

COAL OWNED BY _____

NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

COMPANY THE MANUFACTURERS LIGHT & HEAT CO.

ADDRESS 800 UNION TRUST BLDG. PGH. PA.

FARM JOHN & EMMA CROW

TRACT _____ ACRES 330 LEASE No. L-2900

WELL (FARM) No. 2 SERIAL No. L-4439

ELEVATION (SPIRIT LEVEL) 1202.54'

QUADRANGLE CAMERON NE

COUNTY MARSHALL DISTRICT WEBSTER

ENGINEER John A. London

ENGINEER'S REGISTRATION No. 12710

FILE No. _____ DRAWING No. Y-15-821

DATE JULY 9, 1958 SCALE 1"=800'

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

WELL LOCATION MAP

File No. MARS-330

+ 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 6

Quadrangle Cameron

WELL RECORD

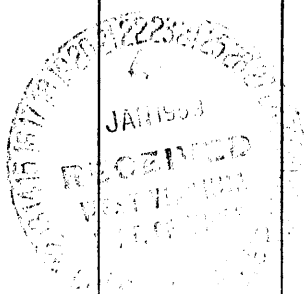
Permit No. MARS-330

Oil or Gas Well Gas
(KIND)

Storage

Company <u>The Manufacturers Light and Heat Company</u> Address <u>800 Union Trust Building, Pgh. 19, Penna.</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Farm <u>John and Emma Crow</u> Acres <u>330</u>	Size			
Location (waters) _____	16			Kind of Packer _____
Well No. <u>4439</u> Elev. <u>1202.54'</u>	13 "	<u>63'7"</u>	<u>63'7"</u>	
District <u>Webster</u> County <u>Marshall</u>	10 "	<u>686'11"</u>	<u>686'11"</u>	Size of _____
The surface of tract is owned in fee by _____ Address _____	8 1/4 "	<u>1273'6"</u>	<u>1273'6"</u>	Depth set _____
Mineral rights are owned by _____ Address _____	7 7/8 "	<u>1786'7"</u>	<u>1786'7"</u>	
Drilling commenced <u>October 14, 1958</u>	5 3/16			Perf. top _____
Drilling completed <u>December 18, 1958</u>	3			Perf. bottom _____
Date Shot _____ From _____ To _____	2			Perf. top _____
With _____	Liners Used			Perf. bottom _____
Open Flow _____ /10ths Water in _____ Inch				
_____ /10ths Merc. in _____ Inch				
Volume _____ Cu. Ft.				
Rock Pressure <u>700</u> lbs. <u>72</u> hrs.				
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet				
Salt water _____ feet				
	CASING CEMENTED	SIZE	No. Ft.	Date
	COAL WAS ENCOUNTERED AT	FEET	INCHES	
		FEET	INCHES	FEET
		FEET	INCHES	FEET

Formation	Color	THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sandstone		55	0	55	New Well Drilled for Storage on Budget		1852
Slate		5	55	60	Elevation - 1202.54' (Ground Level)		
Lime		5	60	65	Depth Datum - Derrick Floor - Same		
Slate		25	65	90	elevation as original ground level		
Sand		32	90	122			
Slate		8	122	130	Casing Pts. measured from derrick floor		
Red Rock		8	130	138			
Slate		37	138	175	13 3/8" (48#, H-40) Csg. Pt. -70'7" cemented		
Lime		35	175	210	with 60 bags 10/16/58		
Slate		150	210	360	10 3/4" (32.75#, H-40) Csg. Pt. -693'11" cemen		
Coal (Waynesburg)		3	360	363	ted with 250 bags 10/31/58		
Lime		5	363	368	8 5/8" (24#, J-55) Csg. Pt. -1280'6"		
Slate		15	368	383	cemented with 225 bags 11/10/58		
Lime		12	383	395	7" (20#, J-55) Csg. Pt. -1786'7" cemented		
Slate & Shells		38	395	433	with 190 bags 12/5/58		
Lime		100	433	533			
Slate		6	533	539			
Lime		31	539	570			
Shale		7	570	577			
Lime		44	577	621			
Slate		37	621	658			
Pittsburgh Coal		5	658	663			
Lime		7	663	670			
Sand		10	670	680			
Slate		12	680	692			
Lime		40	692	732			
Shale		23	732	755			
Lime		26	755	781			
Red Rock		34	781	815			
Lime		19	815	834			
Red Rock		14	834	848			
Lime		8	848	856			
Slate		44	856	900			
Lime		16	900	916			
Red Rock		27	916	943			
Slate		29	943	972			
Lime		20	972	992			
Slate		44	992	1036			



Formation	Color	Hard or Soft THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime		24	1036	1060			
Shale		12	1060	1072			
Lime		10	1072	1080			
Slate		5	1080	1085			
Lime		12	1085	1097			
Shale		58	1097	1155			
Lime		12	1155	1167			
Shale		10	1167	1177			
Lime		6	1177	1183			
Red Rock		6	1183	1189			
Sand		17	1189	1206			
Lime		18	1206	1224			
Shale		31	1224	1255			
Lime		10	1255	1265			
Slate		10	1265	1275			
✓Coal		2	1275	1277			
Sand		3	1277	1280			
Lime		13	1280	1293			
✓Sand (Gas Sand)		31	1293	1324			
Slate		9	1324	1333			
Sand		70	1333	1403			
Lime		17	1403	1420			
Shale		70	1420	1490			
✓Sand 2nd Salt		20	1490	1510			
Shale		24	1510	1534			
Lime		20	1534	1554			
Slate		39	1554	1593			
✓3rd. Salt Sand		152	1593	1745	Gas - 1612 - 1616' - 542,105 cu.ft./day		
Slate		23	1745	1763	Rock Pressure - 460 psi		
✓Big Injun			1768	1848	Cased and cemented off		
Total Depth			1848	1848	Gas - 1837 - 1842' - 1,403,520 cu.ft./day		
					1842- 1848' - 7,194,330 cu.ft./day		
					Rock pressure - 700 psi in 72 hrs.		

Date January 21, 1959

APPROVED THE MANUFACTURERS LIGHT AND HEAT CO. Owner

By Walter E. Brown
(Title) Land Agent