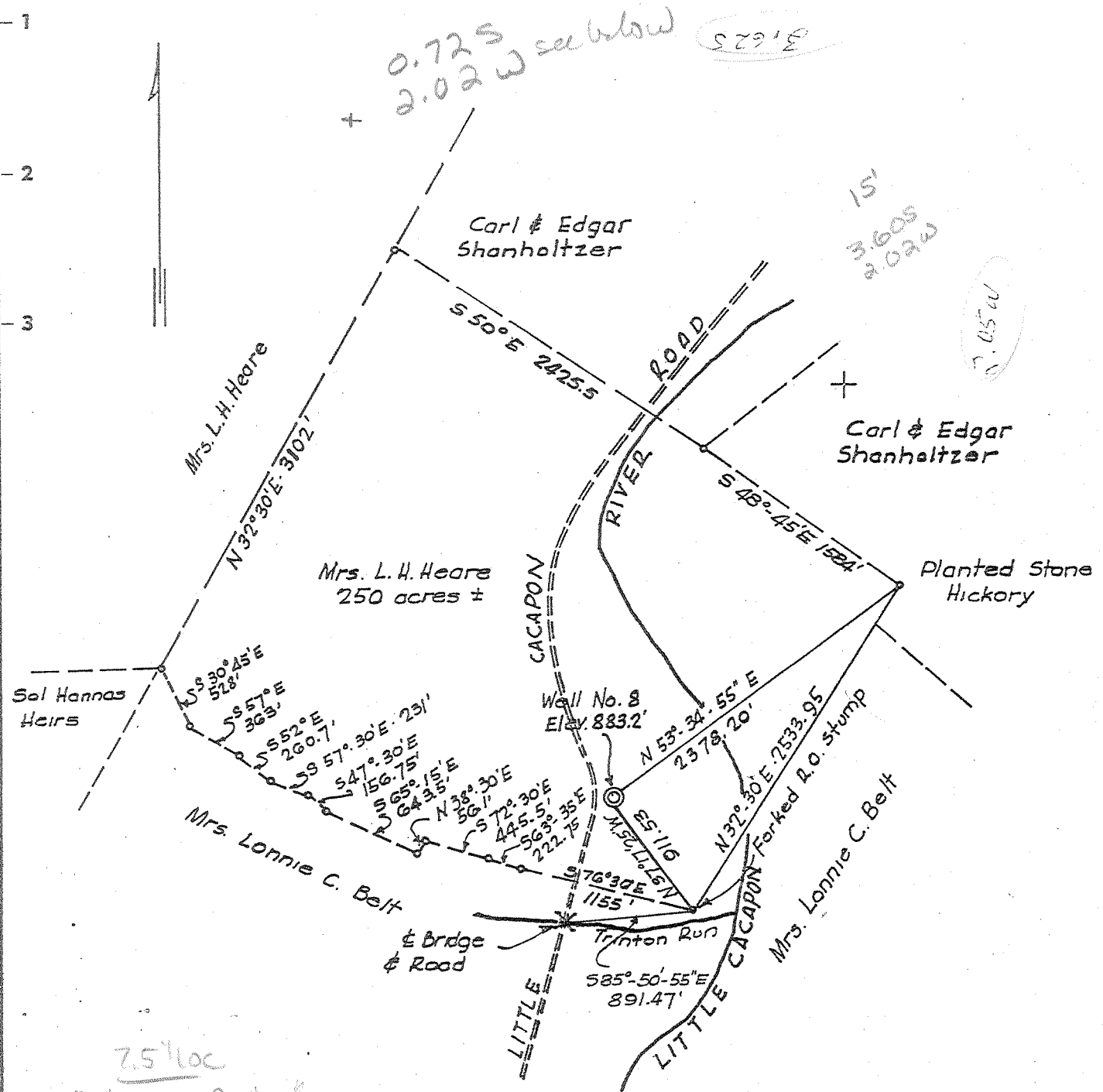


Latitude 39 25  
39 22 30

Longitude 78 35



7.5' loc  
0.625 39° 22' 30"  
1.97 W 78° 35'  
alc 15' loc  
350S  
1.97W

~~3.50 S~~  
~~2.01 W~~

BM-USGS 815  
Latitude: 39° 23' 30"  
Longitude: 78° 36' 00"  
Hanging Rock Quadrangle

- New Location .
- Drill Deeper . . . . .
- Redrill . . . . .
- 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."

5-C (F-17)

Company	Hampshire Gas Co.
Address	1100 H St., Washington, D.C.
Farm	Mrs. L. H. Heare
Tract	Acres 250 ± Lease No. 189
Well (Farm) No.	8 Serial No.
Elevation (Spirit Level)	883.2
Quadrangle	Hanging Rock - C d 7.5
County	Hampshire District Gore
Engineer	John J. Coleman
Engineer's Registration No.	4231
File No.	Drawing No. 64-31-B
Date	G-1-64 Scale 1" = 1000'

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

**WELL LOCATION MAP**

FILE NO. HAMP-14  
plugged 09/10/1964

+ 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.

ALLEN BLUEPRINT & SUPPLY CO.  
Samples 100-5930 (31-K) 100 Deep Well



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 13

Rotary [X] Spudder [ ] Cable Tools [ ] Storage [ ]

Quadrangle Hanging Rock

WELL RECORD

Oil or Gas Well Dry Hole (KIND)

Permit No. Hamp - 14

Company Hampshire Gas Company Address 1100 H St., N. W., Washington, D.C. 20005 Farm Mrs. L. H. Heare Acres 250' Location (waters) Well No. 8 Elev. 883.2' District Gore County Hampshire The surface of tract is owned in fee by Mrs. L. H. Heare Rt. 1, Box 21, Three Churches, West Virginia Address Mineral rights are owned by Mrs. L. H. Heare Rt. 1, Box 21, Three Churches, West Virginia Address Drilling commenced June 20, 1964 Drilling completed September 10, 1964 Date Shot From To With

Table with columns: Casing and Tubing, Used in Drilling, Left in Well, Packers. Rows include sizes like 13-3/8, 9-5/8 and packer details.

Open Flow /10ths Water in Inch Dry Hole /10ths Merc. in Inch Volume Dry Hole Cu. Ft. Rock Pressure lbs. hrs. Oil bbls. 1st 24 hrs. WELL ACIDIZED No WELL FRACTURED No

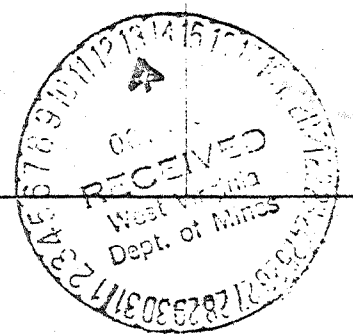
CASING CEMENTED 13-3/8" SIZE 51' No. Ft. 6/22/64 Date 9-5/8" - 1305' - 7/11/64 COAL WAS ENCOUNTERED AT None FEET INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT Fresh Water Yes Feet 44', 61', 155', 330', 1280' Salt Water No Feet

Main well log table with columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Lists geological layers like Top Soil and Clay, Sandstone, Shale, etc.

(over)



0055 - 0077  
 0077 - 0088  
 0088 - 0099  
 0099 - 0011

Formation	Color	Hard or Soft	Top 13	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sandstone w/Shale			795	930			
Shale			930	1,185			
Sandstone			1,185	1,298	Water	1,280'	
Sandy Shale			1,298	1,450			
Shale			1,450	1,715			
Siltstone w/Sand			1,715	1,740			
Shale			1,740	1,865			
Sandy Shale			1,865	2,025			
Shale			2,025	2,100			
Sandstone			2,100	2,135			
Shale			2,135	2,165			
Sandy, Limey Shale			2,165	2,190			
Shale			2,190	2,362			
Sandstone			2,362	2,375			
Shale			2,375	2,455			
Shaly - Sandstone			2,455	2,545			
Shale			2,545	2,655			
Siltstone w/ Shale Strks			2,655	3,200			
Shale			3,200	3,410			
Siltstone			3,410	3,770			
Silty Shale			3,770	3,945			
Shale			3,945	4,073			
Siltstone			4,073	4,080			
Shale			4,080	4,155			
Siltstone			4,155	4,160			
Shale			4,160	4,250			
Limey Shale			4,250	4,930			Onondaga - Needmore 4905
Shaly Lime			4,930	4,950			
Lime & Shale			4,950	5,230			
Limey Shale			5,230	5,315			
Lime			5,315	5,325			
Limey Shale			5,325	5,690	Show of Gas	5,511'	Onondaga - Needmore 5525
Oriskany Sandstone			5,690	5,740			5690
Shale			5,740	5,750			5525
Sandstone			5,750	5,930			165
			(475)	4905	5315	5690	5740
				883	883	883	883
				4022	4432	4807	4857
						5525	
						883	
						4642	

Date October 9, 1964  
 APPROVED Manassah Gas Co., Owner  
 By A. J. Ketchum Production Engineer  
 (T.P.)