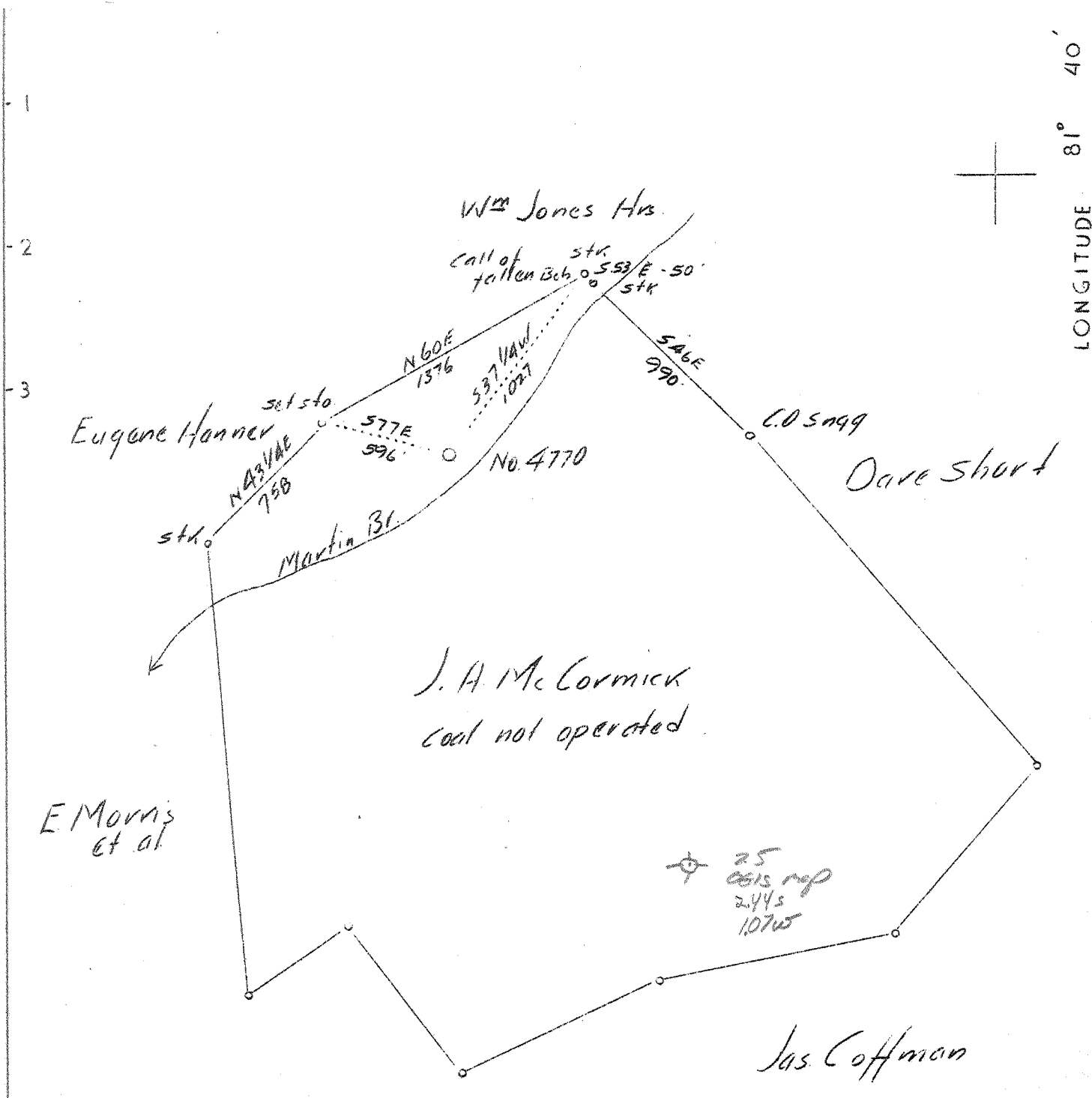


P

LATITUDE 38° 30'

LONGITUDE 81° 40'



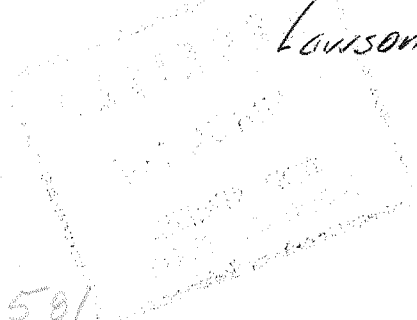
E Morris et al

J. A. McCormick  
coal not operated

Jas Coffman

Lawson Peigh

0.7 W  
1.67 Q



P. 581

3 NE (J-5)

Company	United Fuel Gas Co.	
Address	Charleston, W. Va.	
Farm	J.A. McCormick et al	
Tract	Acres 197	Lease No. 41189
Well (Farm) No.	1	Serial No. 4770
Elevation (Spirit Level)	670.15'	
Quadrangle	Charleston	NW
County	Kanawha	District Union
Engineer	G.A. Cunningham	
Engineer's Registration No.	659	
File No.	58-67	Drawing No.
Date	Aug. 18, 1937	Scale 1"=660'

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 File No. KAN-452

+ 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.

6-6-1937

Deep Well

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

Permit No. Kan-452

Gas Well

Charleston Quad.

CASING & TUBING

Company	United Fuel Gas Co. Liosag Fuel Co.	13	18	18
Address	Charleston, W.Va.	10	376	376
Farm	J.A. McCormick et al	Acres 1/2-197	3 1/2	1699
Location	Martin Branch	5 3/16	4640	4640
Well No.	4770	Elev. 670.15		
District	Union	County Kanawha		
Surface	J.A. McCormick, Agt., Charleston, W.Va.			
Drilling	Commenced	Sept. 5, 1937		
	Completed	Feb. 5, 1938		
Date Shot	2-8-38	Depth 4730		
Volume	3,164,000 Cu. Ft.			
Rock Press.	1350#	44 hrs.		

Formation Color		Top	Base	Result	Formation Color		Top	Base	Result
Sandy Loam		10	10						
Sand		10	20						
Red Rock		20	25						
Rock	White	25	138						
Red Rock		138	150						
Slate		150	405						
Lime Shell		405	440						
Sand		440	535						
Slate & Shell		535	880						
Salt Sand		880	1140	Gas-Water					
Slate Shells		1140	1320	995'					
Maxon Sand		1320	1342						
Slate Mud		1342	1360	Water					
Slate Shells		1360	1388	1020					
Maxon Sand		1388	1475						
Little Lime		1475	1500						
Big Lime		1500	1620						
Slate		1620	1634						
Sand		1634	1700	Gas					
Slate		1700							
Lime	Black	1691	1715						
Black Slate & Shell		1715	1890						
Sandy Slate		1890	1900						
Slate		1900	1950						
Shale	Brown	1950	1953						
Lime Shells		1955	1980	No Barren					
Slate & Shell		1980	3340						
Shale	Brown	3340	3410						
Slate		3410	3650						
Shale		3650	3660						
Slate & Shell		3660	3710						
Shale	Brown	3710	3900						
Slate		3900	4345						
Shale	Brown	4345	4627	Gas					
Corniferous Lime		4632	4730						
Criskany Sand		4730	4760	Gas					
Lime	Black	4760	4767	4738-					
Sand		4767	4785	4741					
Lime-Gritty		4785	4818						
TOTAL DEPTH			4818	Gas					
				4743					
				Gas					
				4743-4746					
				Gas Test					
				4785					