

Redrilled for Storage

COAL OWNED BY M. A. Hanno. Coal Company

Degree of accuracy $1/1000$

NEW LOCATION DRILL DEEPER ABANDONMENT "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." Robert M. Hall 361 E (JF)

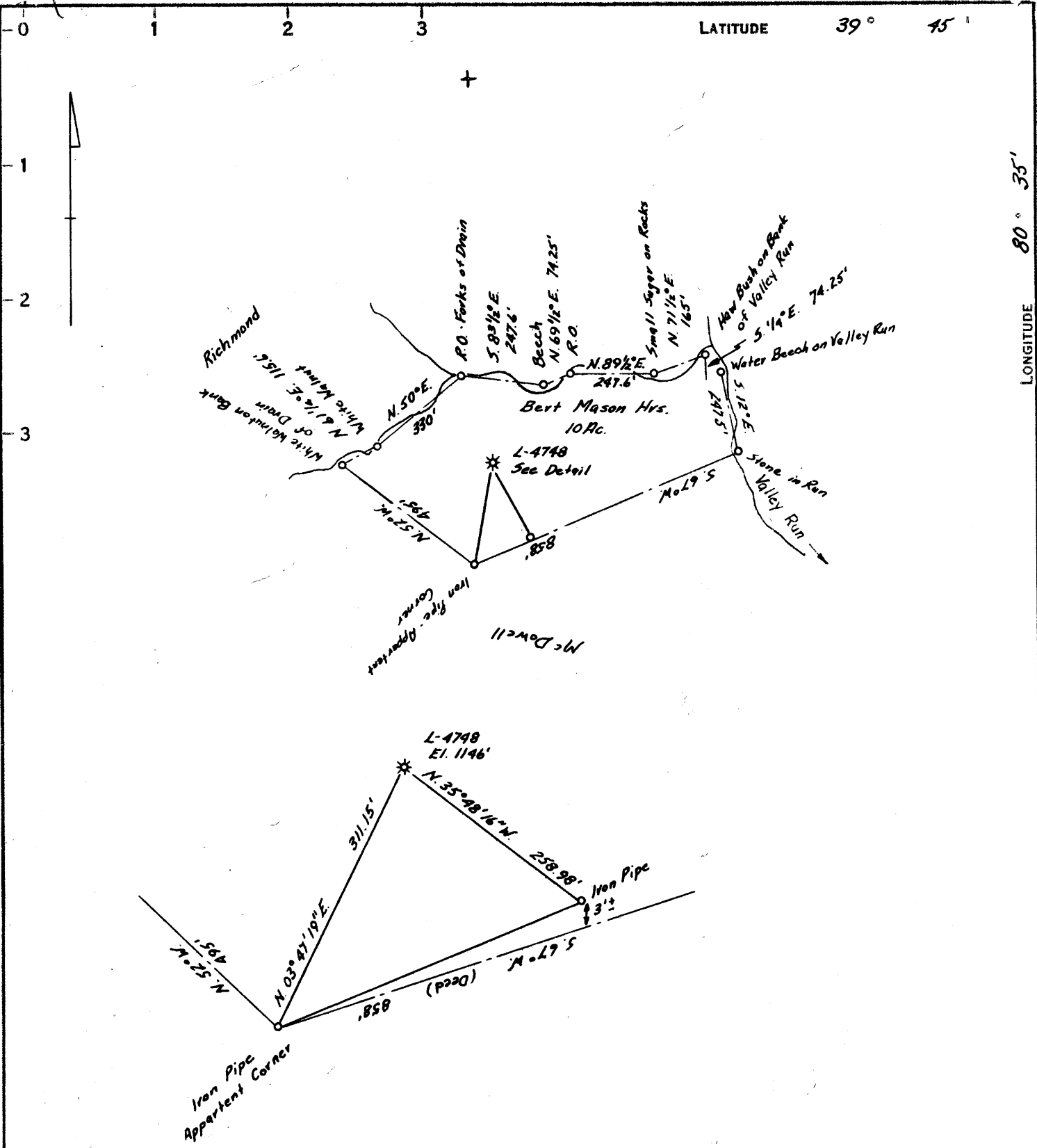
COMPANY The Manufacturers Light And Heat Co.
 ADDRESS 800 Union Trust Bldg. Pittsburgh, Pa.
 FARM Bert Mason Hrs.
 MAP P-25/2 ACRES 10 LEASE No. 27583
 WELL (FARM) No. 1 SERIAL No. L-4748
 ELEVATION (SPIRIT LEVEL) 1146'
 QUADRANGLE Littleton N. Va. & Pa. 15' N.C.
 COUNTY Marshall DISTRICT Meade
 POINT OF PROVEN ELEVATION Well L-4232
 FILE No. _____ DRAWING No. Y-25-729
 DATE April 16, 1963 SCALE 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE No. MARS-495-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.

SEP 9 1971

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NEW LOCATION

DRILL DEEPER

ABANDONMENT

Robert M. Hall 361 E (JF)

COMPANY The Manufacturers Light And Heat Co

ADDRESS 800 Union Trust Bldg. Pittsburgh, Pa.

FARM Bert Mason Hrs.

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

WELL LOCATION MAP
FILE NO. MARS-495-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 Littleton

WELL RECORD

Permit No. MARS-495-R

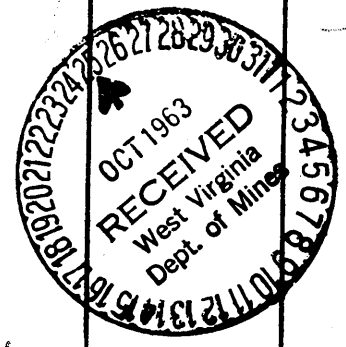
Storage
Oil or Gas Well GAS

Company The Mfrs. Lt. and Ht. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm Bert Mason Acres 10
Location (waters) _____
Well No. 4748 Elev. 1146.00
District Meade County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced May 16, 1963
Drilling completed August 12, 1963
Date Shot 8/12/63 From Maxton Sand
With Orifice GasWell Tester
Open Flow 0 /10ths Water in 1/4 Inch
_____ /10ths Merc. in _____ Inch
Volume None Cu. Ft.
Rock Pressure 00 lbs. 24 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
12 3/8"	91'	91'	
10 3/4"	440'	1566'	Size of
7"	1902'	2046'	Depth set
6"			
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 930 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	930	937			
Murphy Sand		10	1040	1050			
Big Dunkard Sand		77	1413	1490			
Third Salt Sand		48	1802	1850			
Maxton Sand		32	1928	1960	Perforated	1929 to 1961	
Big Lime		53	2046	2099			
Big Injun Sand			2102				
Total Depth				2096			
7" Casing Set at 2046'							
Old 7" Csg.			1902	2034			
New 7" Csg.				1902			
			2046 1146 900	2099 1146 953			1146 930 216



2046
1146
900