

MINIMUM ERROR OF CLOSURE 1/500
 SOURCE OF ELEVATION Well No 1, this farm - Elev 903

New Location X
 Drill Deeper
 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."

Company Hardman Drilling Co., Don Hardman, Agt.
 Address 4001 Jefferson St, Parkersburg, W. Va.
 Farm Lura M. Ables
 Tract. 1 Acres 44 Lease No. _____
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 879
 Quadrangle Vadis - NW
 County Doddridge District New Milton
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date Nov. 12, 1963 Scale 1" = 20 P.

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

WELL LOCATION MAP
 FILE NO. DOD-1160

-- 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 10

Rotary
Spudder
Cable Tools
Storage

Quadrangle Holbrook
Permit No. DOD-1160

WELL RECORD

Oil or Gas Well Oil & Gas
(KIND)

Company Hardman Drilling Co.
Address 4001 Jefferson St., Parkersburg, W. Va.
Farm Lura Ables Acres 44
Location (waters) Meathouse Fork
Well No. 3 Elev. 879
District New Milton County Doddridge
The surface of tract is owned in fee by Lura Ables
Address New Milton, W. Va.
Mineral rights are owned by Smaud Davis & Flora T. Davis
Address New York

Drilling commenced July 31, 1964
Drilling completed August 5, September 5, 1964
Date Shot _____ From _____ To _____
With _____

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch

Volume 105 MFC Cu. Ft.
Rock Pressure 200 lbs. 24 hrs.
Oil 30 Bbls bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED September 18, 1964

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13	15	15	
10			Size of _____
8 1/2	519		
6 3/4	1000		Depth set _____
5 1/2 4 1/2	2011	2011	
3			Perf. top <u>1946</u>
2		2011	Perf. bottom <u>1978</u>
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED SIZE 4 1/2 No. Ft. 2011 Date

9-5-64 60 S/KS Cem'x 4 Ce 1

COAL WAS ENCOUNTERED AT 495 FEET 12 INCHES

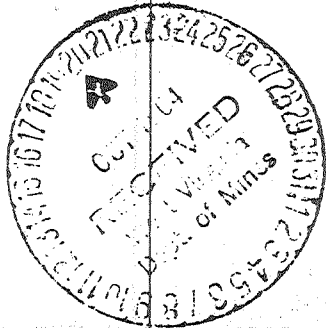
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT Above

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water None Shown Feet _____ Salt Water None Shown Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	5			
Yellow Clay			5	15			
Red Rock			15	25			
Slate			25	115			
Red Rock			115	130			
Slate & Shells			130	150			
Red Rock			150	165			
Slate & Shells			165	225			
Red Rock			225	235			
Slate & Shells			235	290			
Red Rock			290	310			
Slate & Shells			310	495			
Coal			495	496			
Slate & Shells			496	590			
Sand			590	600			
Red Rock			600	620			
Slate & Shells			620	725			
Red Rock			725	735			
Slate & Shells			735	825			
Sand			825	855			
Slate & Shells			855	950			
Black Slate			950	1020			
Sand			1020	1040			
Slate & Shells			1040	1120			
Black Lime			1120	1160			
Slate & Shells			1160	1240			
Sand			1240	1280			
Slate & Shells			1280	1310			



Formation	Color	Hard or Soft	Top / 0	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1310	1370			
Black Slate			1370	1395			
Lime			1395	1405			
Sand			1405	1455			
Slate & Shells			1455	1755			
Little Lime			1755	1765			
Sand			1765	1780	Show Oil & Gas	1770	
Slate & Shells			1780	1795			
B.M. Sand			1795	1825			
Big Lime			1825	1871			
Sand			1871	1960	Show Oil & Gas	1888-1895	
Slate			1960	2011			

Date October 20, 1964

APPROVED Hardman Drilling Co., Owner

By How W. Hardman, Agent
(Title)