

COAL OWNED BY THE STATE OF WEST VIRGINIA

NEW LOCATION
 DRILL DEEPER
 ABANDONMENT

7.5' loc
2.125 3747 30
1.91 W 80° 30'
11/2/2007

COMPANY THE MANUFACTURERS LIGHT & HEAT CO.
 ADDRESS 800 UNION TRUST BLDG, PITTSBURGH, PA.
 FARM JACOB BURLEY TRACT OF L. BURLEY FARM
 TRACT 1 ACRES 134 LEASE NO. 2304-435A
 WELL (FARM) NO. 4 SERIAL NO. 2973
 ELEVATION (SPIGOT LEVEL) 1395'
 QUADRANGLE CAMERON SE + 7.5' quad
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER *J. L. ...*
 ENGINEER'S REGISTRATION NO.
 FILE NO. DRAWING NO. Y-11-298
 DATE OCT. 28-46 SCALE 1" = 800'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. MARS-258-A

• 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



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. 258-A

Oil or Gas Well Gas
(KIND)

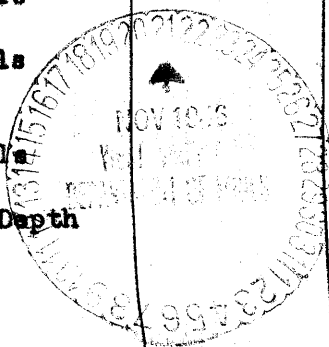
Company The Mfrs. Light & Heat Company
 Address 800 Union Trust Bldg., Pgh. Pa.
 Farm Lindsey Burley Acres 4.38
 Location (waters) Liberty
 Well No. 2973 Elev. 1395
 District Liberty County Marshall
 The surface of tract is owned in fee by L. F. Burley and Jacob Burley, et al Address Woodruff, W. Va.
 Mineral rights are owned by The Mfrs. Lt & Ht. Co.
800 Union Trust Bldg. Address Pgh. Pa.
 Drilling commenced December 11th, 1924
 Drilling completed January 22nd, 1925
 Date Shot _____ From _____ To _____
 With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	23119"		Size of
8 1/2	1460'	1460'	
6 1/2	2165' 10"	2165' 10"	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow 18 10ths Water in 2" Inch
 _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure 50 lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 715 FEET 60 INCHES
915 FEET 60 INCHES 1015 FEET 84 INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay, Slate, Rock & Lime			0	715			
Waynesburg Coal			715	720			
Sand, Slate & Lime			720	915			
Mapletown Coal			915	920			
Sand & Slate			920	1015			
Pittsburgh Coal			1015	1022			
Sand & Shells			1022	1255			
Murphy Sand			1255	1270			Gas at 1260
Sand & Slate			1270	1445			
Little Dunkard Sand			1445	1460			P-1460
Sand & Shells			1460	1520			
Big Dunkard Sand			1520	1590			
Sand & Shells			1590	1810			P-1810
First Salt Sand			1810	1840			
Sand & Shale			1840	2010			
Second Salt Sand			2010	2060			
Sand & Shale			2060	2085			P-2085
Maxon Sand			2085	2125			Show Oil
Slate & Shale			2125	2155			
Pencil Cave			2155	2165			P-2165
Big Lime			2175	2220			P-2220
Big Injun Sand			2220	2480			Br.
Slate & shale			2480	2800			
Thirty Foot Shells			2800	2890			
Slate & shells			2890	3020			
Fifty Foot Sand			3020	3045			Gas at 3022
Slate & shells			3045	3085			P-3085
Gordon Stray			3085	3100			
Slate & shells			3100	3105			P-3105
Gordon			3105	3140			Gas at 3122
Fourth Sand			3140	3150			P-3150
Slate & shells			3150	3170			P-3170
Fifth Sand			3170	3176			Gas at 3172 to 3175
Total Depth				3224			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date Nov. 19th, 1946

APPROVED THE MANUFACTURERS LIGHT & HEAT CO. Owner

By Ben Cooper LAND AGENT.
(Title)