

FRACTURE
 New Location
 Drill Deeper
 Abandonment

Company P & M OIL COMPANY
 Address WEST UNION, WV 26456
 Farm BLAIR SWENTZEL
 Tract 88 Acres _____ Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 924
 Quadrangle Centerpoint SW
 County Doddridge District Grant
 Engineer J. M. Martin
 Engineer's Registration No. 84
 File No. _____ Drawing No. _____
 Date May 8 1947 Scale 40'

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

WELL LOCATION MAP
 FILE NO. DOD-176-Jac

+ 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.

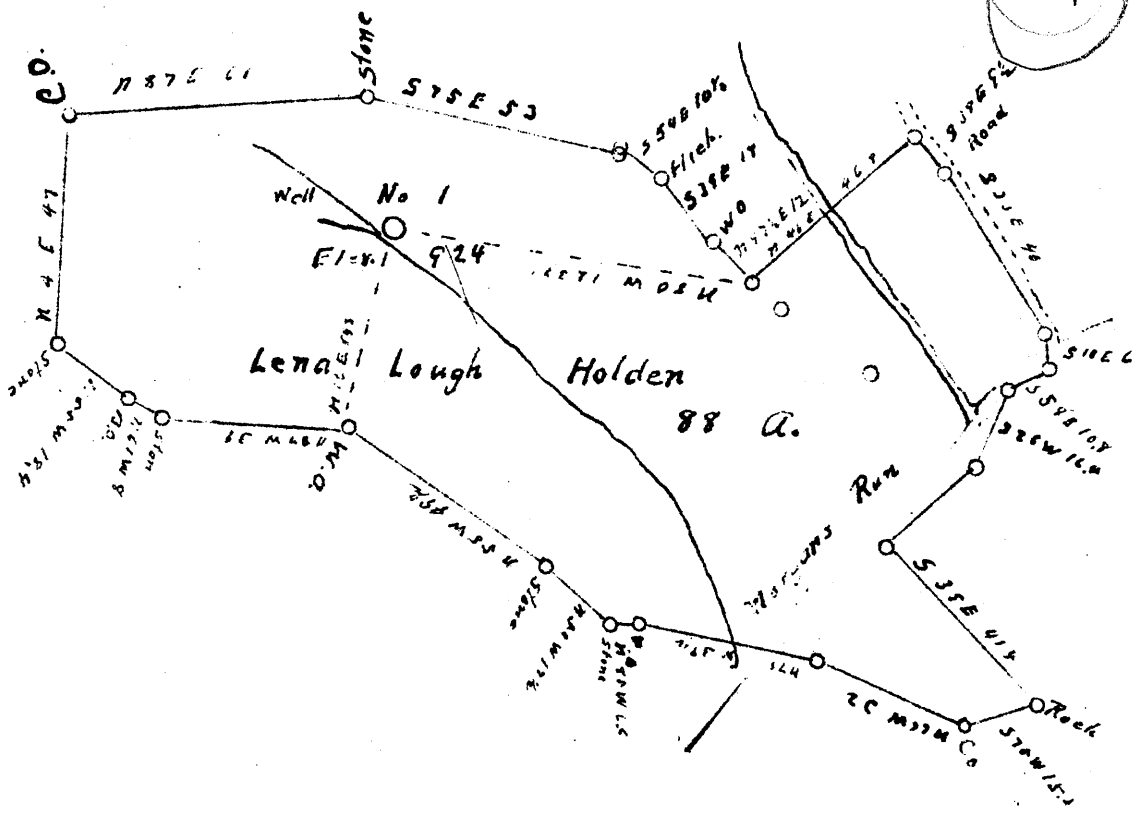
47 017

(OWN) 6-6 SMITHTON FLINT-SEDALIA 99

JUL 28 1947

Latitude 39 20

Longitude 80 40



New Location X
 Drill Deeper
 Abandonment

Company Edward Tate
 Address Smithburg Mo.
 Farm Lena Lough Holden
 Tract 88 Acres _____ Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 924
 Quadrangle Centerpoint SW
 County Doddridge District Grant
 Engineer J. M. Martin
 Engineer's Registration No. 84
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WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Dod 176
Centerpoint Quad.
Company
Address
Farm
Location
Well No.
District
Surface
Mineral
Commenced
Completed
Date shot
Open flow
Water

Edmond Tate
Smithburg, W.Va.
Lena Lough Holden A 80
Morgans Run
1 Elev. ---
Grant Doddridge County
Lena Lough Holden, Morgansville, W.Va.
Same
Sept. 1, 1947
Oct. 28, 1947
Oct. 24, 1947 Depth 1881-1887
3/10ths M in 1"
40'; 1125'; 1310'

Gas Well
CASING & TUBING

	10	282	0		
	8 1/2	899	0		
	6 5/8	1372	1372		

Coal at 103'; to 108'

Clay	S	0	14	Slate Gr	S	1673	1677
Sand Gr	S	14	30	Sand Gr	H	1677	1736
Red Rock	S	30	50	-Lime Dk	H	1736	1772
Slate Gr	S	50	60	Injun Sand Gr	H	1772	1894
Lime Gr	H	60	80	Slate	H	1894	1914
Sand Gr	S	80	103	Total depth			1914
Native Coal Bk	S	103	108	Gas 1683-98			
Lime Shells	H	108	130	Gas 1820-30			
Red Rock	S	130	140	Gas 1881-86			
Lime Gr	H	140	180	Gas 1891			
Red Rock	S	180	210				
Lime Gr	H	210	230				
Sand Gr	H	230	245				
Slate Gr	H	245	360				
Lime Gr	H	360	380				
Slate Gr	H	380	425				
Sand Gr	H	425	460				
Slate Gr	H	460	465				
Lime Shells Gr	H	465	495				
Red Rock	S	495	523				
Slate & Shells	H	523	605				
Red Rock	S	605	615				
Slate & Shell	H	615	700				
Red Rock	S	700	715				
Slate & Shl Gr	H	715	740				
Sand Gr	H	740	760				
Slate Gr	H	760	775				
Red Rock	S	775	780				
Lime Gr	H	780	810				
Slate & Shl. Gr	S	810	830				
Sand Gr	H	830	855				
Slate & Shl	H	855	870				
Slate Bk	S	870	875				
G. Lime Gr	Gritty	875	920				
Slate Bk	S	920	925				
Lime Gr	H	925	950				
Slate Wh	H	950	960				
Shell & Slate Gr	S	960	1005				
Sand Gr	H	1005	1072				
Slate Wh	H	1072	1112				
Sand Wh	H	1112	1290				
Slate Gr	S	1290	1293				
Sand Gr	H	1293	1315				
Lime Dk	S	1315	1330				
Slate Bk	S	1330	1367				
Lime Dk	H	1367	1400				
Sand Gr	H	1400	1430				
Slate Dk	S	1430	1448				
Lime Dk	H	1448	1465				
Sand Gr	S	1465	1490	Gas 1476 4/10 W 1"			
Slate Dk	H	1490	1556	Gas 1487			
Maxon Gr	S	1556	1595				
Slate & Sh Dk	H	1595	1604	Gas 1559			
Lime Bk	H	1604	1645				
Slate Gr	S	1645	1648				
- Lime Bk	H	1648	1673				

1677
1736
1772
1894
1914

RECEIVED

APR 25 1980

OIL & GAS DIVISION
DEPT. OF MINES

FRACTURE RECORD

Well Name and No: Blair Swentzel # 1

District: Grant County: Doddridge

Permit No: DOD-176-FRAC. Completion Date: 10-6-75

Formation Fractured: Material:

Perf. Top 1898
Bottom 1838

\$4,379.40

Rock Pressure:
Before Fracture _____
After Fracture 475

Test after Fracture:
Oil None
Gas 300-400 approx.

Dorothy P. Beck, Esq.
Signature

April 20, 1980
Date

COMPANY P & M Oil Company
406 Wood Street
West Union, W.Va. 26456

017-0176-F

MAY 29 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 14 1975

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Blair Swentzel et al
Address Morgansville, W. Va.
Mineral Owner _____
Address _____
Coal Owner Same as above
Address _____
Coal Operator _____
Address _____

DATE July 10, 1975
Company P. & M Oil Company
Address West Union, WV. 26456
Farm Blair Swentzel Acres 88
Location (waters) Morgans Run
Well No. 1 Elevation 924'
District Grant County Doddridge
Quadrangle Centerpoint

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 fracturing. This permit shall expire if
operations have not commenced by 11-15-75.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Richard J. Morris
P. O. Box 372
PH: 354-7259 ADDRESS Grantsville, WV.

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 7-30 1974 by Claude Blair Swentzel et al not made to Luther G. Piggott and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

_____ NEW WELL _____ DRILL DEEPER _____ REDRILL XX 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
PHYSICAL LOSS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Martinsburg, W. Va. 26505
304-296-4461

Very truly yours, P & M Oil Company
By: [Signature]
(Sign Name) L. D. Piggott
Well Operator
Address West Union, West Virginia
of _____
Well Operator _____
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.

[Signature]

DOD-176-FRAC. PERMIT NUMBER
47 017

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

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN XX _____ FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT:
 NAME _____ NAME Luther G. Piggott
 ADDRESS _____ ADDRESS West Union, WV.
 TELEPHONE _____ TELEPHONE _____
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 TYPE OF WELL: OIL _____ GAS ✓ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16		138	
13 - 10			
9 - 5/8			
8 - 5/8	<u>138</u>	<u>138</u>	
7		138	
5 1/2			
4 1/2		<u>T.D.</u>	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 103-105 _____
 IS COAL BEING MINED IN THE AREA? _____ 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