



Fracture
 New Location
 Drill Deeper
 Abandonment

Company United Operating Co.
~~Carrollton Oil and Gas Co.~~
 Address 600 Commerce St., Charleston, W. Va.
 Farm F. S. Estlack
 Tract one Acres 76 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) _____ 1065
 Quadrangle Centerpoint EC
 County Doddridge District McClellan
 Engineer J. M. Martin
 Engineer's Registration No. _____ 84
 File No. _____ Drawing No. _____
 Date July 16, 1941 Scale 1/2" = 1'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. DOD-118-Frac.

+ 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.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Dod-118

Company Coffman Oil & Gas Co
Address Salem, R#2
Farm S.F. Estlack, Acres 76
Location Pike Fork
Well No 1 Elev 1065
District McClellan Doddridge County
Surface V.B. Leigh, Wallace, W.Va. R#2
Mineral Same
Commenced Aug. 25, 1941
Completed Oct. 27, 1941
Shot Oct. 21 Depth 2822
Flow 98/10ths W in 1 1/2"
Volume Approx. 154, 000 C.F.
Rock Pressure 51 lbs. 12 hrs
Fresh Water 1485

Gas Well
Casing & Tubing
10 308 Pulled
8 1/4 1161 "
6 5/8 2004 2004
2 2907 2907

O.W.S. Packer
Size 4 7/8
Depth set 2809
Perf. bottom 8'

Casing cemented,
6 5/8--100 ft. Red Mud
Oct. 9, 1941

Coal at 646 feet

Conductor	13 ft.		
Pittsburgh Coal	646	647	
Red Rock	895	937	
L. Dunkard	1067	1070	
B. Dunkard	1115	1130	
Gas Sand	1280	1242	
Salt Sand	1254	1325	Water 1485
2nd Salt	1465	1573	
3rd Salt	1585	1652	
Maxon Sand	1785	1835	Show of Gas 1825
Lime	1850	1879	
Break	1879	1880	
Sand	1880	1895	
Red Rock	1895	1908	
Lime	1930	1935	
Red Rock	1935	1945	
L. Lime	1965	1970	
Pencil Cave	1970	1990	
Big Lime	1997	2055	
Big Injun	2055	2170	
Gantz Sand	2295	2360	Show Gas 2646
Fifty Foot	2520	2545	
Thirty Foot	2644	2667	
Sand	2734	2756	
Sand	2785	2791	
Break	2791	2799	
Sand	2799	2808	
Break	2808	2812	Show Gas 2814
Gordan Sand	2812	2839	" " 2820
Break	2839	2860	" " 2824
Fourth Sand	2860	2875	
TOTAL DEPTH		2907	

RECEIVED

NOV 28 1973

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION

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

Surface Owner F. S. Estlack
Address Center Point, W. Va.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator None
Address _____

DATE November 26, 1973
Company United Operating Company
~~O. E. & L. B. Coffman~~
Address 600 Commerce Square, Charleston
Farm F. S. Estlack Acres 150
Location (waters) Sycamore Fork
Well No. 1 Elevation 1265
District McClellan County Doddridge
Quadrangle _____

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 3-28-74.

Robert H. Folds
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED William Blusser
Colfax, W. Va. PH: 363-9105

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 _____ 19__ by F.S. Estlack made to O. E. & L. B. Coffman 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.

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, J. L. Tuttle
(Sign Name) _____
Well Operator

Address _____
of _____
Well Operator _____
600 Commerce Square Street
Charleston City or Town
West Virginia 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

DODD-118-FRAC.

Survey

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

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN X FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT:
 NAME _____ NAME J. L. Trittipo
 ADDRESS _____ ADDRESS 600 Commerce Sqe., Charleston
 TELEPHONE _____ TELEPHONE 343 9383
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 TYPE OF WELL: OIL _____ GAS X 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	2110	2110	None
5 1/2			
4 1/2			
3			
2	2600	2600	Perf. Top Perf. Bottom 500 Feet
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS NA FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____, _____
 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.