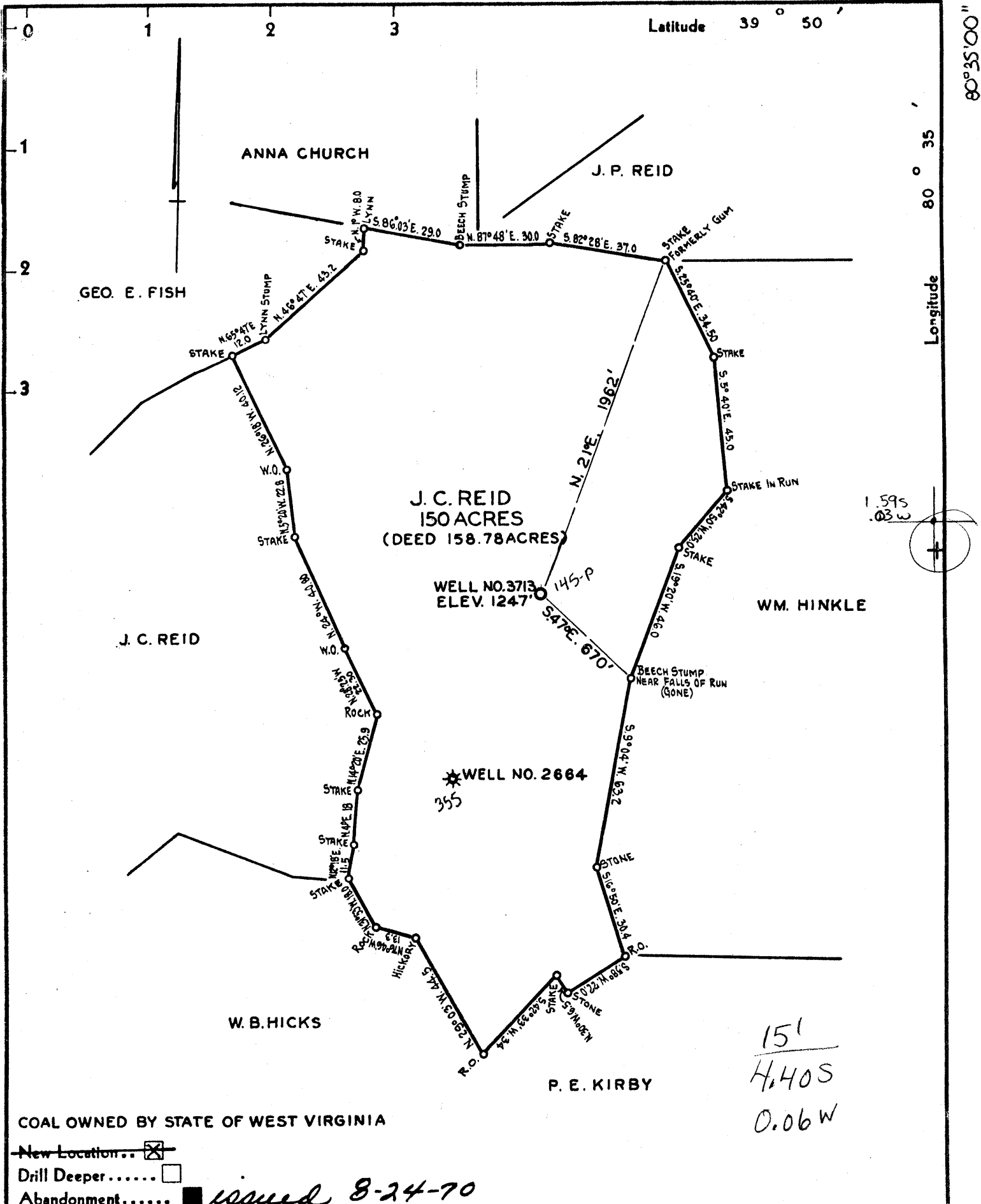


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COAL OWNED BY STATE OF WEST VIRGINIA

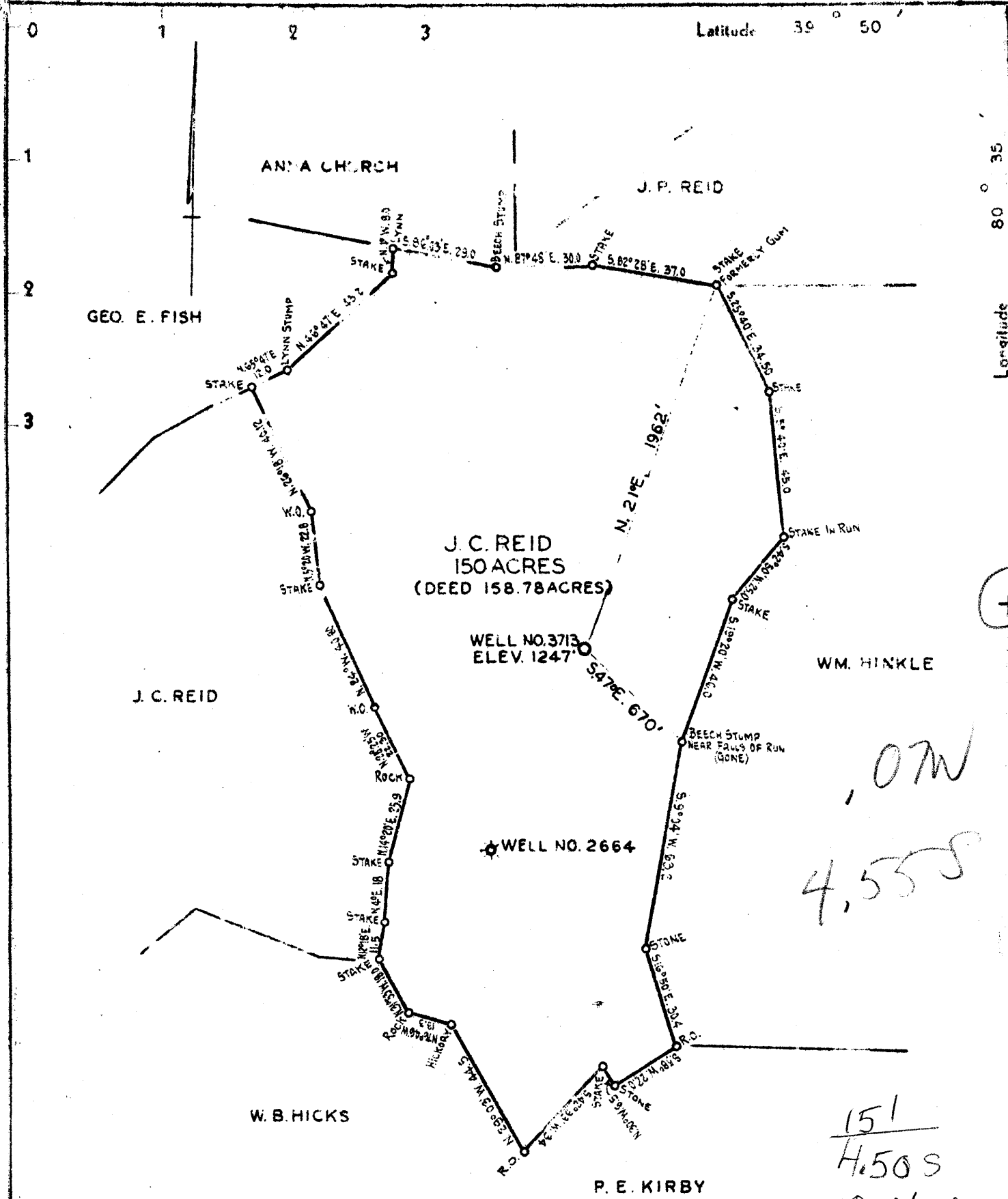
- New Location...
- Drill Deeper.....
- Abandonment.....  issued 8-24-70

Company THE MANUFACTURERS LIGHT & HEAT CO.  
 Address 800 UNION TRUST BLDG. PITTSBURGH PA.  
 Farm J.C. REID  
 Tract          Acres 150 Lease No. 5767  
 Well (Farm) No. 2 Serial No. 3713  
 Elevation (Spirit Level) 1247'  
 Quadrangle CAMERON S.E. SC  
 County MARSHALL District LIBERTY  
 Engineer A. J. Russell  
 Engineer's Registration No.           
 File No.          Drawing No. Y-10-948  
 Date SEPT. 13, 1943. Scale 1" = 40 RDS. = 660'

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

WELL LOCATION MAP  
 File No. MARS-145-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.



COAL OWNED BY STATE OF WEST VIRGINIA

New Location:    
 Drill Deeper:    
 Abandonment:

Company THE MANUFACTURERS LIGHT & HEAT CO.   
 Address 800 UNION TRUST BLDG. PITTSBURGH PA.   
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 Tract \_\_\_\_\_ Acres 150 Lease No. 5767   
 Well (Farm) No. 2 Serial No. 3713   
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 Quadrangle CAMERON S.E.   
 County MARSHALL District LIBERTY   
 Engineer W. J. ...   
 Engineer's Registration No. \_\_\_\_\_   
 File No \_\_\_\_\_ Drawing No. Y-10-948   
 Date SEPT. 13, 1943. Scale 1" = 40 RDS. = 660'

STATE OF WEST VIRGINIA   
 DEPARTMENT OF MINES   
 OIL AND GAS DIVISION   
 CHARLESTON   
 WELL LOCATION MAP   
 File No. MARS-145

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.

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
WELL RECORD

Permit No. Mars 145		Gas Well
Cameron S.E. Quad.		CASING & TUBING
Company	The Manufacturers Light & Heat Co.	
Address	800 Union Trust Bldg, Pittsburgh, Pa.	
Farm	J.C. Reid Acres 150	10 299' 7 Same
Location		8 1/2 1412' 11 "
Well No	2 - 3712 Elev. 1247'	6 5/8 2083 "
District	Liberty Marshall County	4 3144' 1 "
Surface	J.C. Reid, Cameron, W.Va.	
Mineral	The Mfrs. Light & Heat Co.	
	800 Union Trust Bldg., Pittsburgh, Pa.	
Commenced	1025-43	Anchor Packer
Completed	12-1-43	Size 6 5/8 x 4
Not shot		Depth 2831'
Open flow	34/10 W in 1" <i>61 MCF</i>	
Rock Pressure	65 lbs. 48 hrs.	Coal at 628' 12";
Fresh Water	628' 1/4 bbl. water per hr.	882' 48"; 920' 60"
	925 1/4 bbl. water per hr.	
Salt Water	1025-1 1/2 bbls. water per hr.	
	1045'	

Clay	0	30	Slate & Lime		1985	2005
Red Rock	30	100	Sand		2005	2028
Slate	100	150	Pencil Cave		2028	2038
Red Rock	150	200	Big Lime		2038	2095
Slate	200	280	Big Injun Sand	)	2095	2155
Slate & Lime	280	396	Slate		2155	2195
Red Rock	396	405	Big Injun Sand		2195	2335
Lime & Slate	405	448	Slate		2335	2455
Slate	448	510	Lime		2455	2525
Lime & Slate	510	590	Slate		2525	<del>2555</del>
Sand	590	615	Lime		2588	2595
Slate	615	628	Slate		2595	2645
✓Waynesburg Coal	628	629	Lime & Slate		2645	2712
Slate	629	645	Slate & Shells		2712	2784
Lime	645	750	Red Rock		2784	2839
Red Rock	750	760	Slate & Shells		2839	2936
Slate & Lime	760	822	Gordon Sand		2936	2960
✓Mapletown Coal	822	826	Slate		2960	2998
Slate & Lime	826	920	<del>Red</del> Sand		2998	3010
✓Pitts. Coal	920	925	Slate		3010	3120
Lime & Slate	925	965	TOTAL DEPTH			3120
Red Rock	965	980				
Slate	980	1025	Show gas 822-826			
Sand	1025	1050	Caved some 1945-1965			
Slate	1050	1075	Steel line at 2050			
Red Rock	1075	1080	Good place to set packer 2824-2838			
Slate	1080	1120	Gas 2938-2946			
Red Rock	1120	1135	show gas 3002			
Slate & Lime	1135	1228				
Red Rock	1228	1245				
Slate & Lime	1245	1290				
Red Rock	1290	1300				
Slate	1300	1307				
Red Rock	1307	1315				
✓Little Dunkard	1315	1330				
Lime	1330	1360				
Slate	1360	1405				
✓2nd Dunkard Sand	1405	1445				
Slate	1445	1460				
Sand	1460	1510				
Slate & Lime	1510	1640				
Slate	1640	1695				
✓Sand <i>1st salt?</i>	1695	1710				
Slate & Shells	1710	1812				
✓2nd Salt Sand	1812	1860	Show of gas at 1815			
Slate	1860	1890				
✓Lime & Third Salt Sand	1890	1945				
Slate	1945	1965	Caved some 1945 -1965			
✓Maxon Sand	1965	1985				

2038  
 110  


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 2148  
 1247  


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 901

2038  
 1247  


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 791