





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 4

Quadrangle Vadis

Permit No. DOD-388

**WELL RECORD**

Oil or Gas Well Oil & Gas  
(KIND)

Company Hardman Drilling Co.  
Address Smithville, W. Va.  
Farm Blonda Groah Acres 40  
Location (waters) Meathouse Fork  
Well No. 1 Elev. 8631  
District New Milton County Doddridge  
The surface of tract is owned in fee by Blonda Groah  
Address Blandvill, W. Va.  
Mineral rights are owned by Blonda Groah  
Address Blandville, W. Va.  
Drilling commenced September 29, 1960  
Drilling completed November 14, 1960  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume None Cu. Ft.  
Rock Pressure None lbs. hrs.  
Oil Show bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	205		Size of
8 3/4	1051		
6 3/4			Depth set
<del>5 1/2</del> 5 1/2"		2071	
3			Perf. top
2		2023	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 5 1/2 SIZE 2071 No. Ft. 11/14/60 Date  
55 sks. Cement - 15 sks. Baroid - 5 sks. Aquagel  
Lawson Cementing Company  
COAL WAS ENCOUNTERED AT None FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL FRACTURED in Injun and Keener Sand

RESULT AFTER TREATMENT 30 Bbl. flow though 5" and 103M Gas

ROCK PRESSURE AFTER TREATMENT 200 Lbs in 2 1/2 Hrs.

Fresh Water 100 Feet Salt Water 1820 Feet Maxin

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	60			
Lime			60	85			
Sand			85	130	Water	100 Ft	Hold filled up
Lime			130	200			
Slate & Shells			200	250			
Gritty Lime			250	265			
Red Rock & Lime Shells			265	320			
Lime			320	400			
Lime - Broken			400	465			
Slate & Shells			465	520			
Sand			520	555			
Lime			555	610			
Red Rock			610	660			
Sand			660	685			
Slate & Shells			685	690			
Red Rock			690	750			
Slate & Shells			750	820			
Red Rock			820	840			
Sand			840	870			
Slate & Shells			870	950			
Sand			950	980			
Slate & Shells			980	1015			
Sand			1015	1045			
Slate			1045	1220			
Sand			1220	1260	Smell Oil	1230	
Lime			1260	1325			
Sand			1325	1365			
Slate & Shells			1365	1430			
Sand			1430	1520			

Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			1520	1585			
Sand			1585	1620			
Slate & Shells			1620	1750	Show Oil	1710	
Gritty Lime			1750	1760			
Sand			1760	1790	Show Oil	1770	
Lime			1790	1807	Show Gas	1774	
Sand - Maxon			1807	1850	Water	1820	
Big Lime			1850	1895	Show Oil	1885	5-8" Bailors in 48 Hrs.
Sand			1895	1905			
Lime			1905	1918			
Sand			1918	1926	Show Oil	1920	
Lime			1926	1943			
Sand			1943	1985	Show Oil		
Slate & Shells			1985	2057			

Date January 14, 19 61

APPROVED Don W. Hardman, Partner, Owner

By Hardman Drilling Co.

(Title)