

**SURFACE-**  
 M. L. Goodwin  
 Rt. 7, Box 155B  
 New Martinsville, WV.

**Minimum Error of Closure** 1 in 200  
**Source of Elevation** USCG BM 1957, Elev. 805.00

Fracture   
 New Location  REVISED  
 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. N77 Squares: N 13 S E W 4

Company	PENNZOIL COMPANY	
Address	P. O. Box 1588, Parkersburg, W. Va. 26101	
Name	A. R. MC HENRY	
Tract	Acres 236	Lease No. 81438-50
Well (Farm) No.	7 REV.	Serial No.
Elevation (Spirit Level)	1080.24	
Quadrangle	LITTLETON 15'	WC
County	WETZEL	District PROCTOR
Surveyor	CURTIS A. LUCAS	
Surveyor's Registration No.	275	
File No.	1657	Drawing No.
Date	9-6-77	Scale 1" = 800'

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

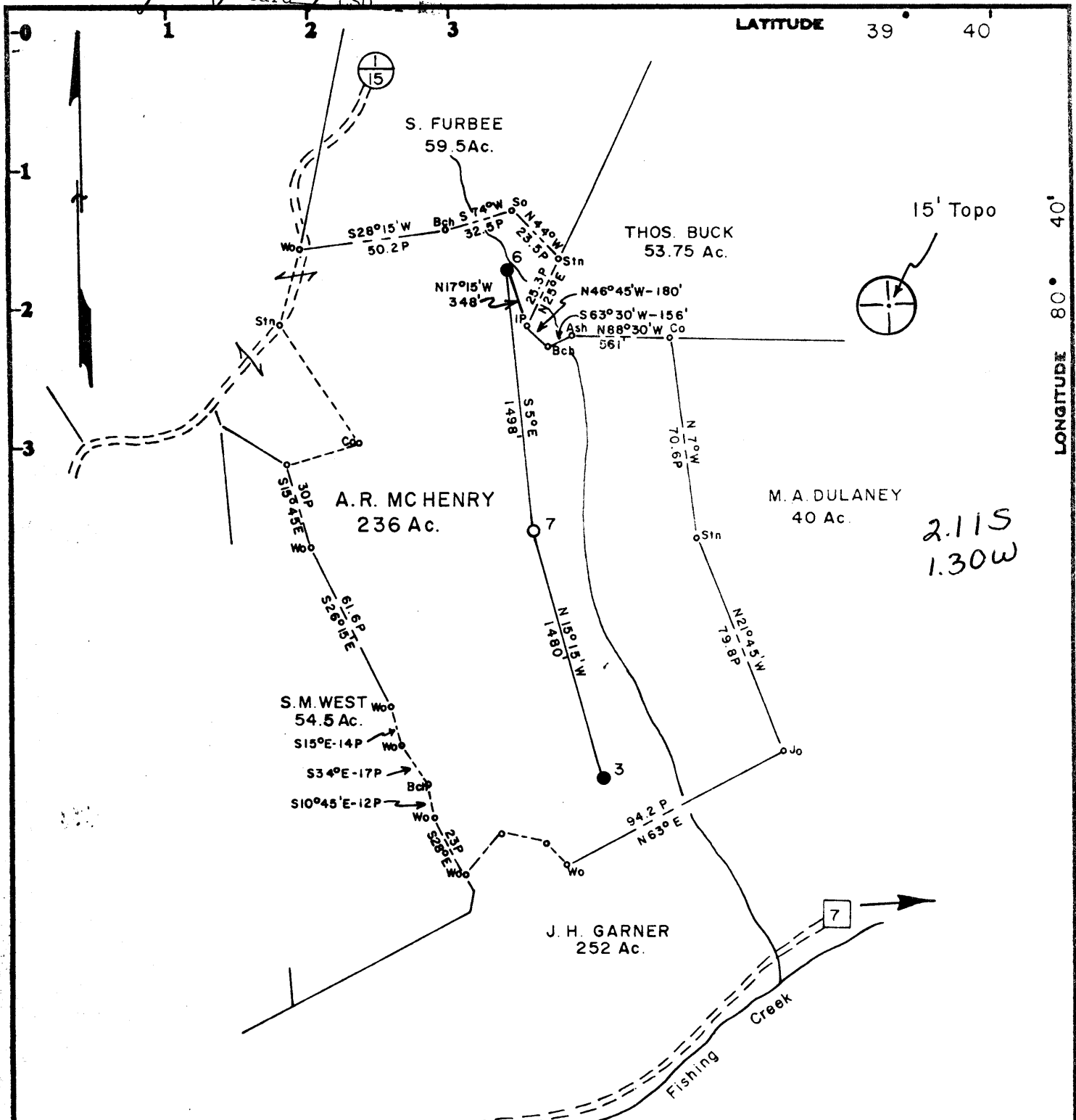
**WELL LOCATION MAP**  
 FILE NO. WET-628-REV

+ 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.  
 OCT 7 1977

— Denotes one inch spaces on border line of original tracing.  
 47-103

BRUNING 44-131 2/158

3111' Gordon 6-6 WILEYVILLE (039)



SURFACE-  
M.L. Goodwin  
Rt. 7, Box 155B  
New Martinsville, WV

Minimum Error of Closure 1 in 200  
Source of Elevation USCG BM 1957, Elev. 805.00

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Signed: *Curtis A. Lucas*

Fracture.....   
New Location.....   
Drill Deeper.....   
Abandonment.....

Map No. N77 Squares: N 13 S E W 4

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	A. R. MC HENRY, J.L. Blake & M.L. Blake		
Tract	Acres	236	Lease No. 81438-50
Well (Farm) No.	7	Serial No.	
Elevation (Spirit Level)	1056.42		
Quadrangle	LITTLETON 15' WC		
County	WETZEL	District	PROCTOR
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	1657	Drawing No.	
Date	8-4-77	Scale	1" = 800'

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

**WELL LOCATION MAP**

FILE NO. WET-628

+ 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. 47-103

BRUNING 44-131 27198

3077 *Wetzel*

SEP 12 1977



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD 36

RECEIVED

NOV 3 - 1977

OIL & GAS DIVISION  
DEPT. OF MINES

Rotary  Oil Oil  
Cable \_\_\_\_\_ Gas Gas  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle Littleton  
Permit No. Wet-628-Rev.

Company <u>Pennzoil Company</u>	26101	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1588, Parkersburg, WV</u>					
Farm <u>A. R. McHenry</u> Acres <u>236</u>					
Location (waters) <u>Little Fishing Creek</u>					
Well No. <u>7</u> Elev. <u>1080.24'</u>		Size			
District <u>Proctor</u> County <u>Wetzel</u>		20-16			
The surface of tract is owned in fee by _____		Cond.			
<u>M. L. Goodwin</u>		13-10"			
Address <u>Rt. 7, Box 155-B, New Martinsville</u>		9 5/8			
Mineral rights are owned by <u>Joseph and Mary E. Blake</u>		8 5/8			
Address <u>Box 110, Doolin Rt., N. Martinsville</u>		7	1275	1275	175 sks.
Drilling Commenced <u>9-7-77</u>		4 1/2	3151	3151	75 sks.
Drilling Completed <u>9-12-77</u>		3			
Initial open flow <u>10</u> cu. ft. <u>2</u> bbls.		2			
Final production <u>7</u> cu. ft. per day <u>1</u> bbls.		Liners Used			
Well open _____ hrs. before test _____ RP.					

Attach copy of cementing record.

Fractured w/819 BGW, 30,000# sd., 500 Gal. 15% HCL

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand Gordon Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Silt			0	64		
Sand			64	69		
Shale			69	75		
Sand			75	81		
Shale & Silt			81	161		
Sand			161	170		
Shale			170	190		
Sand			190	244		
Shale			244	286		
Sand			286	301		
Shale			301	370		
Sand			370	400		
Shale & Silt			400	676		
Sand			676	687		
Shale & Silt			687	871		
Sand			871	1018		
Shale			1018	1033		
Pittsburgh Coal			1033	1036		
Shale			1036	1411		
Sand			1411	1421		
Shale			1421	1533		
Sand			1533	1541		
Shale			1541	1555		
Salt Sand			1555	1590		

2163  
1080  
- 1083

(over)

\* Indicates Electric Log tops in the remarks section.

NOV 22 1977

Formation	Color	Hard or Soft	Top Feet 30	Bottom Feet	Oil, Gas or Water	* Remarks
Shale Break			1590	1597		
Shale			1597	1712		
Salt Sand			1712	1732		
Shale			1732	1746		
Sand			1746	1800		
Shale			1800	2012		
Salt Sand			2012	2065		
Shale			2065	2142		
Little Lime			2142	2151		
Pencil Cave			2151	2163		
Big Lime			2163	2220		
Loyalhanna			2220	2247		
Big Injun			2247	2461		
Shale			2461	2811		
Berea			2811	2849		
Shale			2849	3053		
Gordon Stray			3053	3059		
Slate			3059	3074		
<u>Gordon</u>			3074	3085		
Total Depth				3150		
PBD				3136		

Date November 1, 77

APPROVED PENNZOIL COMPANY

By Curtis A. Luccan  
(Title)

Checked



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED  
AUG - 5 1977  
OIL & GAS DIVISION  
DEPT. OF MINES

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

DATE August 4, 1977

Surface Owner M. L. Goodwin Company PENNZOIL COMPANY

Address Route 7, Box 155-B, New Martinsville, WV Address P. O. Box 1588, Parkersburg, W. Va. 26101

Mineral Owner Joseph L. and Mary L. Blake Farm A. R. McHenry Acres 236

Address Box 110, Doolin Route, N. Martinsville, WV Location (waters) Little Fishing Creek

Coal Owner Well No. 7 Elevation 1056.42'

Address District Proctor County Wetzel

Coal Operator NO COMMERCIAL COAL Quadrangle Littleton 15'

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 12-9-77.

INSPECTOR Phillip L. Tracy  
TO BE NOTIFIED

ADDRESS P.O. Box 173, Middlebourn, W.Va.

PHONE 758-4573

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 18, 1916 by A. R. & F. A. McHenry made to J. L. Newman and recorded on the day of 19 in County, Book 8-A Page 271

X 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:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

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

BLANKET BOND

WET-628 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."

Signed by Curtis A. Lucas

47-103

**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:   3077   ROTARY   X   CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION:   Gordon    
 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			
8 - 5/8			
7	1215'	1215'	Cement to surface
5 1/2			
4 1/2	3077	3077'	75 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS   Pittsburgh Coal   976' \_\_\_\_\_  
 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



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

SEP - 7 1977

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE Sept. 6, 1977

Surface Owner M. L. Goodwin Company PENNZOIL COMPANY  
 Address Route 7, Box 155-B, New Martinsville, W. Va. Address P. O. Box 1588, Parkersburg, WV 26101  
 Mineral Owner Joseph and Mary L. Blake Farm A. R. McHenry Acres 236  
 Address Box 110, Doolin Route, New Martinsville Location (waters) Little Fishing Creek  
 Coal Owner \_\_\_\_\_ Well No. 7 Elevation 1080.24'  
 Address \_\_\_\_\_ District Proctor County Wetzel  
 Coal Operator NO COMMERCIAL COAL Quadrangle Littleton 15'  
 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 revised drilling. This permit shall expire if operations have not commenced by 1-9-78.

*Robert T. [Signature]*

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Phillip Tracy  
ADDRESS Middlebourn, W. Va.  
PHONE 758-4573

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 18, 1916 by A. R. & F. A. McHenry made to J. L. Newman and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book 8-A Page 271

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:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address of Well Operator

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

BLANKET BOND

"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."

Signed by Curtis A. Lucas

WET-628-REV. \_\_\_\_\_ PERMIT NUMBER

47-103

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 NAME \_\_\_\_\_ NAME  Pennzoil Company   
 ADDRESS \_\_\_\_\_ ADDRESS  Parkersburg, West Virginia 26101   
 TELEPHONE \_\_\_\_\_ TELEPHONE  422-6565   
 ESTIMATED DEPTH OF COMPLETED WELL:  3111  ROTARY  X  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION:  Gordon   
 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			
8 - 5/8			
7	1249	1249	Cement to surface
5 1/2			
4 1/2	3111	3111	75 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS  Pittsburgh Coal 1010' K.B.   
 IS COAL BEING MINED IN THE AREA?  None  BY WHOM? \_\_\_\_\_

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\_\_\_\_\_  
 For Coal Company

\_\_\_\_\_  
 Official Title