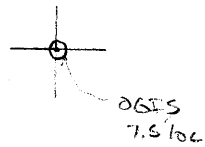


LATITUDE

39° 50'



80° 32' 30"

LONGITUDE

7.5 OGIS topo location

7.5' loc	<u>0.265</u>	15' loc	<u> </u>
	<u>1.11 W</u>	(calc.)	<u>3.31 W</u>

Company Manuf. Light + Heat Co.

Farm D.W. McConaughey

Quad Cameron 7.5' Cameron SE

County Marshall

District Cameron

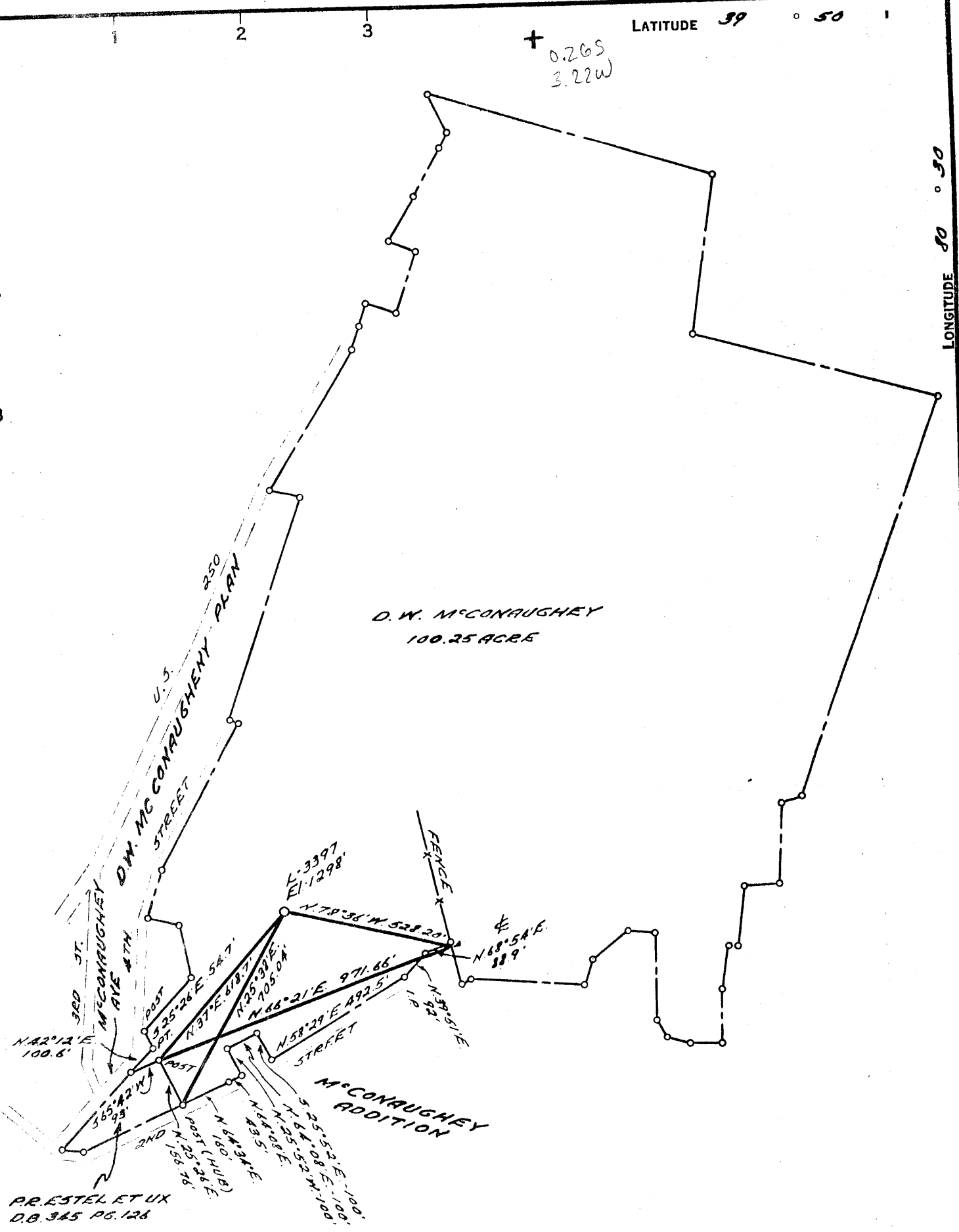
WELL LOCATION MAP

File No. 051-8

LATITUDE 39 ° 50 ' 1

+ 0.26S
3.22W

LONGITUDE 80 ° 30 '



COAL OWNED BY _____

- NEW LOCATION
- RECONDITION
- 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."
Minimum degree of accuracy is one part in 200'

Signed *Jack L. French 19534-E*

issued 3-9-70

COMPANY THE MANUFACTURERS LIGHT & HEAT CO.
 ADDRESS 800 UNION TR. BLDG., PSH. PA.
 FARM D.W. McCONAUGHEY
 MAP 0-25-24 ACRES 200 LEASE NO. 2841
 WELL (FARM) NO. A SERIAL NO. 3397
 ELEVATION (SPIRIT LEVEL) 1298'
 QUADRANGLE CAMERON 15' SE
 COUNTY MARSHALL DISTRICT CAMERON
 POINT OF PROVEN ELEVATION J-22
U565 B.M. CAMERON EI.-1060
 FILE NO. _____ DRAWING NO. Y-28-729
 DATE 11 FEB. 1970 SCALE 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP

FILE NO. 70 ars-8-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.



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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Cameron S.E.

WELL RECORD

Permit No. Mars-8-P

Oil or Gas Well Gas
(KIND)

Company The Manufacturers Light & Heat Company
Address 800 Union Trust Building, Pgh., Pa.
Farm D. W. McConaughy Acres 200
Location (waters) _____
Well No. L-3397 Elev. 1298
District Cameron County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 11-16-29
Drilling completed 1-15-30
Date Shot _____ From _____ To _____
With _____
Open Flow 10ths Water in _____ Inch
10ths Merc. in _____ Inch
Volume 215,000 Cu. Ft.
Rock Pressure 75 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
<u>xs Cond.</u>		<u>12</u>	Kind of Packer _____
<u>13</u>			<u>Anchor</u>
<u>10</u>		<u>308</u>	Size of <u>6 5/8 x 4"</u>
<u>8 1/4</u>		<u>1405</u>	
<u>6 5/8</u>		<u>2040</u>	Depth set <u>2703</u>
<u>5 3/16</u>			
<u>4 1/2</u>		<u>3116</u>	
<u>3</u>			Perf. top _____
<u>2</u>			Perf. bottom _____
Liners Used _____			Perf. top _____
			Perf. bottom _____

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT 642 FEET _____ INCHES
827 FEET _____ INCHES 936 FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water 642,936 Feet _____ Salt Water _____ Feet _____
Producing Sand Gordon Depth Pays @ 1698, 1950, 1980-90, 2881-8

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Waynesburg	Coal		600	642	Water - 1/2 bbl./hr.		
Mapletown	Coal		827	833	Sh. gas		
Pittsburgh	Coal		926	933	Water, 2 bbl./hr.		
Little Dunkard			1310	1350			
Big Dunkard			1405	1430			
Gas Sand			1545	1663			
1st Salt Sand			1663	1715	Gas @ 1698'	1708' 6/10"	W. in 2" 103 mcf
2nd Salt Sand			1880	1995	Gas @ 1950'	59', Oil @ 1980-90	
Maxton			2001	2037			
Big Lime			2037	2073			
Big Injun			2073	2335	Sh. gas @ 2115		
Gordon Stray			2878	2907	Gas @ 2881-86'	18/10" W. in 1" 45 mcf	
Gordon			2938	2981	Sh. gas @ 2941-43'	22/10" W. in 2" 198 mcf	
					Gas @ 2952-55		
Fourth			3020	3025			
Total Depth				3104			

RECEIVED
MAR 6 - 1970
OIL & GAS DIVISION
E. I. C. FILES

Mar - 8.

The Mfrs. Light & Heat Co. Company

COMPLETION DATA SHEET

Pittsburgh, Penna. Address

NO. 2

FORMATION RECORD

Well #3397 - D.W. McConaughy farm

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
luff Sand	White	Hard		600	642	42		
aynsbg. Coal	Black	Soft	water	642	647	5		
late	Gray	"		647	670	3		
apletown Coal	Black	"	Little Gas	827	833	6		
ime	White	Hard		833	905	72		
late	Brown	Soft		905	926	21		
gh. Coal	Black	"	water	926	933	7		
ime	White	Hard		933	955	22		
ittle Dunkard	"	"		1310	1350	40		
ig Dunkard	"	"		1405	1430	25		
as Sand	"	"		1545	1663	118		
irst Salt Sand	"	"	Gas at 1698	1663	1715	52		
nd. "	"	"	" " 1950	1880	1995	115		
axom Sand	"	"		2001	2037	36		
ig Lime	"	"		2037	2073	36		
ig Injun	"	"	Gas at 2115	2073	2335	262		
ordon Stray	"	"	" " 2881	2878	2709	29		
" Sand	"	"	" " 2941	2938	2981	43		
			" " 2952					
th. Sand	"	"		3020	3025	5		
							3104'	

Well was not shot at feet; well was shot at feet.

Fresh water at 642 and 926 feet; salt fresh water at feet.

Producing
Well was Gas hole.

THE MANUFACTURERS LIGHT & HEAT CO.

Jan. 15, 1930
Date

Approved Harry H. Fowler
Owner LAND AGENT

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

Mus-8-D

WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Section

PRELIMINARY DATA SHEET NO. 1

File No. _____ Well No. 3297

The Manufacturers Light & Heat Company, of 800 Union Trust Bldg.

Pittsburgh Pa. on the D. H. McConaughey Farm

containing 200 acres. Location _____

Cameron District, in Marshall County, West Virginia.

The surface of the above tract is owned in fee by D. H. McConaughey

of Cameron, W. Va. address, and the mineral rights are owned by

THE MANUFACTURERS LIGHT & HEAT CO. of Pittsburgh, Penna.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under

permit No. _____ issued by the West Virginia Department of Mines, Oil and Gas Section.

October 28th 1929
Elevation of surface at top of well, 1275' A. S. L. Spirit Barometric.

The number of feet of the different sized casings used in the well.

_____ feet _____ size. Wood conductor.

308 feet 10 Pulled size, csg. 14 15 1/2" feet 8 1/4 sized csg.

2064 3/2 feet 6 5/8 size, csg. 3116 7/2 feet 4 sized csg.

_____ feet _____ size, csg. _____ feet _____ sized csg.

_____ packer of 6 5/8" x 4" size, set at 2703 1/2

_____ packer of _____ size, set at _____

4 in Tubing perforated at 3082 1/2 feet to 3082 7/2 feet.

4 in Tubing perforated at 2949 2/2 feet to 2948 10/2 feet.

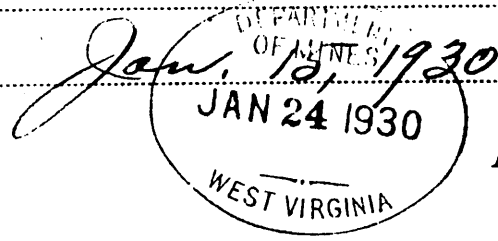
Coal was encountered at 642 feet; thickness 60 inches, and at 827

feet; thickness 72 inches; and at 926 feet; thickness 84 inches.

Liners were used as follows: (Give details) ~~1 foot casing set at 2077 ft.~~

~~and 1 set at 2957 ft.~~

No liners used



Approved THE MANUFACTURERS LIGHT & HEAT CO., Owner.

By Harry H. Fowler LAND AGENT

OK file
L-2713