

COAL OWNED BY _____

NEW LOCATION
 DRILL DEEPEN
 ABANDONMENT

issued 9-2-69

0-26-12

COMPANY THE MANUFACTURERS LIGHT & HEAT
 ADDRESS 800 UNION TRUST BLDG. PGH. PA.
 FARM MARY CHARNOCK (Geo. E. Fish)
 TRACT ACRES 144 AC. LEASE No. 2272
 WELL (FARM) No. 2 SERIAL No. 3723
 ELEVATION (SPIRIT LEVEL) 1160'
 QUADRANGLE CAMERON 3C
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER AG Treator
 ENGINEER'S REGISTRATION No. 9442
 FILE No. _____ DRAWING No. Y-25-43
 DATE 12 NOV. 59 SCALE 1" = 660'

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

WELL LOCATION MAP

FILE No. MARS-148-D-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.

LATITUDE 39 ° 50 '

LONGITUDE 80 ° 35 '

J. C. FISH

W. P. CHARNOCK

GEO. CHAMBERS

CHARLES M. CHARNOCK
(GEO. E. FISH)
144 AC.

WILLIAMS
&
BOLES

W.M. DAVIS

J.C. REED

151
H. 17.5
0.35 W

COAL OWNED BY _____

NEW LOCATION.....
DRILL DEEPER.....
ABANDONMENT.....

0-26-12

COMPANY THE MANUFACTURERS LIGHT & HEAT
ADDRESS 800 UNION TRUST BLDG. PGM. PA.
FARM MARY CHARNOCK
TRACT ACRES 144 AC. LEASE No. 2272
WELL (FARM) No. 2 SERIAL No. 3723
ELEVATION (SPIRIT LEVEL) 1160'
QUADRANGLE CAMERON - SC
COUNTY MARSHALL DISTRICT LIBERTY
ENGINEER A.G. Streater
ENGINEER'S REGISTRATION No. 9442
FILE No. _____ DRAWING No. 425-A3
DATE 12 NOV. 59 SCALE 1" = 660'

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

WELL LOCATION MAP

FILE No. MAR.S-148-D

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPO-
GRAPHIC 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-148-D

WELL RECORD

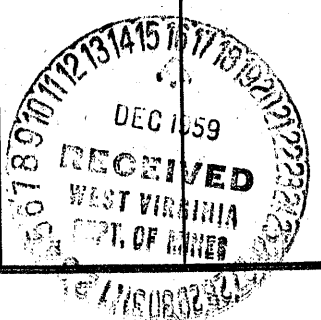
Storage
Oil or Gas Well GAS
(KIND)

Company The Manufacturers Light and Heat Company
Address 800 Union Trust Building, Pittsburgh 19,
Farm Mary Charnock Acres 144
Location (waters) _____
Well No. 3723 Elev. 1160'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed October 30, 1959
Date Shot _____ From 0' To 2200'
With Drilling Machine
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Pa Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10 3/4"	277	277	Size of
8 1/2" 5/8"	1293	1293	Depth set
7"	1964	1964	Perf. top
5 3/16			Perf. bottom
8			Perf. top
2			Perf. bottom
Liners Used			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ 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				
			Drilling Deeper				
			Starting depth	1320			
	Sand	White Hard	1320	1348			
	Slate	Dark Soft	1348	1358			
✓	Sand	White Hard	1358	1396	Gas Sand		1948
	Slate	Dark Soft	1396	1414			1160
✓	Freeport	Coal	1414	1420			- 788
	Shale	Blue Soft	1420	1473			
✓	Sand	White Hard	1473	1523	Salt Sand		
	Slate & Lime	Shells	1523	1712			
✓	Sand	Dark Hard	1712	1736	Salt Sand		
	Slate		1736	1792			
	Sand	Dark Hard	1792	1830			
	Slate & Gritty	Lime	1830	1870			
	Sand	Light Hard	1870	1896			
	Slate	Black Soft	1896	1926			
✓	Sand	White Hard	1926	1948	Maxton Sand		1930
✓	Lime	Dark Hard	1948	1967	Big Lime		1160
✓	Sand	Hard	1967	2200	Big Injun Sand		770
	TOTAL DEPTH			2200			
			Schlumberger Well Surveying Corp.		10-30-59		
	Pittsburgh Coal	7	808	815			
	Big Dunkard	-	-	-			
	Freeport Coal	8	1416	1424			
	Big Lime		1930				
	Big Injun Sand				Not drilled through		
	TOTAL DEPTH			2200			
		2200 1322 878	new dtg.				



WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Mars 148		Gas Well
Cameron Quad.		CASING & TUBING
Company	The Manufacturers Light & Heat Company	
Address	800 Union Trust Bldg. , Pittsburgh, Pa.	10 291'1.0 Same
Farm	Mary Charnock Acres 144	8½ 1315'5 "
Location		
Well No	2-3723 Elev. 1160'	Packer
District	Liberty Marshall County	(?)
Surface	George E. Fish, Star Route, Cameron, W.Va.	
Mineral	The Mfrs. Light & Heat Co., 800 Union Tr. Bldg. Pittsburgh, Pa.	
Commenced	4-13-44	Coal at 717' 48";
Completed	4-29-44	817' 72"
Not shot		
Open flow	64/10ths W in 3"	
Volume	564,468 C.F.	
Rock Pressure	?	
Fresh Water	145'	

Red Rock	0	16	
Lime & Slate	16	35	
Red Rock	35	70	
Slate	70	200	
Red Rock	200	215	
Slate & Lime	215	265	
Red Rock	265	278	
Slate	278	374	Show of coal at 366
Lime & Slate	374	415	
Slate	415	480	
Sand	480	510	Show of coal at 520-524
Lime & Slate	510	590	Gas 520 to 523
Red Rock	590	597	
Lime & Slate	597	640	
Red Rock	640	650	
Slate	650	665	
Lime	665	708	
Slate	708	717	Show of gas 714
✓Mapletown Coal	717	721	Steel Line
Lime	721	755	
Slate	755	817	
✓Pittsburgh Coal	817	823	Show of gas 817
Lime & Slate	823	870	
Red Rock	870	880	
Slate	880	918	
Sand	918	957	Gas at 930 to 935
Red Rock	957	970	
Slate	970	1010	
Red Rock	1010	1050	
Lime & Slate	1050	1114	
Red Rock	1114	1160	
Lime	1160	1165	
Slate	1165	1200	
Red Rock	1200	1220	
Lime	1220	1245	
Slate	1245	1295	
✓Big Dunkard	1295	1322	Gas at 1305 to 1312
TOTAL DEPTH		1322	