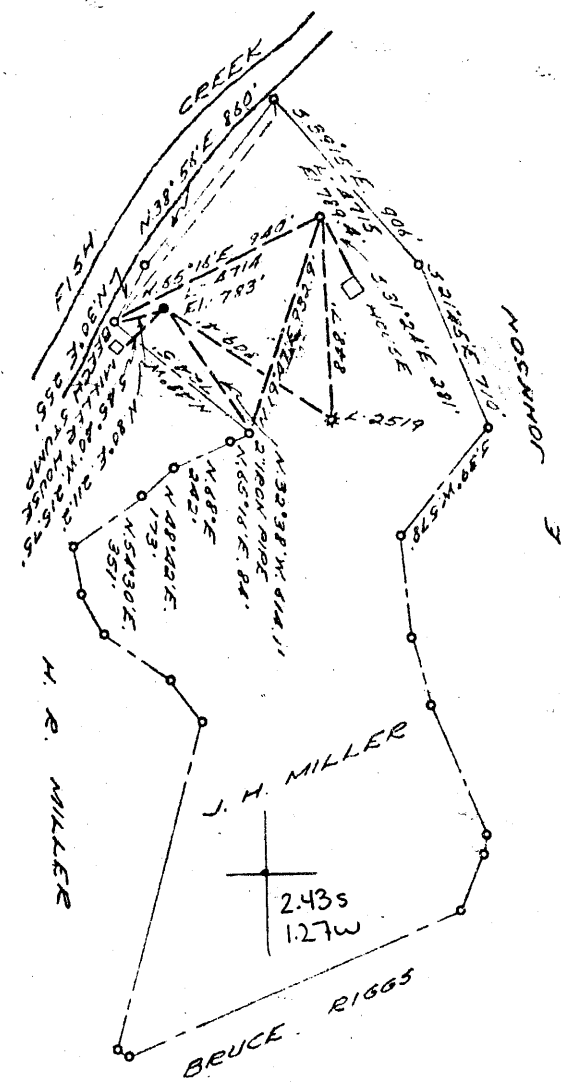


0 1 2 3 LATITUDE 39 ° 50

39° 47' 30"

LONGITUDE 80 ° 35



5.45S
1.47W

COAL OWNED BY _____

NEW LOCATION..... FOR STORAGE

DRILL DEEPER.....

ABANDONMENT.....

0-25-28

COMPANY THE MANUFACTURERS LIGHT & HEAT

ADDRESS 800 UNION TRUST BLDG. PGH. PA.

FARM J. H. MILLER

TRACT _____ ACRES 81 LEASE No. 2296

WELL (FARM) No. 3 SERIAL No. 471A

ELEVATION (SPIRIT LEVEL) 783'

QUADRANGLE CAMERON SC

COUNTY MARSHALL DISTRICT LIBERTY

ENGINEER Robert M. Heill

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

FILE No. _____ DRAWING No. Y-25-563

DATE 12 JUNE 62 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE No. MARS-464

+ 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

Permit No. MARS-464

STORAGE
Oil or Gas Well X GAS
(KIND)

Company The Mfrs. Lt. and Ht. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm J. H. Miller Heirs Acres 81
Location (waters)
Well No. L-4714 Elev. 783
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced June 18, 1962
Drilling completed July 26, 1962
Date Shot 7/26/62 From Big Injun To Maxton
With Orifice Well Tester
Open Flow 4.6 /10ths Water in _____ Inch
1 1/2 /10ths Merc. in _____ Inch
Volume 520.637 MCF _____ Cu. Ft.
Rock Pressure 690 lbs. 4 days _____ 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			Kind of Packer
16			
18 3/8"	96	96	
10			Size of
8 1/2 5/8"	489	489	
6 1/2			Depth set
5 3/16 1/2"	1546	1546	
8			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 436 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Thickness	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal		7	436	443	Small Show of Gas		
Murphy Sand		14	552	566	Good Stream of Water	108'	
Big Dunkard Sand		10	994	1004			
First Salt Sand		14	1250	1264			
Second Salt Sand		14	1388	1402			
Maxton Sand		32	1444	1476	Dry		
Big Lime			1526	1562			
Big Injun Sand			1566		No Drilled Through		Dry
Total Depth				1756			
Total Depth of 5-1/2" Casing				1548			

