

Minimum Error of Closure Lin 200'

Source of Elevation Elev. Well No. 1 = 1193

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. [Signature]

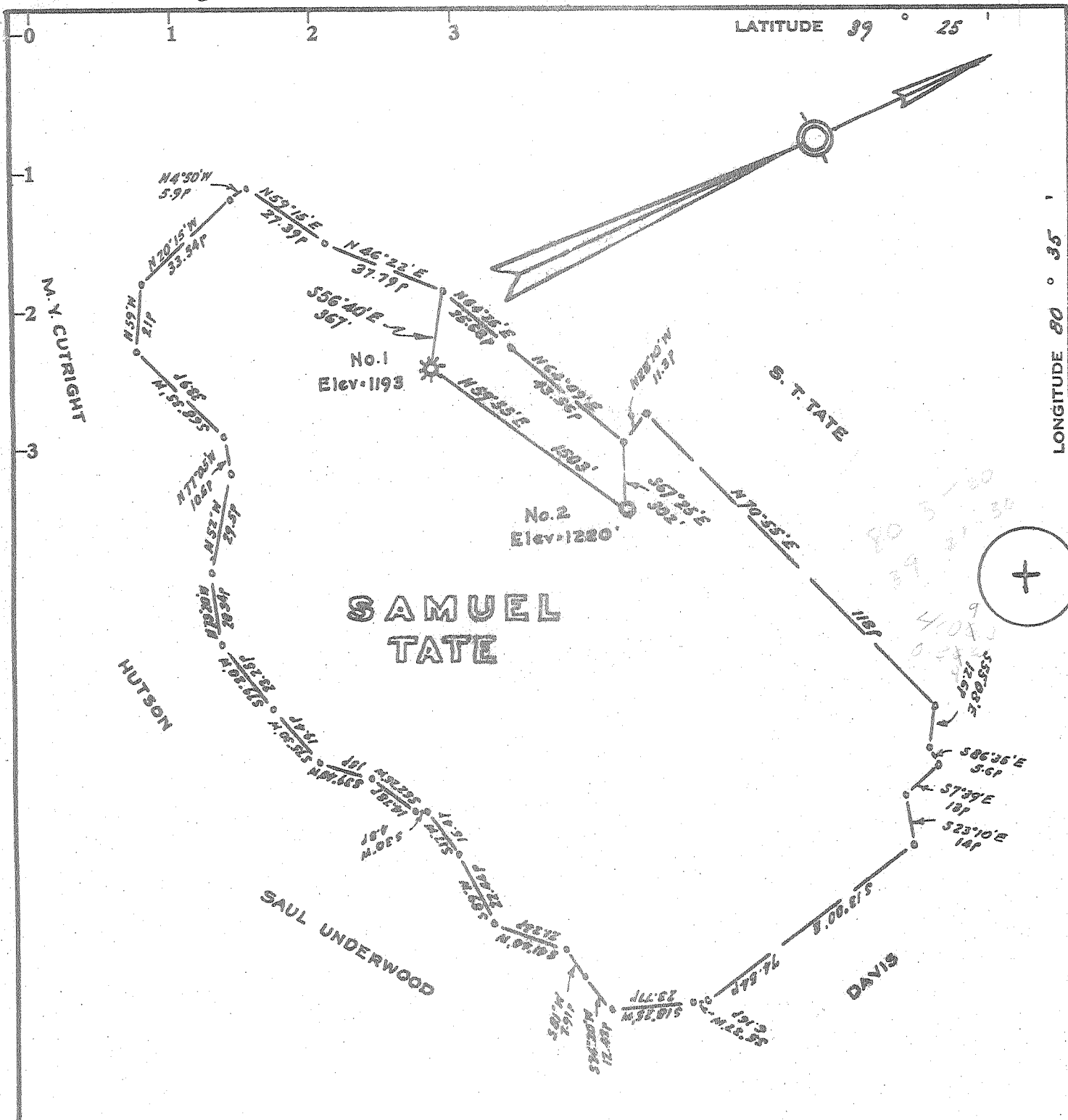
Company RAMCO OIL & GAS CORP.
 Address P.O. Box 99, Balcaro, Ohio
 Farm Samuel Tate
 Tract Acres 180.11 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1220'
 Quadrangle Centerpoint
 County Doddridge District McGillan
 Engineer [Signature]
 Engineer's Registration No. 1221
 File No. _____ Drawing No. _____
 Date Nov. 16, 1972 Scale 1" = 400' - 650'

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

WELL LOCATION MAP

FILE NO. Dodd-1710-P

+ 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



SAMUEL TATE

Minimum Error of Closure Lin 200'

Source of Elevation Elev. Well No. 1 - 1193

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

Company RAMCO OIL & GAS CORP.
 Address P.O. Box 99, Belaire, Ohio
 Farm Samuel Tate
 Tract _____ Acres 180.11 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1280'
 Quadrangle Centerpoint C
 County Doddridge District McClellan
 Engineer Hubert J. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 16, 1972 Scale 1" = 40p = 660'

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

WELL LOCATION MAP
 FILE NO. Dodd-1710

+ 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.



RECEIVED

JUN 21 1973

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 _____ **Dry**
(Kind)

Quadrangle Centerpoint

Permit No. DOD-1710

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. 2 Elev. 1193'
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 3/2/73
Drilling Completed 3/13/73
Initial open flow _____ cu. ft. _____ bbls.
Final production dry cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ 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	877'	877'	160 sks.
7			
5 1/2			
4 1/2		2165'	75 sks.
3			
2			
Lines Used			

Well treatment details:

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

Fractured - DOWELL - 500 gal. acid; 560 bbls. water; 28,000# 20/40 sand; no gas, oil or water after treatment.

Perforated: 1944' - 1946' - 3 holes; 1961' - 1963' - 2 holes; 1968' - 1974' - 7 holes.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Green Sand		Hard	0	60		
Sandy Shale		Soft	60	95		
Sand		Hard	95	145		
Green Sand		Hard	145	211		
Red Rock, Sd. & Sh.		Soft	211	265		
Sand & Shale		Soft	265	390		
Sandy Shale		Soft	390	530		
Sand & Shale		Soft	530	885		
Sandy Shale		Soft	885	1090		
Red Rock, Sh., Sd.		Soft	1090	1305		
Sand & Shale		Soft	1305	1940		
*Maxon		Hard	1940	2036		
Sand & Shale		Soft	2036	2119		
*Little Lime		Hard	- 2119	2129		
*Pencil Cave		Soft	2129	2156		
*Big Lime		Hard	- 2156	2243		
*Big Injun		Hard	2243	2266		
Sand & Shale		Soft	2266	2307		
TD			2307			

(over)

* Indicates Electric Log tops in the remarks section.

JUL 3 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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NOV 16 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 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. 2 Elevation 1220'

Address Centerpoint, W. Va.

District McClellan County Doddridge

Coal Operator None - no coal is being mined

Quadrangle Centerpoint

Address in this area.

INSPECTOR TO BE NOTIFIED Blaser
Box 1857 PH: Fairmont
Calfart, W.Va. 363-9105
26566

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 3-16-73.

Robert K. Fodde
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: Randall V. Patton Asst. Sect.
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-1710 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) _____ 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: 2375' _____ 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		2375'	350'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 870' _____
 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