



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 1

Quadrangle Vadis

Permit No. DOD-719

WELL RECORD

Oil or Gas Well Oil & Gas

Company Hardman Drilling Co.
Address 4001 Jefferson St., Parkersburg, W. Va.
Farm Blonda Groah Acres 40
Location (waters) Meatehous Fork
Well No. 3 Elev. 885
District New Milton County Doddridge
The surface of tract is owned in fee by Blonda Groah
Address New Milton, W. Va.
Mineral rights are owned by Same
Address _____
Drilling commenced 2-12-62
Drilling completed 3-9-62
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			
10	252		Size of _____
8 1/4	905		
8 1/4 5 1/2	2041		Depth set _____
8 1/4 5 1/2	1382		
3			Perf. top _____
2	2071		Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED SIZE 5 1/2" No. Ft. 2041 Date 4-17-62
38 sks Cement 5 Sks Aquagel
 by Lawson Oil & Gas Wells
 COAL WAS ENCOUNTERED AT None FEET _____ INCHES _____
 FEET _____ INCHES _____ FEET _____ INCHES _____
 FEET _____ INCHES _____ FEET _____ INCHES _____

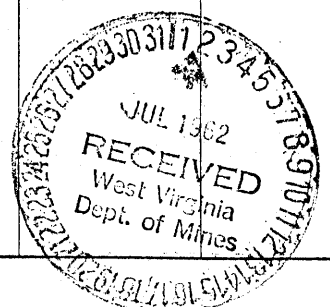
WELL FRACTURED Riverfack

RESULT AFTER TREATMENT 30 Bbl. Oil and 180M Gas

ROCK PRESSURE AFTER TREATMENT 350 Lbs.

Fresh Water _____ Feet 360 Ft. Salt Water _____ Feet 855 Ft.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	50			
Slate			50	90			
Sand			90	115			
Red Rock			115	125			
Sand			125	155			
Blue Slate			155	162			
Sand			162	175			
Slate			175	210			
Red Rock			210	240			
Blue Slate			240	290			
Red Rock			290	316			
Blue Slate			316	322			
Sand			322	338			
Blue Slate			338	350			
Lime & Shell			350	360			
Blue Slate			360	418	360 Ft. -	3 Bailors per Hr.	
Lime & Shell			418	427			
Blue Slate			427	455			
Lime Shells			455	465			
Blue Slate			465	525			
Lime Shells			525	590			
Red Rock			590	620			
Sand			620	646			
Blue Slate			646	660			
Red Rock			660	675			
Slate			675	693			
Red Rock			693	722			
Lime & Shells			722	738			



Formation	Color	Hard or Soft	Top <i>2</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			738	751			
Sandy Lime			751	843			
Sand			843	885	855 - Six Bailers		per Hr.
XXXXXX Lime			885	970			
Black Slate			970	992			
Slate & Shells			992	1013			
Sand			1013	1054			
Lime & Shells			1054	1068			
Sandy Lime			1068	1080			
Slate			1080	1142			
Lime & Shells			1142	1160			
Black Slate			1160	1235			
Sand			1235	1265			
Lime & Shells			1265	1274			
Sand			1274	1385			
Lime & Shell			1385	1408			
Sand			1408	1460			
Lime Shells			1460	1481			
Slate			1481	1585			
Sand			1585	1610			
Lime & Shells			1610	1810			
Sand			1810	1838			
Limb			1838	1882			
Sand			1882	1891			
Lime			1891	1904			
Sand			1904	1922			
Lime			1922	1933			
Sand			1933	1977	Oil & Gas	1933-1944	Show
Slate			1977	2041	Oil & Gas	1957-1969	Show

Date..... June 28,, 1962

APPROVED Hardman Drilling Co., Owner

By Don Hardman, Partner
(Title)