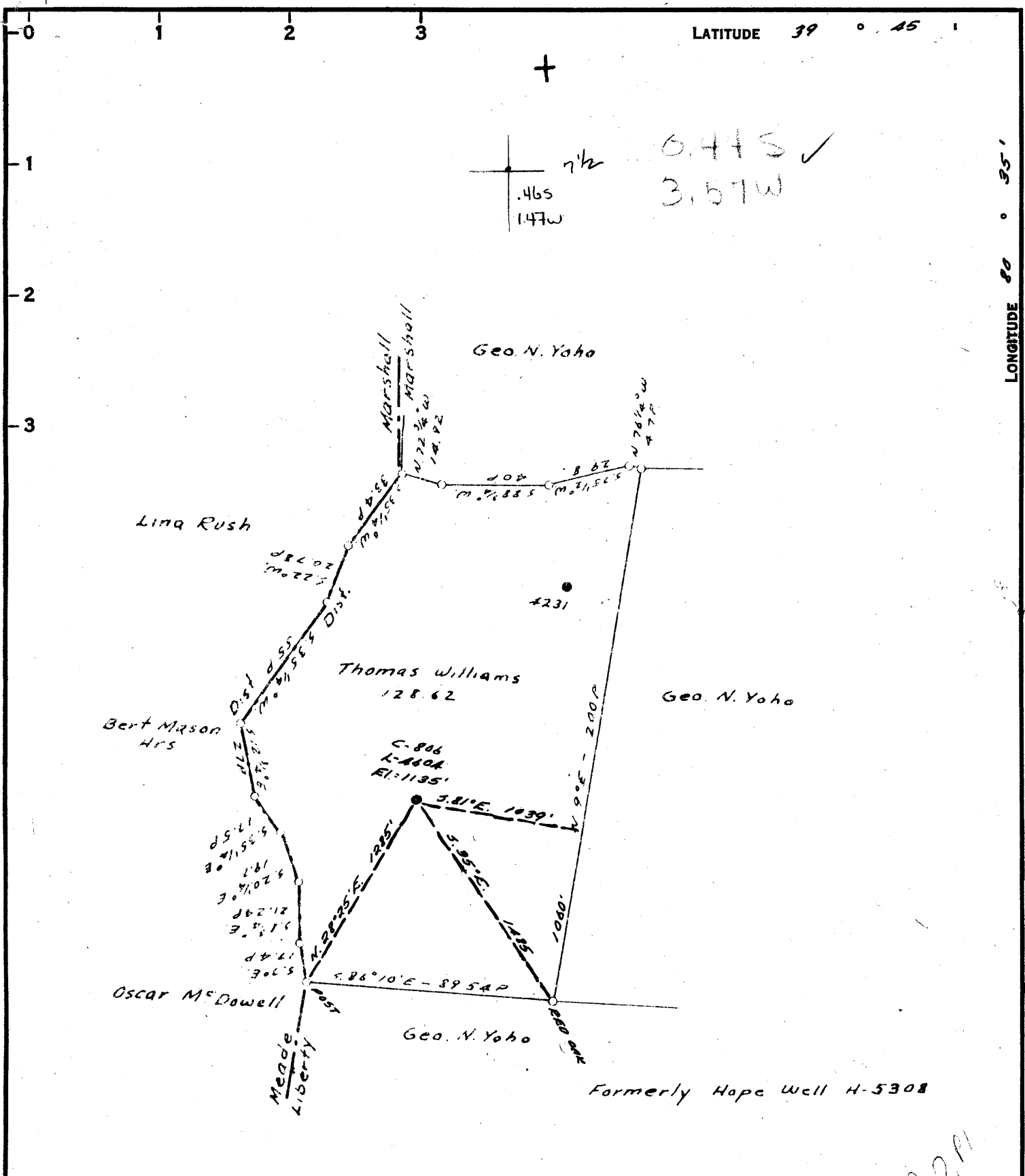


M



COAL OWNED BY _____
 REDRILL & RECONDITION _____

NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

COMPANY THE MANUFACTURERS LIGHT & HEAT

ADDRESS 800 UNION TRUST BLDG. PSH. PA.

FARM THOMAS WILLIAMS

TRACT _____ ACRES 128 LEASE No. 27446

WELL (FARM) No. 2 SERIAL No. 4604

ELEVATION (SPIRIT LEVEL) 1135'

QUADRANGLE LITTLETON NC

COUNTY MARSHALL DISTRICT LIBERTY

ENGINEER Thomas E. Virgin M

ENGINEER'S REGISTRATION No. 1503

FILE No. _____ DRAWING No. Y-25-278

DATE 8 FEB. 61 SCALE 1"=800'

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

WELL LOCATION MAP

FILE No. MARS-404-R

+ 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

Quadrangle Littleton

Permit No. MARS-404-R

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company The Mfrs. Light and Heat Company
Address 800 Union Trust Bldg., Pitts., 19, Pa.
Farm Thomas Williams Acres 128
Location (waters) _____
Well No. L-4604 Elev. 1135'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced April 3, 1961
Drilling completed June 5, 1961 (Maxton Sand)
Date Shot 6/7/61 From 1895' To 1947'
With Orifice Well Tester
Open Flow 30/10ths Water in 1 Inch
10ths Merc. in _____ Inch
Volume 42,630 Cu. Ft.
Rock Pressure 468 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
10			
13			
10 3/4"	552'	957'	Size of
8 5/8"	1191'	1369'	Depth set
7"	1872'	1872'	
5 3/16"			Perf. top
4 1/2"	2193'	2193'	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 912 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					
Pittsburgh Coal		7	912	919			
Big Dunkard Sand		100	1400	1500	1998		
Maxton Sand		52	1895	1947	1135		
Big Lime			1998		653		
Big Injun Sand			Not drilled through				
Total Depth				2000			
Set 4 1/2" Tubing				2193			
Perforate 4 1/2" Tubing			1895	1947	4 shots/foot		
New 10 3/4" casing was run on a steel shoe and set at 552' on top of 405' or original 10" casing, left in the hole.							
New 8 5/8" casing was run on a steel shoe and set at 1191' on top of 178' or original 8" casing, left in the hole. New 4 1/2" tubing was run on a steel shoe set at 2193', cemented back to 2000'. It was then perforated from 1895 to 1947'. 4 shots/foot.							

→ 404

Liberty District, Marshall County, W. Va.
 Hope Cons. & Ref. Co., 445 W. Main St., Clarksburg, W. Va.
 On 128 acres, surface owned by Thomas H. Williams Heirs,
 Cameron, W. Va., and mineral rights by Josiah V. Thompson,
 in trust, Uniontown, Pa.

Elevation, 1136' L.

10" casing, # 955'; 8 1/2", 1367'; 6-5/8", 1876'; 5-3/16", 2707';

2" tubing, 2942'.

Coal was encountered at 912-920'.

Abandonment reported to Dept. of Mines April 24, 1935.

Well was shot at 2862-2869' and 2915-2922'.

Salt water at 1725 and 1790-1832'.

	Top.	Bottom.
Pittsburgh Coal	912	- 920
Little Dunkard Sand	1260	- 1285
Big Dunkard Sand	1396	- 1420
Gas Sand	1450	@ 1500
First Salt Sand (water, 1725' and 1790-1832')	1555	- 1580
Second Salt Sand (gas, 1894-1898-1902, 1938-1942')	1865	- 2065
Maxton Sand	2065	- 2075
Big Lime	2075	- 2105
Big Injan Sand	2105	- 2300
50-Ft. Sand	2645	- 2675
30-Ft. Sand	2696	- 2701
Gordon Stray Sand (gas, 2862-2867')	2859	- 2882
Gordon Sand (oil, 2915-2917')	2912	- 2927
4th Sand	2974	- 2984
5th Sand	3030	- 3036
Original total depth		3064
Originally filled and plugged to present total depth		2942

Well No. 5308 Lease No. Name Thomas H. Williams District.....

District Liberty County Marshall State.....

Location Made..... First Work Done.....
 Rig Commenced..... Rig Completed.....
 Drilling Commenced..... Drilling Completed Dec. 12, 1918
 Rig Contractor..... { Drilling Contractor }
 Drillers..... { H. N. G. Co. Tools, String No. }
 Tool Dressers.....

FORMATION	Open or Close Hanging <u>TOP</u>	<u>BOTTOM</u>	Bottom	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal								
Pittsburgh Coal	<u>945</u>	<u>952</u>						
Little Dunkard	<u>1310</u>	<u>1470</u>						
Big Dunkard								
Gas Sand								
First Salt	<u>1840</u>	<u>1980</u>					<u>1937-40</u>	
Second Salt							<u>1960-64</u>	
Third Salt								
Maxon								
Little Lime								
Pencil Cave								
Big Lime								
Keener								
Big Injun								
Squaw								
Weir								
Berea								
Gantz								
Fifty Foot								
Thirty Foot								
Gordon Stray								
Gordon								
Fourth								
Fifth								
Total Depth		<u>1983</u>						

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use		Steel Line Measurement		If more than two strings of casing are left in hole, give reasons for leaving additional strings
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Csg.															
10" "															
8 1/4" "															
6 5/8" "															
5 3/16" "															
Tbg.															

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS

SHOOTING RECORD (If shot before or upon completion of well)

DATE	Quarts	Top of Shell	Bottom of Shell	Diameter	Sand	TEST BEFORE SHOT			TEST AFTER SHOT			Test Taken After Shot No. Hours	By Whom Shot
						Reading	Liquid	Opening	Reading	Liquid	Opening		

CEMENTING RECORD

Date Cemented..... Size Hole Cemented..... Size Casing Cemented.....
 Top Pittsburgh Coal..... Top Cementing..... Amount Cement Used.....
 Bottom Pittsburgh Coal..... Bottom Cementing..... Amount Sand Used.....
 Mr..... of..... Coal Company on ground when coal was cemented
 Remarks:..... Signature of persons who cemented well