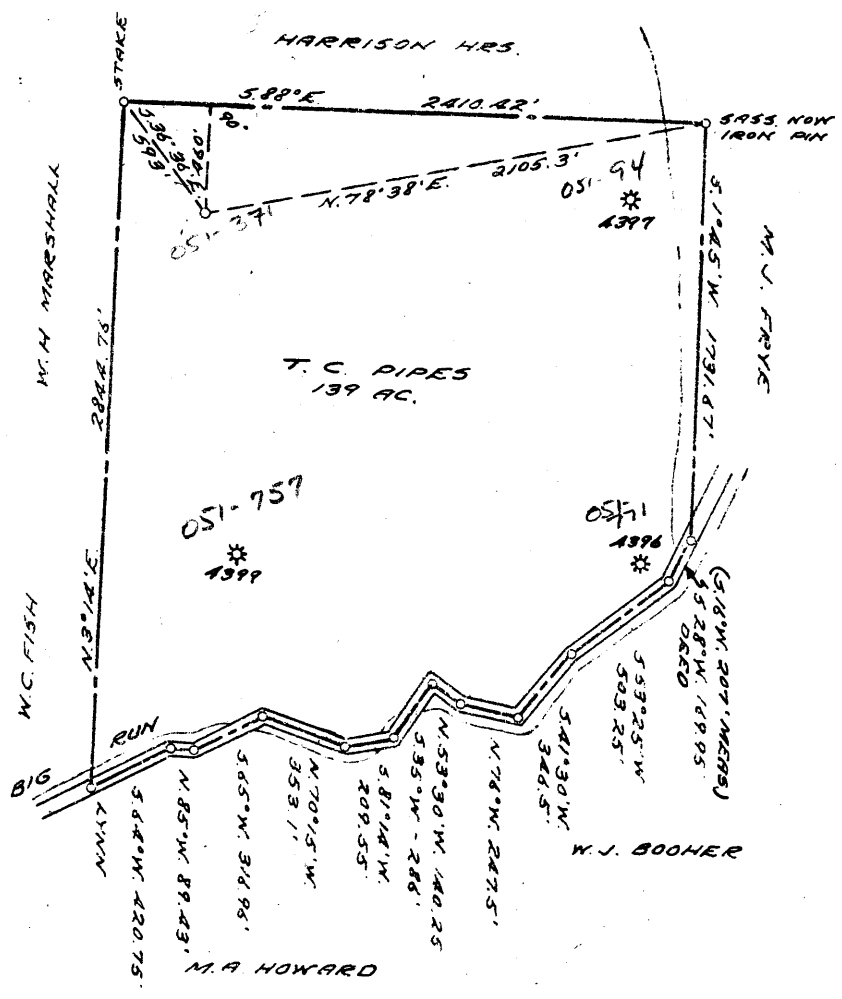


LATITUDE 39° 0' 30" 39° 47' 30"

LONGITUDE 80° 0' 35"



3.25S
0.93W
+

70125

0-25-28

COAL OWNED BY _____
 ACTIVE WELL TO BE RECONDITIONED

NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

COMPANY THE MANUFACTURERS LIGHT & HEAT

ADDRESS 800 UNION TRUST BLDG. PGH. PA.

FARM T. C. PIPES

TRACT _____ ACRES 139 LEASE No. 28900

WELL (FARM) No. 3 SERIAL No. 1398
(C-828)

ELEVATION (SPIRIT LEVEL) 1163.55'

QUADRANGLE CAMERON-SC

COUNTY MARSHALL DISTRICT LIBERTY

ENGINEER Robert M. Heill

ENGINEER'S REGISTRATION No. 361-E (J.F.)

FILE No. _____ DRAWING No. Y-25-67

DATE 8 FEB. 1960 SCALE 1" = 800

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

WELL LOCATION MAP

FILE No. MARS-371-R (Storage)

+ 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

WELL RECORD

Storage

Permit No. MARS-371-R

Oil or Gas Well GAS
(KIND)

Company The Manufacturers Light and Heat Co.
Address 800 Union Trust Bldg., Pittsburgh 19,
Farm T. C. Pipes Acres 139
Location (waters) _____
Well No. L-4398 Elev. 1163.55'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced February 1, 1960
Drilling completed April 11, 1960
Date Shot _____ From _____ To _____
With _____
Open Flow 65 /10ths Water in 3/4 Inch
_____ /10ths Merc. in _____ Inch
Volume 33,641,000 - 8 days Cu. Ft.
Rock Pressure 26 lbs. 72 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Pa. Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10 3/4"	179'	179'	Size of
8 1/2 5/8"	921'	1100'	
7 1/8 7"	1941'	1941'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

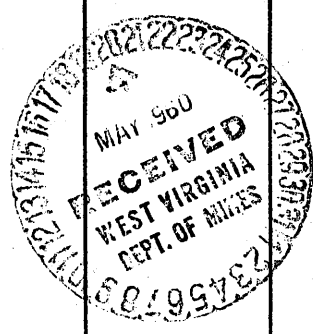
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 847 FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Thick/pt	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
		THICKNESS					
✓ Pittsburgh Coal		6	847	853 →			
✓ Big Dunkard Sand		92	1330	1422			
✓ Maxton Sand		10	1904	1914	1974		
✓ Lower Maxton Sand		33	1925	1958	1160		
✓ Big Lime			1974		810		
✓ Big Injun Sand			BOTTOM NOT LOGGED				
Drill Down		112	2108	2220			
Set 7" Shoe at				1941			
TOTAL DEPTH				2220			
Perforated 7"		16	1925	1941			
Run 921' of 8 5/8" new casing and connected it to 179' of original casing, left in hole, with a steel die nipple. Perforated the 7" casing from 1925' to 1941', four shots per foot, total 65 shots, 3 5/8 capsule jets, making this a dual-completion well, tubingless.							
Plug down pressure							
	10"	8"	7"				
Cement	100#	300#	800#				
Return	Yes	Yes	Yes				



→ 371

Liberty District, Marshall County, W. Va.
 By Carnegie Natural Gas Co.
 Cameron SE Quadrangle.
 On 139 acres; lease No. 9802.
 Drilling commenced Aug. 19, 1918; completed, Sept. 28, 1918.
 Elevation, 1005'.
 2,500,000 cu. ft. gas in Maxton; blew down to 1,000,000 cu. ft.
 Gas at 2097-2103', 6,500,000 cu. ft.; 520# R. P. (Big Injun Sand).
 Cleaned out July 16, 1937; 744,000 cu. ft.
 Record from Wilcox 10-15-39.

	Top.	Bottom.
Pittsburgh Coal	848	855
Murphy Sand (water, 1088')	1088	1108
Little Dunkard Sand	1245	1263
Big Dunkard Sand	1323	1353
Sand (3rd Salt)	1890	1940
Maxton Sand (2,500,000 cu. ft. gas; blew down to 1,000,000 cu. ft.)	1940	1970
Big Lime	1970	1995
Big Injun Sand (show gas and oil, 2020-35'; gas, 2097-2103'; 6,500,000 cu. ft.; 520# R.P.)	1995
Total depth		2108