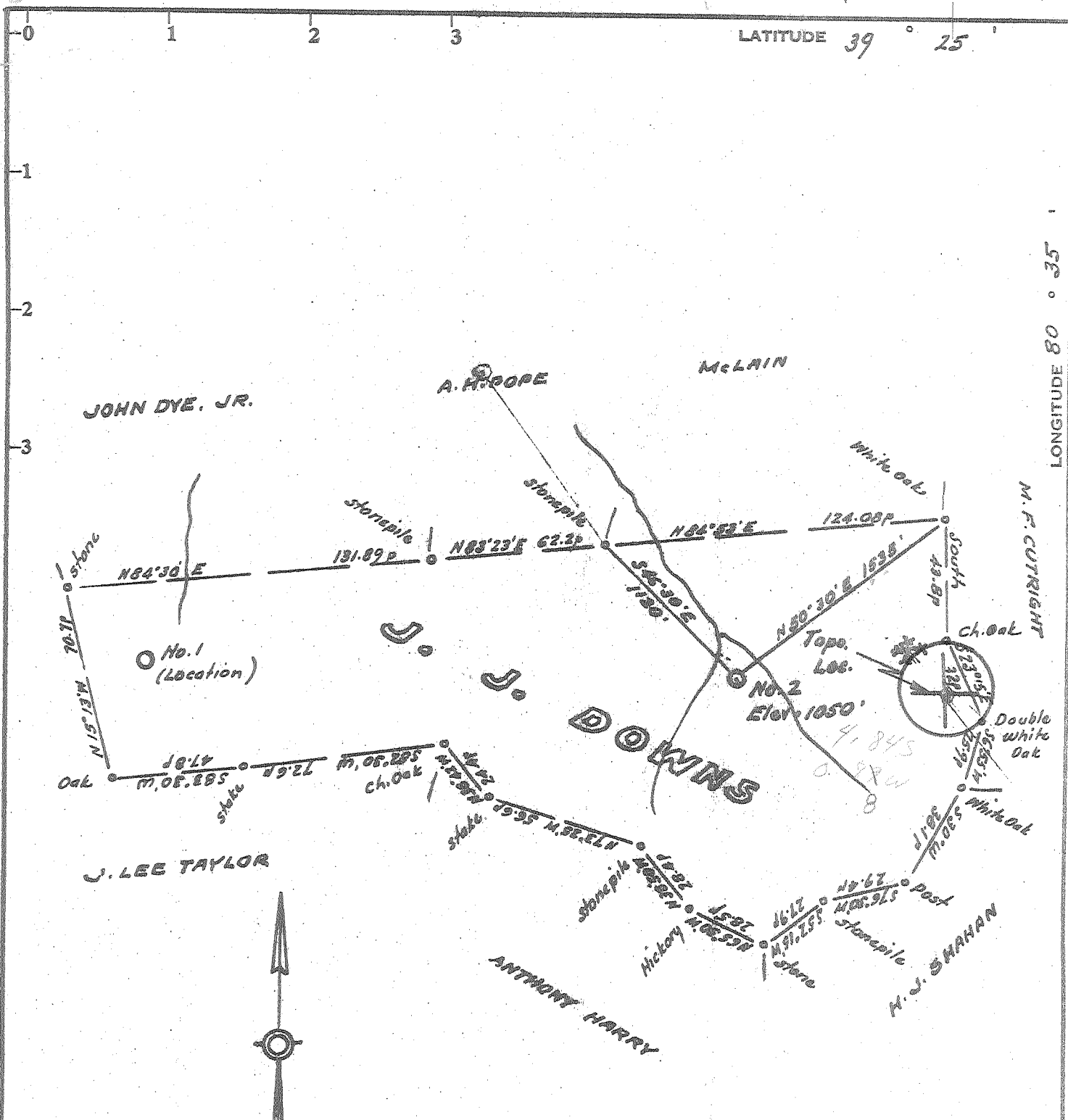


LATITUDE 39° 25'

LONGITUDE 80° 35'



Minimum Error of Closure 1 in 200

Source of Elevation B.M. at Centerpoint = 790'

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

Company Ranco Oil & Gas Corp
 Address P.O. Box 99, Belpra, Ohio
 Farm J. J. Downs
 Tract _____ Acres 188.88 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1050
 Quadrangle Centerpoint - C
 County Doddridge District McClellan
 Engineer W. J. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 23, 1972 Scale 1" = 500' = 825'

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

WELL LOCATION MAP
 FILE NO. DOD-1714

+ 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.

6-6 Smithton-Flint-Sedalia (99)

DEC 15 1972



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

RECEIVED
AUG 10 1973

OIL & GAS DIVISION
DEPT. OF MINES

39-30
-5-44
②

Quadrangle Centerpoint

Permit No. DOD-1714

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 J. J. Downs Acres 188.88
Location (waters) Little Battle Run
Well No. 2 Elev. 1050'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
J. J. Downs Heirs
Address Centerpoint, W. Va.
Mineral rights are owned by Same
_____ Address _____
Drilling Commenced 12/21/72
Drilling Completed 12/28/72
Initial open flow _____ cu. ft. _____ bbls.
Final production 2,600,000 cu. ft. per day _____ bbls.
Well open 48 hrs. before test 560 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	730'	730'	170 sks.
7			
5 1/2			
4 1/2		2110'	85 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co.
Fractured - DOWELL - 737 bbls. water; 56,000# 20/40 sand; 400# 10/20 sand;
500 gals. acid.

Perforations: (2042' to 2048') - 7 holes; (2056' to 2070') - 7 holes.

Coal was encountered at 605' to 607' Feet 24" Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2013' to 2068'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay		Soft	0	15		
Sandy Shale		Soft	15	270		
Red Rock		Soft	270	315		
Sand & Shale		Soft	315	605		
Coal		Soft	605	607		
Sandy Shale		Soft	607	1330		
Sand		Hard	1330	1415		
Sandy Shale		Soft	1415	1540		
Sand		Hard	1540	1610		
Sandy Shale		Soft	1610	1630		
Sand & Lime		Hard	1630	1802		
Sand		Hard	1802	1851		
Shale		Soft	1851	1900		
Sand		Hard	1900	1922		
Shale		Soft	1922	1944		
* Big Lime		Hard	1944	1987		
* Keener		Hard	1987	2010		
* Big Injun		Hard	2010	2070		
* Squaw		Hard	2070	2113		
TD			2113			

(over)

* Indicates Electric Log tops in the remarks section.

AUG 27 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
NOV 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 November 28, 1972

Surface Owner J. J. Downs Heirs

Company RAMCO Oil & Gas Corp.

Address Centerpoint, W. Va.

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

Mineral Owner J. J. Downs Heirs

Farm J. J. Downs Acres 188.88

Address Centerpoint, W. Va.

Location (waters) Little Bottle Run

Coal Owner J. J. Downs Heirs

Well No. 2 Elevation 1050'

Address Centerpoint, W. Va.

District McClellan County Doddridge

Coal Operator None - no coal is being

Quadrangle Centerpoint

Address mined in this area.

INSPECTOR TO BE NOTIFIED Wm. Blosser

Colfax, W. Va. PH: 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 3-28-73.

Robert L. Ford
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 November 19 72 by Columbia Gas Transmission Corp. made to RAMCO Oil & Gas Corp. and recorded on the _____ day of _____ 19____, in _____ 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,
by: Robert L. Ford, Dist. Sec.
Well Operator
P. O. Box 99

Address
of
Well Operator

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

DOD-1714

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, Grantville, W. Va.
 TELEPHONE _____ TELEPHONE (304) 334-7457
 ESTIMATED DEPTH OF COMPLETED WELL: 2165' 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	710'	710'	710'
7			
5 1/2			
4 1/2		2165'	350'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET SALT WATER FEET
 APPROXIMATE COAL DEPTHS 670'
 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