



COAL OWNED BY \_\_\_\_\_  
 RECONDITION   
 NEW LOCATION.....  
 DRILL DEEPER.....  
 ABANDONMENT.....

0-25-10

COMPANY THE MANUFACTURERS LIGHTNER  
 ADDRESS 800 UNION TRUST BLDG., PCH, PA.  
 FARM RAY RIGGLE  
 TRACT \_\_\_\_\_ ACRES 90 LEASE No. 19435  
 WELL (FARM) No. 1 SERIAL No. F-14590  
 ELEVATION (SPIRIT LEVEL) 1193.60'  
 QUADRANGLE CAMERON NE  
 COUNTY MARSHALL DISTRICT WEBSTER  
 ENGINEER A.G. Strator M.  
 ENGINEER'S REGISTRATION No. 9442  
 FILE No. \_\_\_\_\_ DRAWING No. Y-25-386  
 DATE 26 JUNE 61 SCALE 1"=100'

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

**WELL LOCATION MAP**

FILE No. MARS 422-Redrill

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Cameron  
Permit No. (MARS-422-Partial Plug)

**WELL RECORD**

STORAGE GAS  
Oil or Gas Well GAS  
(KIND)

Company The Manufacturers Lt. and Ht. Co.  
Address 800 Union Trust Building, Pittsburgh 19, Pa.  
Farm Ray Riggle Acres 90

Location (waters) \_\_\_\_\_  
Well No. L-4624 Elev. 1193.60G.L.  
District Webster County Marshall

The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_

Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_

Drilling commenced July 18, 1961

Drilling completed November 22, 1961

Date Shot 11/22/61 ~~from~~ Big Injura

With \_\_\_\_\_

Open Flow /10ths Water in \_\_\_\_\_ Inch

/10ths Merc. in \_\_\_\_\_ Inch

Volume No Open Flow - Dry Hole \_\_\_\_\_ Cu. Ft.

Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
10 3/8"	62'	62'	Kind of Packer
10 3/4"	611'4"	611'4"	Size of
8 5/8"	1186'10"	1186'10"	Depth set
7"	1778'8"	1778'8"	
5 3/16"			
3"			Perf. top
2"			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 664 FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Pittsburgh Coal		6	664	670			
✓ Gas Sand		53	1305	1358			
✓ 1st Salt Sand		32	1434	1466			
✓ 3rd Salt Sand		83	1635	1718			
✓ Big Injura		234	1742	1976			
✓ Upper 30' (Berea)		13	2323	2336			
✓ 50' Sand		5	2527	2532			
✓ Gordon Stray Sand		16	2630	2646			
✓ Gordon Sand		19	2682	2701			
✓ 4th Sand		3	2727	2730			
✓ 5th Sand		24	2800	2824			
Redrilled to a depth of 3273' and partially plugged as follows:							
Aquagel			2850	3273			
Cement			2600	2850			
Aquagel			2550	2600			
Cement			2300	2550			
Aquagel		200	2000	2300			
Cement			1900	2000			
Total Depth				1900			
Original Well Information			F-14590				
Completed 1904-1905							
Dry Hole							
Not plugged - Reported drowned out.							