

LATITUDE  $35^{\circ} 20'$

LONGITUDE  $80^{\circ} 45'$

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Well No. 5 (Flora Freeman) = 1037

*plotted  
10-1-76  
del*

- 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: Calvin R. Morrison  
Squares: N S E W

Map No. \_\_\_\_\_

Company Lauderman Oil & Gas Drilling  
 Address 110 Main St. Paden City, West Va.  
 Farm Flora Freeman  
 Tract \_\_\_\_\_ Acres 83 Lease No. \_\_\_\_\_  
 Well (Farm) No. Ten Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 930'  
 Quadrangle West Union 7 1/2' SE  
 County Doddridge District West Union  
 Surveyor Calvin R. Morrison  
 Surveyor's Registration No. 562  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date August 31, 1976 Scale 1" = 400'

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

**WELL LOCATION MAP**

WAS: 017 - 70088

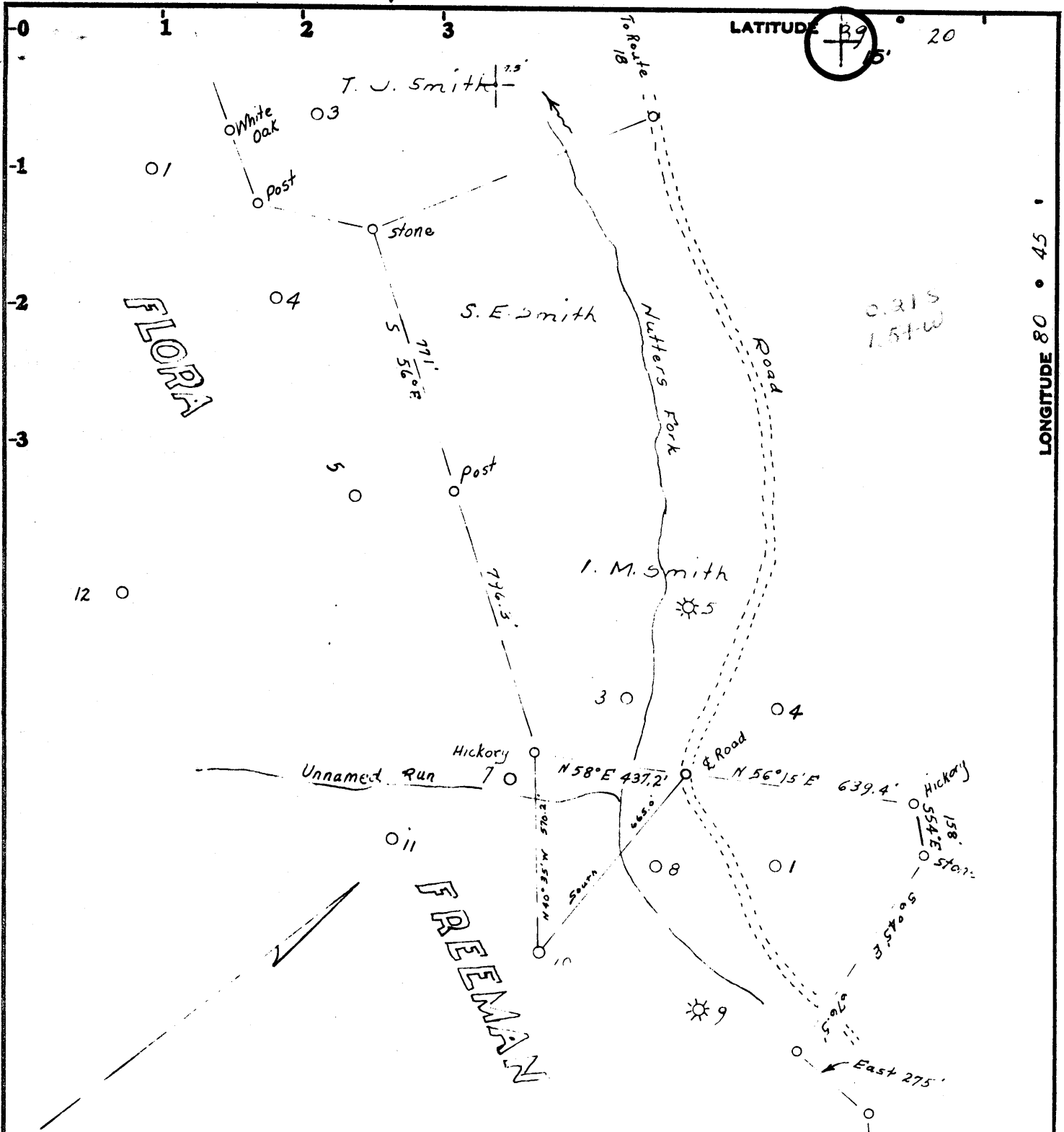
FILE NO. **DOD-1277-A**

FORMERLY DOD-1830-DD (DEEPENING CANCELED)  
+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

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

**47-017**

*2600*



LONGITUDE 80 • 45

Minimum Error of Closure 1 in 200'  
 Source of Elevation Elev. Well No. 5 (Flora Freeman) = 1037

Fracture.....   
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 Drill Deeper.....   
 Abandonment.....

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Signed: Calvin R. Morrison  
 Squares: N S E W

Map No.

Company	<u>Lauterman Oil &amp; Gas Drilling</u>
Address	<u>110 Main St. Paden City, West Va.</u>
Farm	<u>Flora Freeman</u>
Tract	Acres <u>83</u> Lease No. _____
Well (Farm) No.	<u>1en</u> Serial No. _____
Elevation (Spirit Level)	<u>930'</u>
Quadrangle	<u>15 West Union</u> <u>1 1/2'</u> <u>SE</u>
County	<u>Doddridge</u> District <u>West Union</u>
Surveyor	<u>Calvin R. Morrison</u>
Surveyor's Registration No.	<u>562</u>
File No.	_____ Drawing No. _____
Date	<u>August 31, 1976</u> Scale <u>1" = 400'</u>

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

**WELL LOCATION MAP**

FILE NO. DOD-1830-DD *ack*  
DODD 1277-A *ack*  
*1976*

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

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

**47-017**

Now: 017 - 31277, (was 1830)

FLORA FREEMAN NO. 10 WELL.

70088

West Union District, Doddridge County, W. Va.

By Clifton Oil & Gas Co.

Elevation... 918.75

Drilling commenced Jan. 1, 1926; completed Jan. 23, 1926.

Drilled deeper in 1932.

8" casing, 1085'; 6" casing, 1093'; all left in.

Shot Jan. 23, 1926, with 20 qts., 1956-1972'. Casing collapsed.

Well tubed March 2, 1926.

Well shot with 30 qts. on Feb. 23, 1929, at 1956-1972'; increased from 2" to 5" in 100-551. tank.

Second drilling, 7/10 W. in 2".

Record in Eastern Petroleum Co. Well Record book of Clifton Oil & Gas Co.

	Top.	Bottom.
Native coal	110	...
Pittsburgh Coal	617	...
Big Runard Sand	1121	1146
First Salt Sand	1430	1530
Second Salt Sand	1606	1713
Red rock	1776	.....
Hard lime	1840	1852
Little Lime	1869	1875
Porcell Crs	1875	1880
Big Lime	1880	1954
Big Injun Sand (gas, 1956-1972') (gas, 2025')		
(gas, 2030') (gas, 2043'+?)	1954	2045
Square Sand	2046	2056
Total depth		1983
Total depth (after deepening)		2058



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

SEP 1 1976

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE August 31, 1976

Surface Owner Paul Strickling

Company Lauderman Oil & Gas Drilling

Address West Union, West Virginia

Address 129 N. 4th Avenue

Mineral Owner Flora Freeman Heirs

Farm Flora Freeman Acres 83

Address West Union, West Virginia

Location (waters) Nutters Fork

Coal Owner Same

Well No. 19 Elevation 1122 <sup>930'</sup>

Address \_\_\_\_\_

District West Union County Oddridge

Coal Operator \_\_\_\_\_

Quadrangle West Union 7, and 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 deepening. This permit shall expire if operations have not commenced by 1-3-77.

INSPECTOR  
TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech St., Clarksburg, WV.

PHONE 622-3871

[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~~ Assignment to Lauderman Oil & Gas 19 by Williston Oil 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.

Under assignment dated the 25th day of March 1975  
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.

Recorded in West Union County Clerks office Book 100 Page 3  
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 31 day August 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) [Signature]  
Well Operator

129 N. 4th Avenue  
Street

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.

DOD-1830-DD. PERMIT NUMBER

47 017

"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 Philip Morgan, Agent

BLANKET BOND

**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 Lauderman Oil & Gas Drilling NAME \_\_\_\_\_  
 ADDRESS 129 N. 4th Avenue, Paden City ADDRESS \_\_\_\_\_  
 TELEPHONE 337-2215 TELEPHONE \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 2600 ROTARY \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: 30 Feet of Gordon  
 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	Case thru Sand---Cement		
7	3" Fracture if a well		2600 Feet
5 1/2			
4 1/2			
3	4 1/2" Casing		Perf. Top
2			Perf. Bottom
1 1/2			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS 575 48"  
 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. Bond on File with Department

**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