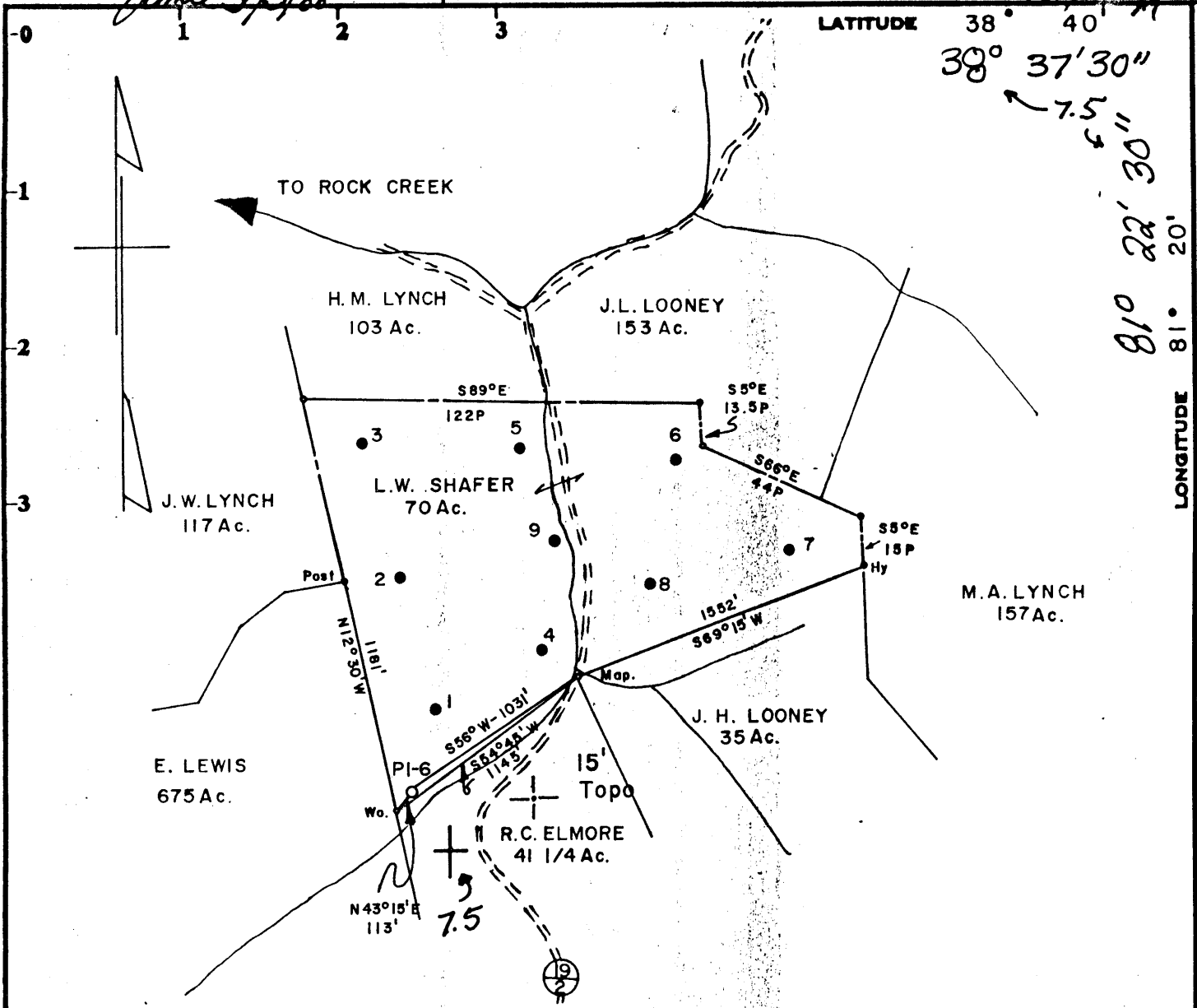


Janie 5/3/88

9500

42275/14



**SURFACE -**

Ray Curry  
Walton, W.Va.

Minimum Error of Closure 1 in 200

Source of Elevation USBM X-94-1956, elevation - 1040'

Fracture

New Location  (INJECTION)

Drill Deeper

Abandonment  - 5-4-88

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  
Squares: N S 58 E W 45

Map No. 71

Company Pennzoil Products, Inc.

Address P. O. Box 1588, Parkersburg, W. Va. 26101

Farm L. W. SHAFER, RAY CURRY

Tract Acres 70 Lease No. 56976-00

Well (Farm) No. PI-6 Serial No.           

Elevation (Spirit Level) 923.18

Quadrangle WALTON 15' Kettle 7.5

County ROANE District WALTON

Surveyor CURTIS A. LUCAS

Surveyor's Registration No. 275

File No. 1265 Drawing No.           

Date 3-1-76 Scale 1" = 800'

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

**WELL LOCATION MAP**

FILE NO. ROA-2057-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.

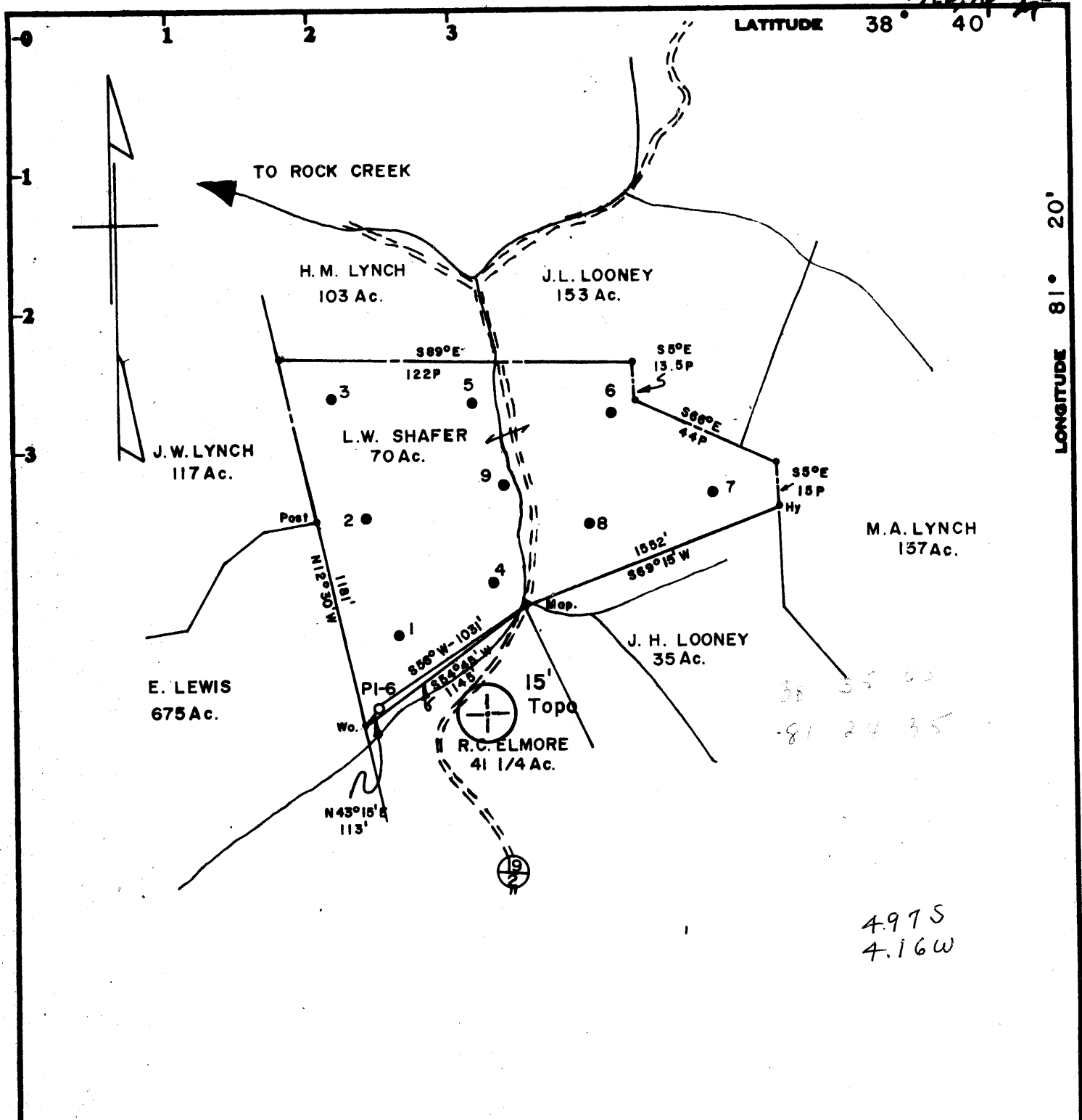
MAY 09 1988

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

47-087

2040 Injin

4.73.76 R



4.975  
4.16W

**SURFACE -**

Ray Curry  
Walton, W. Va.

Minimum Error of Closure 1 in 200

Source of Elevation USBM X-94-1956, elevation-1040'

- Fracture.....
- New Location.....  (INJECTION)
- 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. 71      Squares: N 8 58 E W 45

Company	PENNZOIL COMPANY
Address	P. O. Box 1588, Parkersburg, W. Va. 26101
Farm	L. W. SHAFER, RAY CURRY
Tract	Acres <u>70</u> Lease No. <u>56976-00</u>
Well (Farm) No.	<u>PI-6</u> Serial No. _____
Elevation (Spirit Level)	<u>923.18</u>
Quadrangle	<u>WALTON 15'</u> C
County	<u>ROANE</u> District <u>WALTON</u>
Surveyor	<u>CURTIS A. LUCAS</u>
Surveyor's Registration No.	<u>275</u>
File No.	<u>1265</u> Drawing No. _____
Date	<u>3-1-76</u> Scale <u>1" = 800'</u>

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

**WELL LOCATION MAP**  
FILE NO. ROA-2057

+ 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.

**47-087**

BRUNING 44-131 27198



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Walton

Permit No. Roa-2057

Rotary  Oil \_\_\_\_\_  
 Cable \_\_\_\_\_ Gas \_\_\_\_\_  
 Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
 Water Flood  Storage \_\_\_\_\_  
 Disposal \_\_\_\_\_ (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, W. Va. 26101</u>				
Farm <u>L. W. Shafer</u> Acres <u>70</u>	Size			
Location (waters) <u>Rock Creek</u>	20-16			
Well No. <u>PI-6</u> Elev. <u>923.18'</u>	Cond.			
District <u>Walton</u> County <u>Roane</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8			
<u>Ray Curry</u>	8 5/8	174.06'	174.06'	95 sks.
Address <u>Walton, W. Va. 25286</u>	7			
Mineral rights are owned by <u>G. F. Hedges, Jr. &amp; Virgil P. Daugherty</u>	5 1/2			
Address <u>Box 61, Spencer, W. Va.</u>	4 1/2	2052	2052	50 sks.
Drilling Commenced <u>May 13, 1976</u>	3			
Drilling Completed <u>May 18, 1976</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.

Water Injection Well

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

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	57		
Pittsburgh Sand			57	122		
Silty Shale			122	270		
Connellsville Sand			270	293		
Silty Shale			293	692		
Sand			692	726		
Shale			726	758		
Shaly Sand			758	1072		
Shale			1072	1158		
Sand			1158	1180		
Sandy Shale			1180	1239		
Shaly Sand			1239	1381		
Shale			1381	1412		
Salt Sand			1412	1781		
Little Lime			1781	1819		
Pencil Cave			1819	1824		
Big Lime			1824	1865		
Loyalhanna			1865	1968		
<u>Big Injun</u>			1968	2012		
Pocono Shale			2012	2060		
Total Depth				2060		

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

APR 25 1976

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE APR 22 1976

Surface Owner Ray Curry  
Address Walton, W. Va. 25286  
Mineral Owner G. F. Hedges, Jr. & Virgil P. Daugherty  
Address Box 16, Spencer, W. Va. 25276  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator NO COMMERCIAL COAL  
Address \_\_\_\_\_

Company PENNZOIL COMPANY  
Address P. O. Box 1588, Parkersburg, W. Va. 26101  
Farm L. W. Shafer Acres 70  
Location (waters) Rock Creek  
Well No. PI-6 Elevation 923.18'  
District Walton County Roane  
Quadrangle Walton

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 8-23-76.

Robert L. Brown  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Richard J. Morris  
354-7259 ADDRESS Grantsville, W. Va.  
PH: \_\_\_\_\_

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 January 16, 1906 by Lucinda W. & David Shafer made to South Penn Oil Company and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book 8 Page 354

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, PENNZOIL COMPANY  
(Sign Name) Curtis A. Lucas  
Well Operator Curtis A. Lucas  
Civil Engineering Dept.  
P. O. Box 1588  
Street  
Parkersburg,  
City or Town  
West Virginia 26101  
State

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:  
West Virginia Geological and Economic Survey of  
P. O. Box 879  
Martinsburg, W. Va. 26505  
Address  
Well Operator

\*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

ROA-2057

PERMIT NUMBER

47-087

**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 \_\_\_\_\_ NAME Pennzoil Company  
 ADDRESS \_\_\_\_\_ ADDRESS Parkersburg, West Virginia 26101  
 TELEPHONE \_\_\_\_\_ TELEPHONE 422-6565  
 ESTIMATED DEPTH OF COMPLETED WELL: 2040 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	<b>215</b>	<b>215</b>	<b>120 sks.</b>
7			
5 1/2			
4 1/2	<b>2040</b>	<b>2040</b>	<b>50 sks.</b>
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

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPPLICATE, one copy mailed to the Division; one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: WOLF, KEITH, JR. Operator Well No.: SHAFER PI-6

LOCATION: Elevation: 923.18 Quadrangle: KETTLE  
District: WALTON County: ROANE  
Latitude: 10600 Feet South of 38 Des. 37 Min. 30 Sec.  
Longitude 9500 Feet West of 81 Des. 22 Min. 30 Sec.

Company: Pennzoil Products Co.  
P.O. Box 5519  
Vienna, WV 26105-5519

Coal Operator  
or Owner

Asent: \_\_\_\_\_  
Inspector: Homer Daugherty  
Permit Issued: 05/04/88

Coal Operator  
or Owner

RECEIVED  
SEP 07 1988

AFFIDAVIT

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA,  
County of Roane ss:

Robert C. Cathey and Dale Workman being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Pennzoil Products Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14 day of 7, 1988, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement Reg Nest	2032	1832	4 1/2" 1506'	4 1/2" 546' (amt)
H2O Gel	1832	1495		8 1/2" 174' (amt)
Cement Reg Nest	1495	1345		
Gel 6%	1345	233		
Cement Reg Nest	233	133		
Gel 6%	133	50		
Cement Reg Nest	50	0		

Description of monument: 7" casing 5' above G.L.

and that the work of plugging and filling said well was completed on the 14 day of 7, 1988.

And further deponents saith not.

Robert C. Cathey  
Dale Workman  
SEP 09 1988

Sworn and subscribe before me this 6th day of September, 1988  
My commission expires: 7-2-90

Curtis A. Brown  
Notary Public