



- Fracture....
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation R.R.D. WELL, UP-1062 ELV. 1242'

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.

Minimum accuracy, one part in 200

Company ALLERTON MILLER

Address PITTSBURGH, PA. 15219

Farm S. B. NUZUM

Tract _____ Acres 95.3 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 1270

Quadrangle PHILIPPI SW1/4 WC

County UPSHUR District WARREN

Engineer James G. Tilton

Engineer's Registration No. 2886

File No. 216/64 Drawing No. _____

Date 11-11-69 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. UPS-1260

+ 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.

RDME

11-42



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

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well **Gas** (KIND)

Quadrangle Philippi SW
Permit No. UPS-1260

WELL RECORD

Company <u>Allerton Miller</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>3309 Grant Building, Pittsburgh, Pa., 15219</u>	Size			Kind of Packer
Farm <u>S. B. Nuzum</u> Acres <u>95.3</u>	16			
Location (waters) <u>Charity Fork</u>	13	25'	25'	
Well No. <u>(1) M-393</u> Elev. <u>1270'</u>	10			Size of
District <u>Warren</u> County <u>Upshur</u>	8 1/8"	792'	792'	Depth set
The surface of tract is owned in fee by <u>Bethlehem Steel Corp.</u>	6 3/4			
<u>Barricksville,</u> Address <u>West Virginia</u>	5 3/16	4480'	4480'	Perf. top <u>4385'</u>
Mineral rights are owned by <u>S. B. Nuzum & Mertie Nuzum</u>	3			Perf. bottom <u>4391'</u>
& <u>Audra White</u> Address <u>Rt. 3, Buckhannon, W. Va.</u>	2			Perf. top <u>4397'</u>
Drilling commenced <u>December 27, 1969</u>	Liners Used			Perf. bottom <u>4398'</u>
Drilling completed <u>January 4, 1970</u>				
Date Shot From To				
With				
Open Flow /10ths Water in Inch	Attach copy of cementing record.			
/10ths Merc. in Inch	CASING CEMENTED <u>4 1/2"</u> SIZE <u>700</u> No. Ft. <u>1/6/70</u> Date			
Volume <u>60,000</u> Cu. Ft.	Amount of cement used (bags) <u>140</u>			
Rock Pressure lbs. hrs.	Name of Service Co. <u>Halliburton Service</u>			
Oil bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>None</u> FEET INCHES			
WELL ACIDIZED (DETAILS)	FEET INCHES FEET INCHES			
WELL FRACTURED (DETAILS) <u>3/14/70 - Dowell - 37,500 Gal. Waterfrac</u>	FEET INCHES FEET INCHES			
<u>50,000 Lbs. Sand</u>				
RESULT AFTER TREATMENT (Initial open Flow or bbls.) <u>2,000,000</u>	<u>2,000 MCFGPD</u>			
ROCK PRESSURE AFTER TREATMENT <u>1800 #</u>	HOURS <u>46</u>			
Fresh Water <u>123'</u> Feet	Salt Water <u>1934'</u> Feet			
Producing Sand <u>Benson</u> Depth				

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	33			
Shale			33	40			
Sand			40	99			
Red Rock & Shale			99	115			
Sand			115	133	Water @	123'	
Sand, Red Rock & Shale			133	165			
Sand & Shale			165	1540			
Red Rock & Shale			1540	1610			
Sand			1610	1640			
Big Lime			1640	1715			
Injun Sand			1715	1799			
Sand & Shale			1799	4052	Water @	1934'	
Riley Streaks			4052	4105			
Shale			4105	4372			
Benson Sand			4372	4400			
Sand & Shale			4400	4518	Total Depth		

RECEIVED
MAR 26 1970
OIL & GAS DIVISION
DEPT. OF MINES