

- Fracture.....
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation E. G. C. WELL 47-017-1560 ELV. 1011.7'

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.

Minimum accuracy, one part in 200

Company DORAN & ASSOCIATES, INC.

Address 733 WASHINGTON RD., PITTSBURGH, PA.

Farm F. L. LODGE

Tract 123 Acres OF 290 Lease No. 7437

Well (Farm) No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Elevation (Spirit Level) 1152.6

Quadrangle HOLBROOK NE 4 3-4 OR 75

County DODDRIDGE District COVE

Engineer R. J. McMillan

Engineer's Registration No. L.L.S.NO. 105

File No. 232/98 Drawing No. \_\_\_\_\_

Date 6/19/80 Scale 1" = 500'

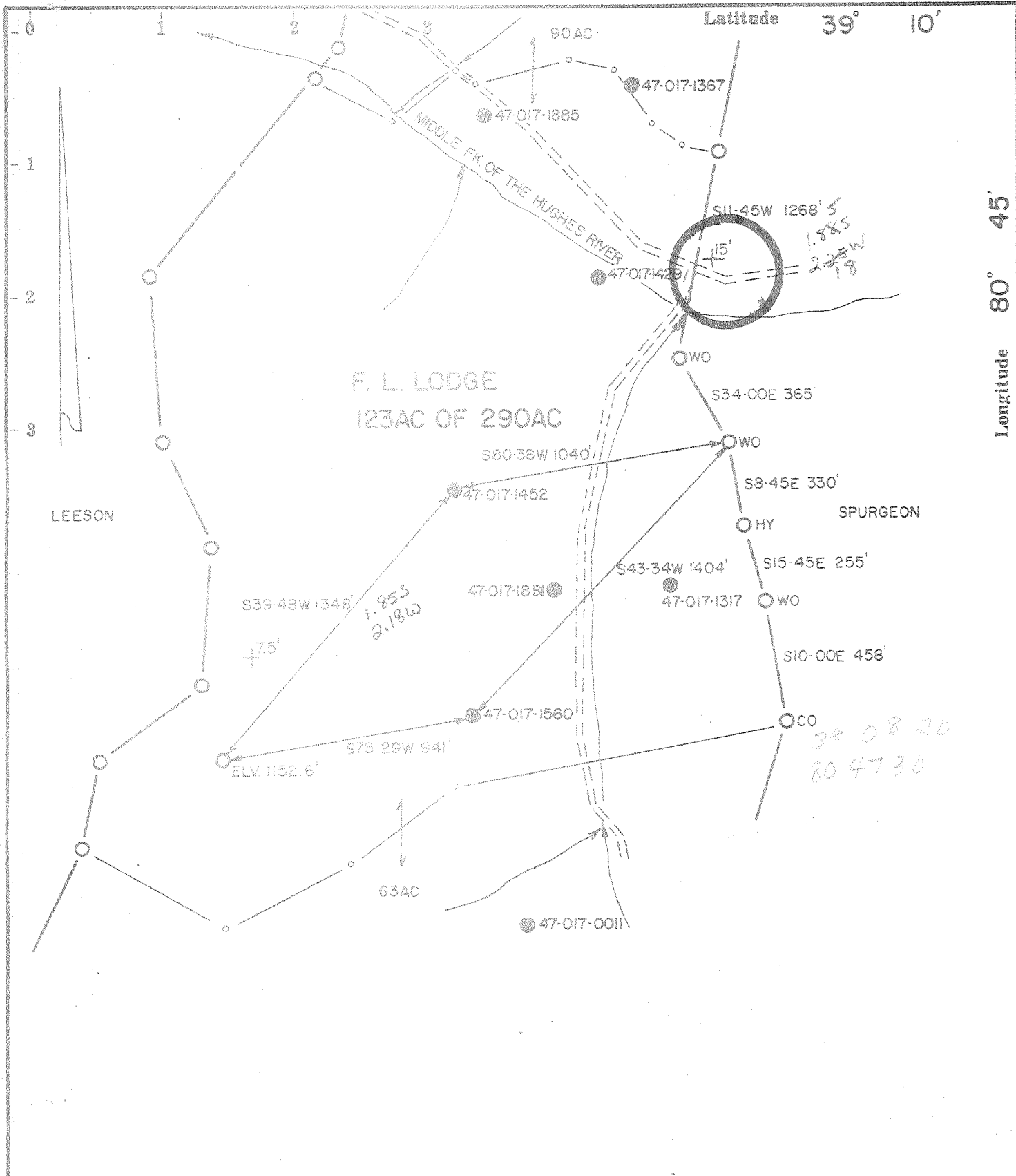
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP

FILE NO. 017 - 2888 - 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.



- Fracture.....
- Redrill.....
- New Location.
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Source of Elevation E. G. C. WELL 47-017-1560 ELV. 1011.7'

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Quadrangle HOLBROOK NE 4 34

County DODDRIDGE District COVE

Engineer R. J. McMillan

Engineer's Registration No. L.L.S. NO. 105

File No. 232/98 Drawing No. \_\_\_\_\_

Date 6/19/80 Scale 1" = 500'

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

**WELL LOCATION MAP**

FILE NO. 017 - 2888

+ 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.

DEC 19 1980

6-0 Straight Fork-Bluestone Creek (133) 11530



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

**RECEIVED**

MAY 21 1982

Oil and Gas Division

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

**WELL RECORD**

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

Quadrangle Holbrook NE 4 3-4

Permit No. 47-017-2888

Company Doran & Associates, Inc.  
Address 200 Roessler Road, Pittsburgh, PA  
Farm F. L. Lodge #1 Acres 290  
Location (waters) \_\_\_\_\_  
Well No. D-P-1 Elev. 1152.6  
District Cove County Doddridge  
The surface of tract is owned in fee by Wilma Lee Lesson

Address Jarrett Rt. 6, Orchard Carr  
Mineral rights are owned by unknown  
Address \_\_\_\_\_

Drilling Commenced 2-4-81  
Drilling Completed 2-8-81  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.  
Well treatment details: \_\_\_\_\_

15220 Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			210 Sks.
Cond. 13-10"			
9 5/8			
8 5/8	1010'	1010'	
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

\* WELL 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
Sandy Shale			0	970		
Casing Set @ 970						
Sandy Shale			970	1000		
Shaley Sand			1000	1138		
Shale			1138	1220		
Sand			1220	1265		
Shale			1265	1395		
Shaley Sand			1395	1500		
Shale			1500	1550		
Shaley Sand			1550	1650		
Shale			1650	1680		
Shaley Sand			1680	1735		
Sand			1735	1791		
Sandy Shale			1791	1905		
Sand			1905	2055		
Shale			2055	2250		
Driller's T. D.				2250		

(over)

\* Indicates Electric Log tops in the remarks section.

JUN 2 1982

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Big lime			1915	1970		
Big Injun			1970	1952		
Logger's T. D.				2239		

Date April 1, 19 81

APPROVED Donald R. Laughlin, Owner



**RECEIVED**

APR - 6 1981

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

WELL RECORD

Quadrangle Holbrook NE 4 3-4

Permit No. 47-017-2888

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

Company Doran & Associates, Inc.  
Address 200 Roessler Road, Pittsburgh, PA  
Farm F. L. Lodge #1 Acres 290  
Location (waters) \_\_\_\_\_  
Well No. D-P-1 Elev. 1152.6  
District Cove County Doddridge  
The surface of tract is owned in fee by Wilma Lee Lesson  
Address Jarrett Rt. 6, Orchard Carr  
Mineral rights are owned by unknown  
Address \_\_\_\_\_  
Drilling Commenced 2-4-81  
Drilling Completed 2-8-81  
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Size 20-16			210 Sks.
Cond. 13-10"			
9 5/8			
8 5/8	1010'	1010'	
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

\* WELL 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
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Shaley Sand			1395	1500		
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Shaley Sand			1550	1650		
Shale			1650	1680		
Shaley Sand			1680	1735		
Sand			1735	1791		
Sandy Shale			1791	1905		
Sand			1905	2055		
Shale			2055	2250		
Driller's T. D.						

(over)

\* Indicates Electric Log tops in the remarks section.

APR 28 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Big lime			1915	1970		
Big Injun			1970	2052		
Logger's T. D.				2239		

Date April 1, 19 81

APPROVED \_\_\_\_\_, Owner

By Donald R. Laughlin-Vice President  
(Title) Operations



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED  
NOV - 6 1980

DEPARTMENT OF MINES

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

DATE September 26, 1980  
Company ~~Edgemoor~~ DORAN & ASSOCIATES, INC  
Address 200 Roessler Road, Pgh., PA 15220  
Farm F.L. Lodge #1 Acres 290  
Location (waters) \_\_\_\_\_  
Well No. \_\_\_\_\_ Elevation 1152.6  
District Cove County Doddridge  
Quadrangle Holbrook NE 4<sup>3-4</sup>

Surface Owner Wilma Lee Leeson  
Address Jarrett Rte 6, Orchard Carr, Morgantown WV 26505  
Mineral Owner unknown  
Address \_\_\_\_\_  
Coal Owner unknown  
Address \_\_\_\_\_  
Coal Operator Wilma Lee Leeson  
Address Jarrett Rte. 6, Orchard Carr, Morgantown WV 26505

THIS PERMIT MUST BE POSTED AT THE WELL SITE WV 26505

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 7-20-81.

*[Signature]*  
Deputy Director - Oil & Gas Division

INSPECTOR  
TO BE NOTIFIED Paul Garrett  
ADDRESS 321 Beech St., Clarksburg, WV 26301  
PHONE (304) 622-3871

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 12 19<sup>04</sup> by F. L. Lodge made to Sidney W. Jones and recorded on the 8th day of August 19<sup>04</sup> in Doddridge County, Book 22 Page \_\_\_\_\_  
XX 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,  
(Sign Name) Donald R. Laughlin  
Well Operator  
Donald R. Laughlin  
200 Roessler Rd., Pgh., PA 15220  
Street  
Pittsburgh, PA 1522  
City or Town  
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.

47-017-2888

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 \_\_\_\_\_

*[Handwritten signature]*

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

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME S. W. Jack NAME Al Sorcan  
 ADDRESS P. O. Box 697, Indiana, PA 15701 ADDRESS Rte. 4, Box 444, Buckhannon, WV  
 TELEPHONE (412) 349-6800 TELEPHONE (304) 472-0007  
 ESTIMATED DEPTH OF COMPLETED WELL: 4500' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: BENSON  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX 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	<u>11 3/4</u>	<u>30</u>	<u>To Surface</u>
9 - 5/8			
8 - 5/8		<u>1200</u>	<u>To Surface</u>
7			
5 1/2			
4 1/2		<u>4500</u>	<u>350 Sks</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 45 FEET 155 SALT WATER 780 FEET  
 APPROXIMATE COAL DEPTHS 180 230  
 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



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

**AFFIDAVIT OF PLUGGING AND FILLING WELL**

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, 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.

Wilma Lee Leeson  
COAL OPERATOR OR OWNER  
Jarrett Rte. 6 Orchard Carr  
ADDRESS  
Morgantown WV 26505  
COAL OPERATOR OR OWNER  
ADDRESS  
LEASE OR PROPERTY OWNER  
ADDRESS

Doran & Associates, Inc  
NAME OF WELL OPERATOR  
200 Roessler Road, Pgh., PA  
COMPLETE ADDRESS  
19  
WELL AND LOCATION  
Cove District  
Doddridge County  
Well. No. D-P-1  
F. L. Lodge Farm

STATE INSPECTOR SUPERVISING PLUGGING Paul Garrett

**AFFIDAVIT**

STATE OF WEST VIRGINIA,  
County of \_\_\_\_\_ } SE:

Alvin Sauer and Larry Grubb  
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 Doran and Associates, Inc. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8 day of February, 19 81, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
0-50	Cement			
50-950'	Gel			
950-1150	Cement			8 5/8 1010'
1150-1900	Gel			
1900-2100	Cement			
2100-2239	Gel			
Drilled to 2239 & plug to abandon with 150 Sks. cement & 2500# gel as above.				
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME)		8 5/8 casing nipple 4' high orange		
(NAME)		peeled 7 welded on top with plate		
(NAME)		on side with well I.D.		
(NAME)				

and that the work of plugging and filling said well was completed on the 8 day of February, 19 81

And further deponents saith not.

Sworn to and subscribed before me this 19 day of May, 19 82

My commission expires:  
November 21, 1990

Alvin Sauer  
Larry Grubb  
Marcella L. Harrison  
Notary Public  
Permit No. 2888

**AFFIDAVIT OF PLUGGING AND FILLING WELL**

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Wilma Lee Leeson  
COAL OPERATOR OR OWNER  
Jarrett Rte. 6 Orchard Carr  
ADDRESS  
Morgantown WV 26505  
COAL OPERATOR OR OWNER  
ADDRESS  
LEASE OR PROPERTY OWNER  
ADDRESS

Doran & Associates, Inc  
NAME OF WELL OPERATOR  
200 Roessler Road, Pgh., PA  
COMPLETE ADDRESS  
19  
WELL AND LOCATION  
Cove District  
Doddridge County  
Well No. D-P-1  
F. L. Lodge Farm

STATE INSPECTOR SUPERVISING PLUGGING W PAUL GARRETT  
AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of DODDRIDGE } SE:  
STEWART RHODES

RECEIVED  
OCT 16 1982  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

and ALVIN SORCAN

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 HYDROCARBON ENERGIES, INC. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8<sup>TH</sup> day of FEBRUARY, 1981, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSE PULLED	CSE LEFT IN
0-50	Cement			
50-950'	Gel			
950-1150	Cement			8 5/8 1010'
1150-1900	Gel			
1900-2100	Cement			
2100-2239	Gel			
1160	ELEVATION			
1915	BIG LIME			
1970	BIG INJUN			
2239	TOTAL DEPTH			
MATERIALS USED: 50 SKS. POZ 2500 # BENTONITE				
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME) <u>NONE REPORTED</u>				
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 8<sup>TH</sup> day of FEBRUARY, 1981.

And further deponents saith not.

Sworn to and subscribed before me this 15 day of December, 1982

Stewart J. Rhodes  
Alvin Sorcan  
Marcella L. Garrison

My commission expires:  
November 21, 1990

Notary Public.  
47-017  
Permit No. 2888

DOR

Dodd.-2888