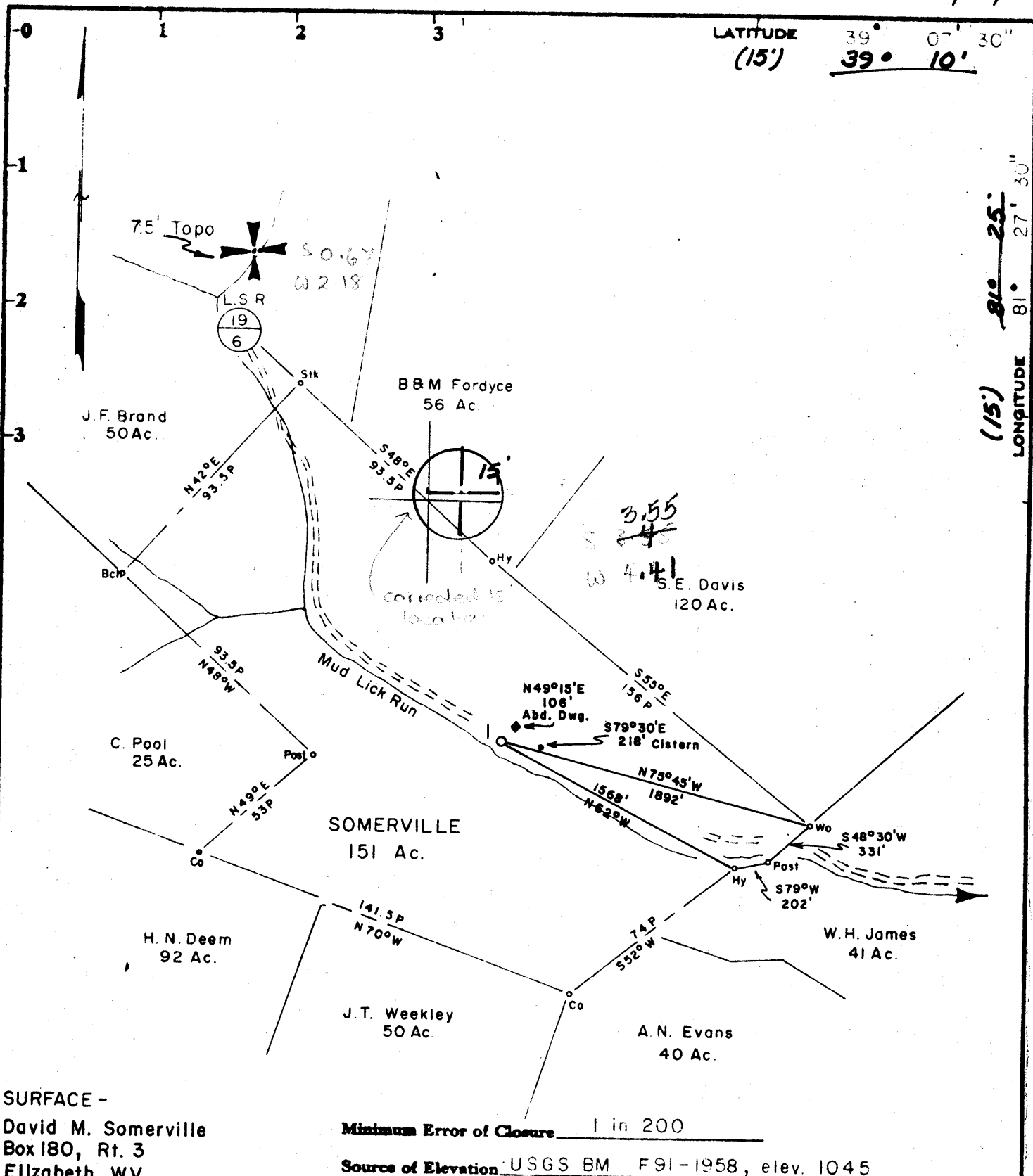


1/16/78



SURFACE -
 David M. Somerville
 Box 180, Rt. 3
 Elizabeth, WV

Minimum Error of Closure 1 in 200
 Source of Elevation USGS BM F91-1958, elev. 1045

Fracture
 New Location
 Drill Deeper
 Abandonment 4/21/78

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 Curtis A. Lucas
 Map No. 0 Squares: N S 21 E W.49

Company	PENNZOIL COMPANY		
Address	P.O. Box 1588, Parkersburg, W. Va. 26101		
Farm	SOMERVILLE		
Tract	Aces	151	Lease No. 14514-00
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	718.55	WC	
Quadrangle	ELIZABETH 7.5', 15'		
County	WOOD	District	SLATE
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	1663	Drawing No.	
Date	1-6-78	Scale	1" = 800'

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

WELL LOCATION MAP
 FILE NO. **W00-803-P**

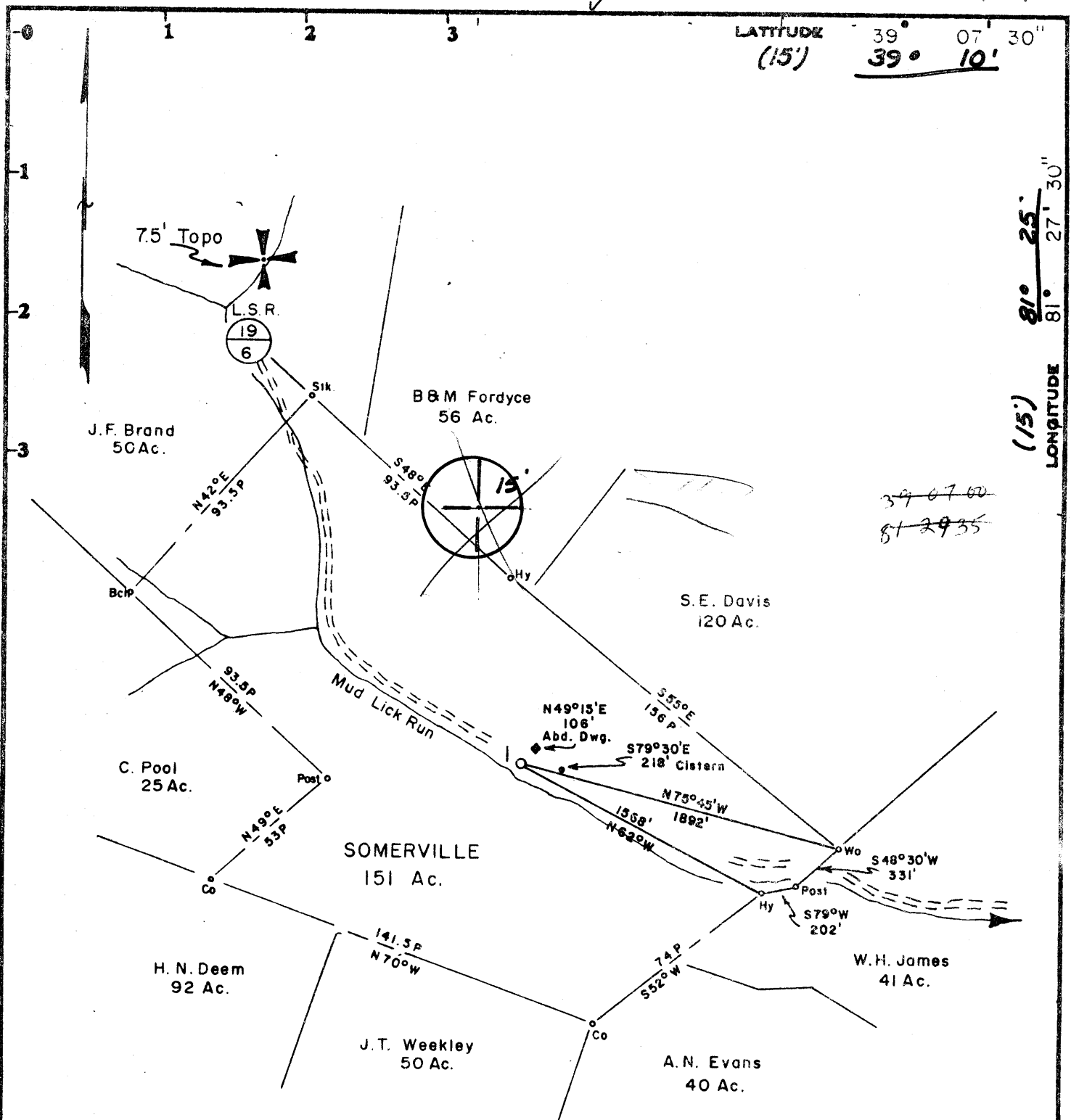
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-107 APR 28 1978

BRUNING 44-131 27198

1-D 6400' Deep Well



Minimum Error of Closure 1 in 200
 Source of Elevation USGS BM F91-1958, elev. 1045

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 *Curtis A. Lucas*

Map No. 0 Squares: N S 21 E W 49

Company	PENNZOIL COMPANY		
Address	P.O. Box 1588, Parkersburg, W. Va. 26101		
Farm	SOMERVILLE		
Tract	Acres	Lease No.	151 14514-00
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	718.55		
Quadrangle	ELIZABETH 7.5', 15' WC		
County	WOOD	District	SLATE
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	1663	Drawing No.	
Date	1-6-78	Scale	1" = 800'

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

WELL LOCATION MAP

FILE NO. W00-803

+ 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.

47-107

6400' Oriskany Deepwell 6-0 Unnamed

BRUNING 44-131 27198



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED
APR 24 1978

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 28

Quadrangle Elizabeth 7.5'

Permit No. Woo-803

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

Company <u>PENNZOIL COMPANY</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1588, Parkersburg, WV 26101</u>				
Farm <u>Stigger D. Sommerville</u> Acres <u>151</u>	Size			
Location (waters) _____	20-16			
Well No. <u>1</u> Elev. <u>718.55'</u>	Cond.			
District <u>Slate</u> County <u>Wood</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8			
<u>David M. Sommerville</u>	8 5/8			
Address <u>Box 180, Route 3, Elizabeth, WV 26148</u>	7	2292	786	75 sks.
Mineral rights are owned by <u>Sylvia Bougher</u>	5 1/2			
Address <u>74 Maple Cliff Dr., Avon Lake</u>	4 1/2			
Drilling Commenced <u>February 12, 1978</u> Ohio	3			
Drilling Completed <u>March 30, 1978</u>	2			
Initial open flow _____ cu. ft. _____ bbls.	Liners Used			
Final production _____ cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Dry Hole - Well was plugged and abandoned

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
Sand			0	217		
Shale & Siltstone			217	400		
Sand & Shale			400	738		
Shale & Silt			738	1052		
Cow Run			1052	1143		
Shale & Silt			1143	1262		
Sand			1262	1277		
Shale			1277	1300		
Sand & Shale			1300	1420		
Shale & Silt			1420	1491		
Sand & Silt			1491	1617		
Shale & Silt			1617	1655		
Salt Sand			1655	1696		
Loyalhanna			1696	1750		
Sand			1750	1776		
Shale			1776	1786		
Sand & Shale			1786	1855		
Sand			1855	1882		
Pocono Shale			1882	2228		
Coffee Shale			2228	2243		
Berea			2243	2248		
Devonian Shale			2248	2883		
Marcellus Shale			2883	4914		
Onondaga			4914	5064		

4914
719
-4195
ELECT LOG TOPS
B.T. 217
S.S.H.
Loyalhanna
CASE 2176
ARMA 4500
RHIN. 4550
SAND 4800
MARC. 4896
ONOND. 4915

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet \pm	Bottom Feet	Oil, Gas or Water	* Remarks
Oriskany			5064	5090		
Helderberg			5090	5322		
Salina			5322	5890		
Williamsport			5890	6030		
Lockport			6030	6200		
Keefer			6200	6253		
Rosehill Shale ✓			6253	6351		
Total Depth				6351 ✓		

5064	5890
<u>719</u>	<u>719</u>
-4345	-5171

Date April 21, 19 78

APPROVED Pennzoil Company Owner

By Curtis A. Luman
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JAN - 9 1978

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 January 6, 1978

Surface Owner David M. Somerville

Company PENNZOIL COMPANY

Address Box 180, Route 3, Elizabeth, WV 26143

Address P. O. Box 1588, Parkersburg, WV 26101

Mineral Owner Sylvia Bougher

Farm Somerville Farm Acres 151

Address 74 Maple Cliff Drive, Avon Lake, Ohio

Location (waters) _____

Coal Owner _____

Well No. 1 Elevation 718.55'

Address _____

District Slate County Wood

Coal Operator NO COMMERCIAL COAL

Quadrangle Elizabeth 7 1/2'

Address _____

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 5-16-78

INSPECTOR
TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, W. Va.

PHONE 477-3660

Robert H. [Signature]
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 April 17, 1968 by Stigger D. Somerville et al made to Pennzoil Company and recorded on the _____ day of _____ 19____, in _____ County, Book 546 Page 157

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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

Very truly yours, PENNZOIL COMPANY
(Sign Name) Curtis A. Lucas
Well Operator Curtis A. Lucas,
Civil Eng. Dept.

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address
of
Well Operator

P. O. Box 1588
Street
Parkersburg,
City or Town
West Virginia 26101
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.

WOO-803 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-107

Signed by Curtis A. Lucas

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Pennzoil Company
 ADDRESS _____ ADDRESS Parkersburg, West Virginia 26101
 TELEPHONE _____ TELEPHONE 422-6565
 ESTIMATED DEPTH OF COMPLETED WELL: 6400 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL X 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	250	250	Cemented to surface
8 - 5/8			
7	2300	2300	75 sks.
5 1/2			
4 1/2	5200	5200	75 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? None 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