

COAL OWNED BY _____
 RECONDITIONED
 NEW LOCATION
 DRILL DEEPER
 ABANDONMENT *issued 3-2-70*

0-25-24

COMPANY THE MANUFACTURERS LIGHT & HEAT
 ADDRESS 800 UNION TRUST BLDG. PGH. PA.
 FARM G. G. & ELSIE BOND
 TRACT _____ ACRES 1.13 LEASE NO. 24931
 WELL (FARM) NO. 1 SERIAL NO. 1-994
 ELEVATION (SPIRIT LEVEL) 1099'
 QUADRANGLE CAMERON SE
 COUNTY MARSHALL DISTRICT LIBERTY
 OPERATOR Thomas W. Bond
 BUSINESS REGISTRATION NO. _____
 FILE NO. _____ DRAWING NO. 1-25-291
 DATE 10-1-67 SCALE 1"=100'

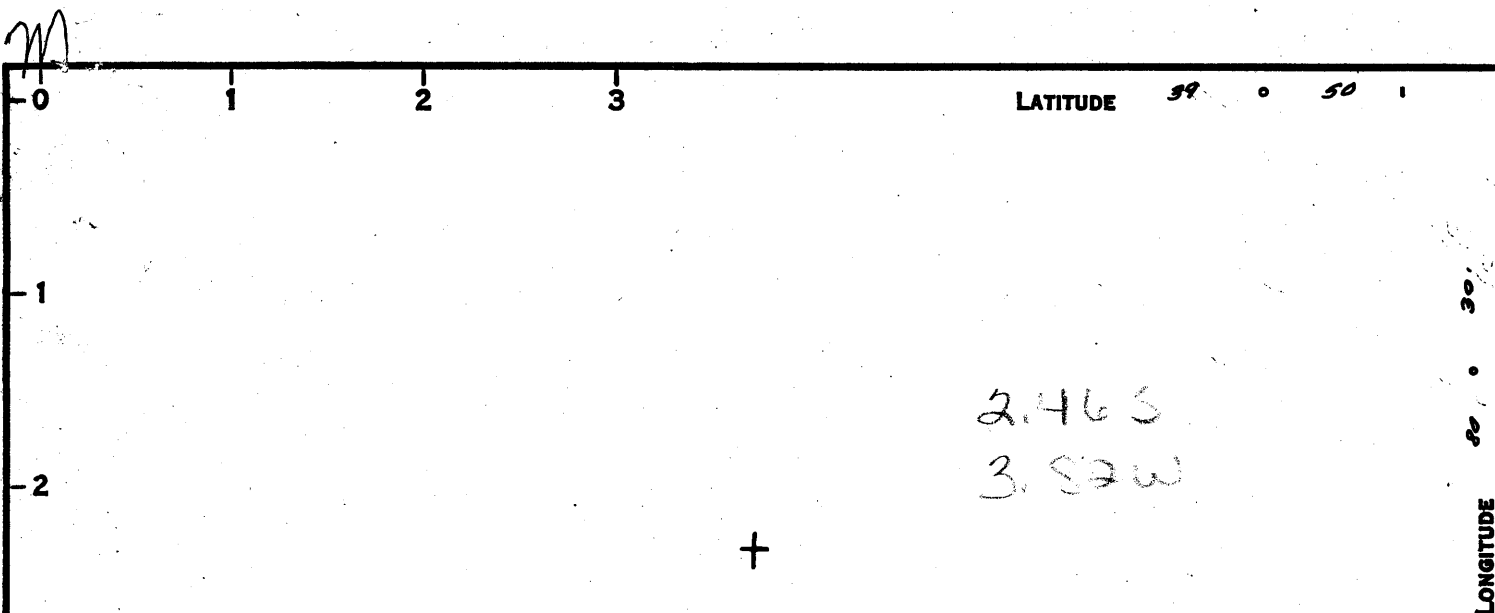
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

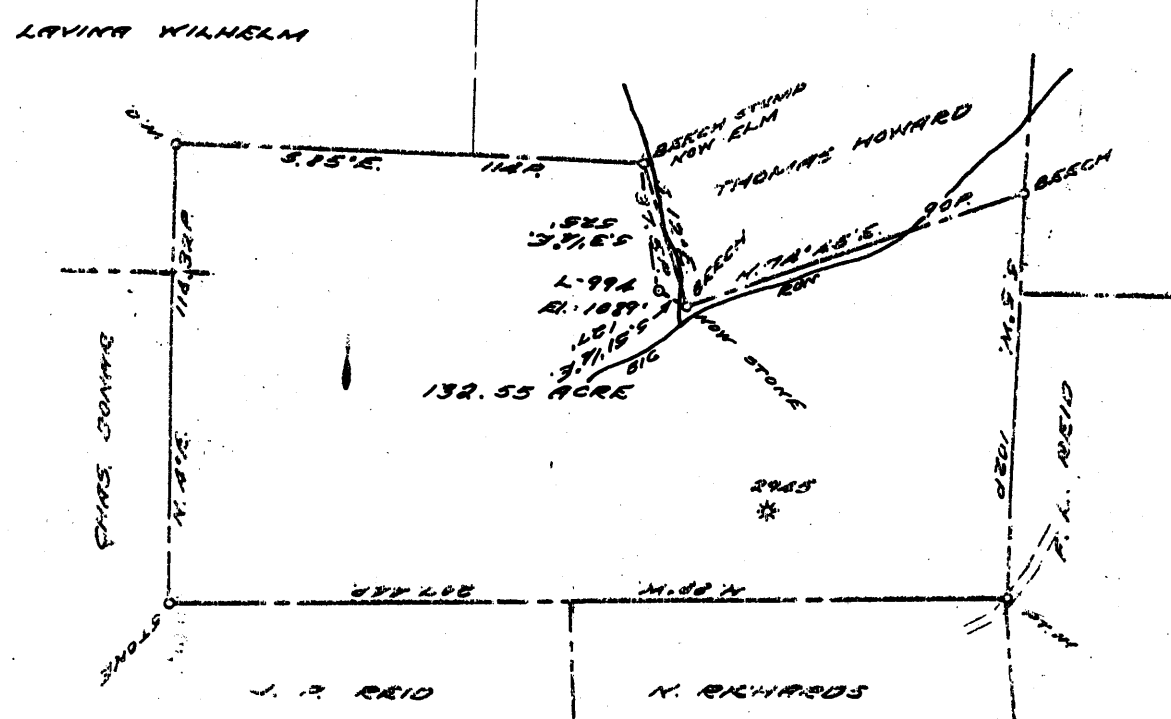
FILE NO. MARS-107-R-P

+ 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.



2.465
3.525



COAL OWNED BY _____
 RECONDITIONED
 NEW LOCATION...
 DRILL DEEPER...
 ABANDONMENT...

0-25-24

COMPANY THE MANUFACTURERS LIGHT & HEAT
 ADDRESS 800 UNION TRUST BLDG. PCH. W.
 FARM C. A. & ELSIE BONAR
 TRACT _____ ACRES 133 LEASE NO. 26931
 WELL (FARM) NO. 1 SERIAL NO. L-992
 ELEVATION (SPIRIT LEVEL) 1089'
 QUADRANGLE CAMERON SE
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Thomas E. Virgin M.
 ENGINEER'S REGISTRATION NO. 1503
 FILE NO. _____ DRAWING NO. Y-25-291
 DATE 8 MAR. 61 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE NO. MARS-407-R

+ 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-407-R

WELL RECORD

Oil or Gas Well Storage
GAS
(KIND)

Company The Mfrs. Lt. and Ht. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm C. A. and Elsie Bonar Acres 133
Location (waters) _____
Well No. L-994 Elev. 1089'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced March 16, 1961
Drilling completed May 18, 1961
Date Shot 5/22/61 From 1924' To 2100'
With Orifice Well Tester
Open Flow 0 /10ths Water in 1/4 Inch
_____ /10ths Merc. in _____ Inch
Volume None Cu. Ft.
Rock Pressure 3 1/2 lbs. 96 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13 3/8"	199'	199'	
10 3/4"	786'	1135'	Size of _____
8 5/8"	1076'	1823'	
6"			Depth set _____
5 1/2"	1924'	1924'	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

COAL WAS ENCOUNTERED AT 714 FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
		THICKNESS					
✓Pittsburgh Coal		8	714	722			
✓Maxton Sand		41	1686	1727			
✓Big Lime			1834				
✓Big Injun Sand				2124			
Old 8" casing		(745')	1078	1823			
Set 5 1/2" casing				1924			
Plug back to			2100				
Total Depth				2100			
							Run new 10 3/4" casing on a steel shoe to 786'. Set it on top of 349' of original 10" casing, left in the hole.
							Run new 8 5/8" casing on a steel shoe to 1076'. Set it on top of 745' of original 8" casing, left in hole.