



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 2

Quadrangle West Union

Permit No. DOD-441

WELL RECORD

Oil or Gas Well Both
(KIND)

Company Perkins and McCutchan
Address West Union, West Virginia
Farm Maxwell Heirs Acres 420
Location (waters) Middle Island
Well No. # 2 Elev. 1173
District West Union County Doddridge
The surface of tract is owned in fee by I. Tucker
Ellenboro Address West Virginia
Mineral rights are owned by Maxwell Heirs
Address _____
Drilling commenced August 20, 1960
Drilling completed November 1960
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure 400 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			
10	391		Size of _____
8 3/4	1081		
6 5/8			Depth set _____
5 3/16			
3 1/2	2320	2320	Perf. top _____
2			Perf. bottom <u>keener</u>
Liners Used	Cemented thru and		Perf. top _____
	left in hole and		Perf. bottom <u>injun</u>
	Perforated		

CASING CEMENTED 4 1/2" SIZE 2320' No. Ft. _____ Date _____
15 sks. Cement - 5 sks. Aquagel,
Garaton Service
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

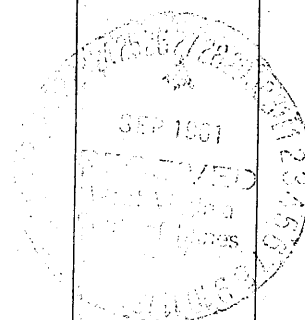
WELL FRACTURED Dowell Chemical Company
1000 bbl. of water 48,000 lbs sand

RESULT AFTER TREATMENT Producing about 2 million feet of gas per month & 4 bbl. oil per day

ROCK PRESSURE AFTER TREATMENT 165# 24 hours

Fresh Water 87' & 100' Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	11			
Sand			11	15			
Clay			15	21			
Sand			100	105	Water 3 bailer per hr.		
Red Rock			105	120			
Lime			120	135			
Slate			135	145			
Sand			145	185	Soft		
Slate			185	220			
Red Rock			220	240			
Sand			240	264			
Gritty Sand			264	272	Hard		
Red Rock			272	282			
Slate			282	288			
Sand			288	308	Hard		
Slate			308	370			
Red Rock			370	385			
Sand			385	389			
Slate			389	395			
Lime			395	443			
Red Rock			443	505			
Lime			505	515			
Red Rock			515	527			
Slate			527	540			
Sand			540	555			
Slate			555	574			
SAND			574	585			
Lime			585	605			
Pink Rock			605	620			
Lime			620	645			



Formation	Color	Hard or Soft	Top <i>L</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pink Rock			645	660			
Lime			660	673			
Sand			673	732	715 water	1 bailer per hr.	
Slate			732	734			
Sand			734	764			
Slate			764	780			
Pink Rock			780	800			
Slate			800	825			
Lime			825	840			
Slate			840	885			
Red Rock			885	900			
Slate			900	935			
Pink Rock			935	1048			
Lime			1048	1052			
Slate			1052	1074			
Lime			1074	1076			
Sand			1076	1120			
Slate			1120	1160			
Pink Rock			1160	1190			
Lime			1190	1200			
Slate			1200	1212			
Sand			1212	1225			
Black Slate			1225	1245			
Lime			1245	1253			
Loose Slate			1253	1275			
Lime			1275	1282			
Sand			1282	1315	Water 1315		
Slate			1315	1346			
Lime			1346	1385			
Sand			1385	1460			
Slate			1460	1480			
Sand			1480	1540			
Slate			1540	1610			
Sand			1610	1620			
Slate			1620	1640			
Sand			1640	1710			
Slate			1710	1730			
Sand			1730	1745			
Slate			1745	1757			
Sand			1757	1775			
Slate			1775	1792			
Lime			1792	1825			
Sand			1825	1831			
Slate			1831	1841			
Sand			1841	1847			
Slate			1847	1857			
Lime			1857	1867			
Slate			1867	1890			
Sand			1890	1910			
Slate			1910	1921			
Sand			1921	1931			
Slate			1931	1940			
Sand & Jell			1940	1959			
Lime			1959	1970			
Slate			1970	1997			
Lime			1997	2013			
			2013	2029			
Slate			2029	2048			
Pink Rock			2048	2091	2115-2122 Gas		
Lime			2091	2169	2273-2276 Gas		
Sand			2169	2179	2185-011		
Sand			2179	2197	2187-Gas		
Sand			2197	2276			
Slate			2276	2320			
			TOTAL DEPTH		2320		

Date....., 19.....

APPROVED....., Owner

By.....
(Title)