

FLUID SAMPLE D. A				Date 5-3-81		Ticket Number 116133	
Sampler Pressure 470 P.S.I.G. at Surface Recovery: Cu. Ft. Gas 6.5 cc. Oil 700 cc cc. Water 200 cc cc. Mud Tot. Liquid cc. 900 cc				Kind of D.S.T. OPEN HOLE		Halliburton Location HOBBS	
				Tester MR. LINDSAY MR. DIGBY		Witness HARRINGTON	
Gravity _____ ° API @ _____ ° F.				Drilling Contract WARTON DRILLING COMPANY RIG # 2 sm			
Gas/Oil Ratio 1473 cu. ft./bbl.				EQUIPMENT & HOLE DATA			
RESISTIVITY CHLORIDE CONTENT				Formation Tested Bough C			
				Elevation 4203' ground Ft.			
				Net Productive Interval 16' Ft.			
				All Depths Measured From Rotary kelly bushing 16' Ft.			
				Total Depth 9940' Ft.			
				Main Hole/Casing Size 7 7/8"			
				Drill Collar Length 701' I.D. 2 1/4"			
				Drill Pipe Length 9178' I.D. 3.826"			
				Packer Depth(s) 9892- 9897' ft.			
				Depth Tester Valve 9860' Ft.			
TYPE		AMOUNT		Depth Back Surface		Bottom	
Cushion				Ft. Pres. Valve		Choke 1" adj. Choke .75"	
Recovered		4200 Feet of		heavy gas and oil cut mud			
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks							
SEE PRODUCTION TEST DATA SHEET							
TEMPERATURE		Gauge No. 1516		Gauge No. 1496		Gauge No.	
		Depth: 9879 Ft.		Depth: 9935 Ft.		Depth: Ft.	
Est. C 170 °F.		24 Hour Clock		24 Hour Clock		Hour Clock	
		Blanked Off NO		Blanked Off YES		Blanked Off	
Actual °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		4878 4973.2		4916 4992.7			
First Period	Flow Initial	266 545.1		266 586.7			
	Flow Final	354 348.2		311 354.8			
	Closed in	3128 3190.0		3142 3194.5			
Second Period	Flow Initial	354 372.6		355 387.8			
	Flow Final	664 727.7		710 729.3			
	Closed in	3084 3143.6		3098 3147.0			
Third Period	Flow Initial						
	Flow Final	*See special reading sheet					
	Closed in						
Final Hydrostatic		4900 4986.3		4916 4998.4			

Legal Location Sec. - Twp. - Rng. T 12 R 34E S31
 Lease Name WARFIELD
 Well No. Y-1
 Test No. 1
 Tested Interval 9897 - 9940'
 Field Area RANGER LAKE
 County LEA
 State NEW MEXICO
 Lease Owner/Company Name HARPER OIL COMPANY