

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Samuel Saddler No. 1 - 1261'

- Fracture
- New Location
- Drill Deeper
- Abandonment 11/4/75

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	<u>RAMCO OIL & GAS CORP.</u>
Address	<u>P.O. Box 99, Balpre, Ohio</u>
Farm	<u>Lewis E. Davis</u>
Tract	<u>Acres 83</u> Lease No. _____
Well (Farm) No.	<u>One</u> Serial No. _____
Elevation (Spirit Level)	<u>1258</u>
Quadrangle	<u>Centerpoint SC</u>
County	<u>Doddridge</u> District <u>McClellan</u>
Engineer	<u>[Signature]</u>
Engineer's Registration No.	<u>1227</u>
File No.	Drawing No. _____
Date	<u>Dec. 26, 1973</u> Scale <u>1" = 400' = 660'</u>

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

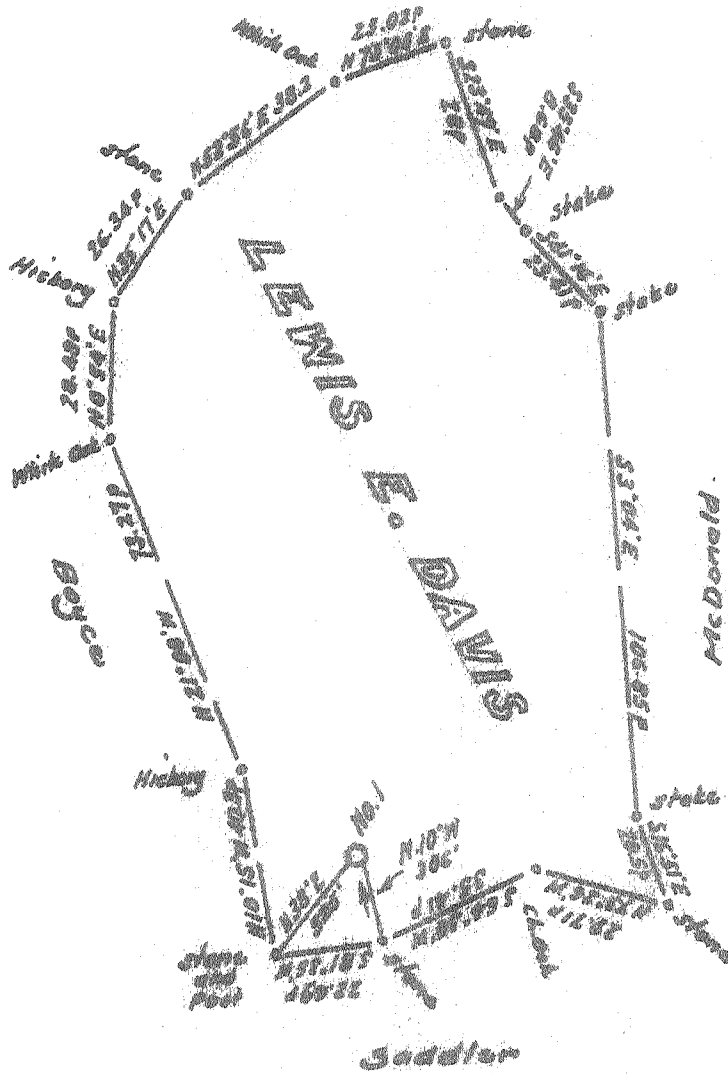
WELL LOCATION MAP

FILE NO. Dodd-1761-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.

47017



Minimum Error of Closure Lin 200'

Source of Elevation Blv. Samuel Saddler No. 1 - 1261'

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Signed: [Signature]
 Squares: N S E W

Map No. _____

Company RAMCO OIL & GAS CORP

Address P.O. Box 99, Belora, Ohio

Farm Lewis E. Davis

Tract _____ Acres 82 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 1259

Quadrangle Centerpoint SC

County Doddridge District McClellan

Engineer [Signature]

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date Dec. 26, 1973 Scale 1" = 400' = 660'

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

WELL LOCATION MAP

FILE NO. Dodd-1761

+ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Centerpoint

Permit No. DODD-1761

Rotary Oil _____
Cable _____ Gas X _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company RAMCO Oil & Gas Corp.
Address P.O. Box 99, Belpre, Ohio 45714
Farm Lewis Davis Acres 83
Location (waters) Big Run
Well No. 1 Elev. 1258'
District McClellan County Doddridge
The surface of tract is owned in fee by Leonard Edgell
Address Centerpoint, W. Va.
Mineral rights are owned by Lewis Davis Heirs
Address Centerpoint, W. Va.
Drilling Commenced 2/14/74
Drilling Completed 2/18/74
Initial open flow _____ cu. ft. _____ bbls.
Final production 750 MCF 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			
7	1,350'	1,350'	200 sks.
5 1/2			
4 1/2		2,391'	75 sks.
3			
2			
Liners Used			

Well treatment details:

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

Fractured Dowell - 3/25/74; 663 bbls. water; 30,000# sand.
Fractured: Halliburton 5/17/74; 780 bbls. water; 28,000# sand.
Perforated: 2,313' to 2,321' - 5 holes; 2,336' to 2,348' - 8 holes.

Coal was encountered at _____ Feet _____ Inches
Fresh water: _____ Feet _____ Salt Water _____ Feet
Producing Sand Big Injun Depth 2,313' to 2,321' 2,336' to 2,348'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale		Soft	0	2030		
Sand		Hard	2030	2056		
Shale		Soft	2056	2083		
Sand		Hard	2083	2136		
Shale		Soft	2136	2174		
Sand		Hard	2174	2190		
Shale		Soft	2190	2208		
Big Lime		Hard	2208	2293		* 2208
Keener		Hard	2293	2311		* 2293
<u>Big Injun</u>		Hard	2311	2360		* 2311
Shale		Soft	2360	2388		

(over)

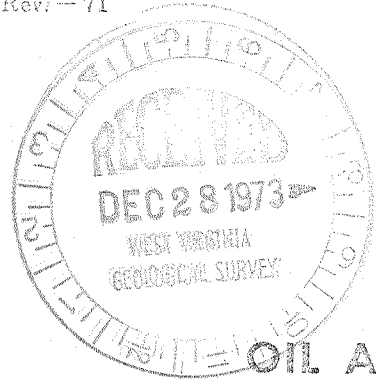
* Indicates Electric Log tops in the remarks section.



RECEIVED
DEC 27 1973

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 December 27, 1973

Surface Owner Leonard Edgell
Address Centerpoint, W. Va.
Mineral Owner Lewis Davis Heirs
Address Centerpoint, W. Va.
Coal Owner Lewis Davis Heirs
Address Centerpoint, W. Va.
Coal Operator None - no coal is being mined in
Address the area.

Company RAMCO Oil & Gas Corp.
Address P.O. Box 99, Belpre, Ohio 45714
Farm Lewis Davis Acres 84
Location (waters) Big Run
Well No. 1 Elevation 1258'
District McClellan County Doddridge
Quadrangle Centerpoint

THIS PERMIT MUST BE POSTED AT THE WELL SITE
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 4-27-74
Robert R. Hall

INSPECTOR TO BE NOTIFIED Mr. Wm. Blawie
Box 1028 PH: Steinmont
Calfax 363-4105
WVa. 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 December 15, 1973 by Randall V. Roton made to RAMCO Oil & Gas Corp. and recorded on the _____ day of _____ 19____, in Doddridge County, Book _____ Page _____

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. Roton, Asst. Supt.
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AQ 304-296-4461

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

Road-1761 PERMIT NUMBER
47-017

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 Haight Drilling Company NAME Brad Crouse
 ADDRESS Smithville, W. Va. ADDRESS P.O. Box 243, West Union, W. Va. 26456
 TELEPHONE _____ TELEPHONE (304) 873-1745
 ESTIMATED DEPTH OF COMPLETED WELL: 2480' 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	978'	978'	cement to surface
7			
5 1/2			
4 1/2		2480'	300'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 938' _____
 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