

COAL OWNED BY _____
 RECONDITION FRACTURE 8-29-69
 NEW LOCATION
 DRILL DEEPER
 ABANDONMENT

0-25-28

COMPANY THE MANUFACTURERS LIGHT & HEAT
 ADDRESS 800 UNION TRUST BLDG. PGM. PA.
 FARM FRANK HOPKINS (RINE)
 TRACT _____ ACRES 131 LEASE No. 2283
 WELL (FARM) No. 1 SERIAL No. 2098
 ELEVATION (SPIRIT LEVEL) 1267.44'
 QUADRANGLE CAMERON 5C
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Robert McNeill (G.E.A.)
 ENGINEER'S REGISTRATION No. 361-E
 FILE No. _____ DRAWING No. Y-25-26
 DATE Sept. 1959 SCALE 1" = 500'

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

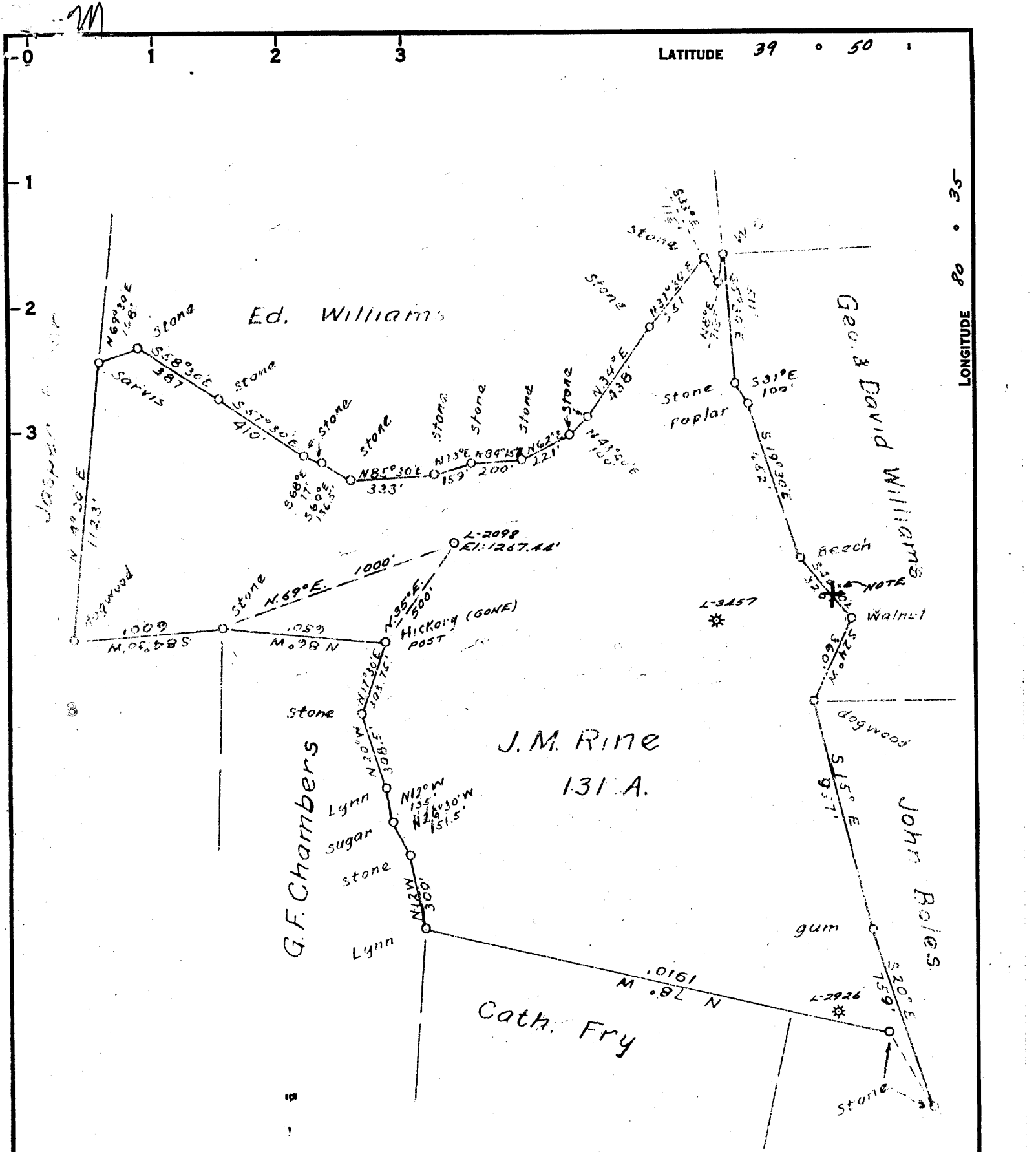
WELL LOCATION MAP

FILE No. MARS-365R-FRAC.

+ 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.

NO. 156 IMPERIAL A. & B. SMITH CO., PGH., PA. Kausoath (25)
UWO 6-6 Cameron (24)



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 RECONDITION

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DRILL DEEPER.....

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0-25-28

COMPANY THE MANUFACTURERS LIGHT & HEAT

ADDRESS 800 UNION TRUST BLDG. PGH. PA.

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QUADRANGLE CAMERON - SC

COUNTY MARSHALL DISTRICT LIBERTY

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COLUMBIA GAS TRANSMISSION CORPORATION

800 UNION TRUST BUILDING



PITTSBURGH, PENNSYLVANIA

MAIL ADDRESS: POST OFFICE BOX 1196
PITTSBURGH, PENNSYLVANIA 15230

September 23, 1971

RECEIVED

SEP 27 1971

Mr. Robert L. Dodd, Deputy Director
Oil and Gas Division
West Virginia Department of Mines
2000 Quarrier Street
Charleston, West Virginia 25311

OIL & GAS DIVISION
DEPT. OF MINES

Dear Mr. Dodd:

FRACTURE RECORD

Well Name and No.: Frank Hopkins (J. M. Rine) - Well No. 2098

District: Liberty

County: Marshall

Permit No. MARS-365-R-FRAC

Completion Date: 10-22-69

Formation fractured: Top - 2,074' Material - Sand: 25,000 # 20/40
Bottom - 2,330' Fluid: Water

Big Injun

Rock Pressure:

Before fracture - 810 psig

After fracture - 810 psig

2130?

Test after Fracture:

Oil -

Gas - 9,120 Mcf

9,120,000

Due to merger and consolidation, ownership of the above-referred well is now vested in Columbia Gas Transmission Corporation, as successor to The Manufacturers Light and Heat Company.

Very truly yours,

COLUMBIA GAS TRANSMISSION CORPORATION

Walter A. Perrin

Manager

Land, Leasing and Right of Way

smn

OCT 5 1971



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle CAMERON

WELL RECORD

Permit No. MARS-365-R

Oil or Gas Well XXX Storage
(KIND)

Company <u>The Manufacturers Light and Heat Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>800 Union Trust Bldg., Pittsburgh 19, Pa.</u>	Size			
Farm <u>Frank Hopkins</u> Acres <u>131</u>	10 <u>3/4"</u>	<u>199'</u>	<u>312'</u>	Kind of Packer
Location (waters)	13			
Well No. <u>L-2098</u> Elev. <u>1267.44'</u>	10 <u>3/4"</u>	<u>199'</u>	<u>312'</u>	Size of
District <u>Liberty</u> County <u>Marshall</u>	8 1/2 <u>5/8"</u>	<u>1005'</u>	<u>1214'</u>	Depth set
The surface of tract is owned in fee by	6 3/8 <u>7"</u>	<u>2008'</u>	<u>2008'</u>	
Address	5 3/16			
Mineral rights are owned by	4 <u>4 1/2"</u>	<u>2198'</u>	<u>2198'</u>	Perf. top
Address	2			Perf. bottom
Drilling commenced <u>September 17, 1959</u>	Liners Used			Perf. top
Drilling completed <u>August 9, 1960</u>				Perf. bottom
Date Shot <u>8/25/60</u> From <u>2167'</u> To <u>2185'</u>				
With <u>Pitot Tube</u>				

Open Flow /10ths Water in 4 Inch

50 /10ths Merc. in 4 Inch

Volume 4,317,300 - 30 min. Cu. Ft.

Rock Pressure 785 lbs. 16 days 1/16

Oil bbls., 1st 24 hrs.

Fresh water feet feet

Salt water feet feet

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT <u>940</u> FEET <u>INCHES</u>			
	FEET	INCHES	FEET
	FEET	INCHES	FEET

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
		THICKNESS					
Pittsburgh Coal		8	940	948			
Big Dunkard Sand		33	1462	1495			
Maxton Sand		11	1975	1986			
Lower Maxton Sand		9	2007	2016			
Big Lime			2021				
Big Injun Sand				<u>2198</u> T.D.	Not Drilled Through		
Plug Back to Perforate 4-1/2"				2192			
Total Depth			2167	2185	Gas 2167 to 2185 Open Flow		
				2192	50/10 Mercury in 4"		
Set 7" Casing				2008			
Set 4-1/2" Tubing				2198			

2021
1287
-754

