
 Address P.O. Box 99, Bellevue, Ohio
 Farm Samuel Tate
 Tract _____ Acres 180.11 Lease No. _____
 Well (Farm) No. Three Serial No. _____
 Elevation (Spirit Level) 890'
 Quadrangle Centerpoint
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 19, 1972 Scale 1" = 400' = 660'

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

WELL LOCATION MAP

FILE NO. DOD-1711

+ 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.

TRASCO



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle Centerpoint
Permit No. DOD-1711

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 Samuel Tate Acres 180.11
Location (waters) Robinson Fork
Well No. 3 Elev. 890'
District McClellan County Doddridge
The surface of tract is owned in fee by Joseph Curry
Address Centerpoint, W. Va.
Mineral rights are owned by Bertha Vincent
Address Centerpoint, W. Va.
Drilling Commenced 11/23/72
Drilling Completed 12/ 5/72
Initial open flow _____ cu. ft. _____ bbls.
Final production 843,000 cu. ft. per day _____ bbls.
Well open 24 hrs. before test 480# 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	208'	208'	60 sks.
7		600'	run on PARMACO Hookwall Packer
5 1/2			75 sks.
4 1/2		2023'	
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co., Inc.
Fractured - DOWELL - 748 bbls water; 1500 gals X acid; 15,000# 20/40 sand; 500# 10/20 sand.

Perforated: 1916' to 1924' - 16 holes.

Coal was encountered at 560' Feet 60" Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay		Soft	0	20		
Shale & Red Rock		Soft	20	560		
Coal		Soft	560	565		
Sandy Shale		Soft	565	1200		
Lime		Hard	1200	1250		
Shale		Soft	1250	1460		
Sandy Shale		Soft	1460	1700		
Shale		Soft	1700	1778		
Sand & Lime		Hard	1778	1792		
* Pencil Cave		Soft	1792	1812		
* Big Lime		Hard	1812	1868		
* Keener		Hard	1868	1904		
* Big Injun		Hard	1904	1938		
* Squaw		Hard	1938	1998		
Shale		Soft	1998	2028		
TD			2028			

(over)

* Indicates Electric Log tops in the remarks section.

SEP 10 1973



RECEIVED

NOV 21 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 9, 1972

Surface Owner Joseph Curry

Company RAMCO Oil & Gas Corp.

Address Centerpoint, W. Va.

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

Mineral Owner Bertha Vincent

Farm Samuel Tate Acres 180.11

Address Centerpoint, W. Va.

Location (waters) Robinson Fork

Coal Owner Bryan Ash

Well No. 3 Elevation 890'

Address Centerpoint, W. Va.

District McClellan County Doddridge

Coal Operator None - no coal is being mined

Quadrangle Centerpoint

Address in 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 commenced by March 21, 1973

Robert L. Hester
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Bill 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, 1972 by James F. Scott made to RAMCO 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, RAMCO Oil & Gas Corp.

(Sign Name) by: Randall S. Arton
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.

3483 DRILL

DOD-1711

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 Hank Snow NAME Brad Crouse
 ADDRESS Salem, W. Va. ADDRESS Rt. 1, Box 174, Grantsville, W. Va.
 TELEPHONE (304) 782-1356 TELEPHONE (304) 354-7657
 ESTIMATED DEPTH OF COMPLETED WELL: 2055' 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'	200'
7			
5 1/2			
4 1/2		2055'	350'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET SALT WATER FEET
 APPROXIMATE COAL DEPTHS 540'
 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