

COAL OWNED BY STATE OF WEST VIRGINIA

NEW LOCATION   
 DRILL DEEPER   
 ABANDONMENT

COMPANY THE MANUFACTURERS LIGHT AND HEAT CO.  
 ADDRESS 800 UNION TRUST BUILDING, PITTSBURGH PA.  
 FARM SAM'L A. GRAY  
 TRACT \_\_\_\_\_ ACRES 13A.26P LEASE NO. 2254  
 WELL (FARM) NO. 1 SERIAL NO. 1719  
 ELEVATION (SPIRIT LEVEL) 987'  
 QUADRANGLE CAMERON SE  
 COUNTY MARSHALL DISTRICT LIBERTY  
 ENGINEER J. L. Mervin  
 ENGINEER'S REGISTRATION NO. \_\_\_\_\_  
 FILE NO. WELL BK 36 P-28 DRAWING NO. Y-11-337  
 DATE MAY 28 '47 SCALE 1" = 400'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP  
 FILE NO. MARS-262-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. 767-A

Oil or Gas Well Gas  
(KIND)

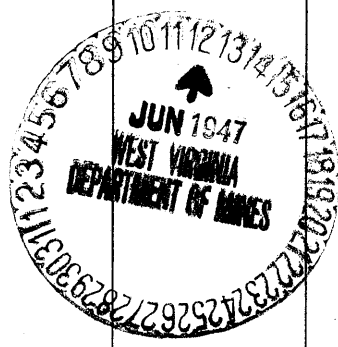
Company THE MANUFACTURERS LIGHT & HEAT COMPANY  
 Address 800 Union Trust Bldg., Pittsburgh, Penna.  
 Farm Samuel Warrick Acres 14  
 Location (waters) Channel 9.5 mi - feet  
 Well No. 1-1719 Elev. 987'  
 District Liberty County Marshall  
 The surface of tract is owned in fee by E. L. Hinerman et al  
Cameron, W. Va. Address \_\_\_\_\_  
 Mineral rights are owned by The Mfrs. Light & Heat Co.  
800 Union Trust Bldg., Address Pittsburgh, Penna.  
 Drilling commenced Feb. 12, 1914  
 Drilling completed March 30, 1914  
 Date Shot March 31, 1914 2909 To \_\_\_\_\_  
 With 50 quarts  
 Open Flow 4/10ths Water in 6-5/8 Inch  
 \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume 1,400,000 Cu. Ft.  
 Rock Pressure 385 lbs. 1/2 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			
16			Kind of Packer _____
18			<u>Callafian Disc Wall</u>
10	<u>310'</u>		Size of <u>6-5/8 X 1/4"</u>
8 3/4	<u>1370'</u>	<u>1370'</u>	
6 3/4	<u>2045</u>	<u>2045</u>	Depth set <u>2295' 11"</u>
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 580 FEET 60 INCHES  
775 FEET 60 INCHES 885 FEET 96 INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	25			
Slate			25	50			
Lime			50	95			
Slate			95	105			
Lime			105	175			
Slate			175	215			
Sand			215	260			
Lime			260	275			
Slate			275	310			
Red Rock			310	420			
Sand			420	580			
Waynesburg Coal			580	585			
Sand & Lime			585	625			
Mapletown Lime			625	775			
Mapletown Coal			775	780			
Slate			780	800			
Lime			800	885			
Pittsburgh Coal			885	893			
Murphy Sand			893	1040			
Red Rock			1040	1220			
Little Dunkard			1220	1240			
Slate & Lime			1240	1370			
Big Dunkard			1370	1390			
Slate & Shale			1390	1605			
Gas Sand			1605	1655			
Shale			1655	1685			
Sand			1685	1780			
Slate & Shale			1780	1820			
Salt Sand			1820	1860			
Slate & Shale			1860	1950			
Sand			1950	1980			
Slate & Shale			1980	1995			
Maximum Sand			1995	2010			
Big Lime			2010	2090			
Big Injun			2090	2365			
Slate			2365	2435			
Shell & Slate			2435	2900			
Gordon Stray			2900	2920			

Little gas at 2150'  
 Gas from 2902 to 2907'



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			2920	2923			
Gordon Sand			2923	2934			
Slate			2934	2954			
Fourth Sand			2954	2974			
Slate			2974	2985			
Fifth Sand			2985	2997			
TOTAL DEPTH			3006				

Date May 21st, 1947

APPROVED THE MANUFACTURERS LIGHT & HEAT COMPANY, Owner

By Paul Cooper LAND AGENT  
(Title)