

FLUID SAMPLE DATA				Date 3-8-72		Ticket Number 489681	
Sampler Pressure <u>1500#</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas <u>6</u> cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____				Kind of Job OPEN HOLE		Halliburton District EUNICE	
				Tester MR. WASHBURN		Witness MR. STORN	
				Drilling Contractor MORAN DRILLING COMPANY IC S			
EQUIPMENT & HOLE DATA							
				Formation Tested <u>Morrow</u>			
				Elevation _____ Ft.			
				Net Productive Interval _____ Ft.			
				All Depths Measured From <u>Kelly Bushing</u>			
				Total Depth <u>12,197'</u> Ft.			
				Main Hole/Casing Size <u>7 7/8" - 8 5/8"</u>			
				Drill Collar Length <u>630'</u> I.D. <u>2.50"</u>			
				Drill Pipe Length <u>11,467'</u> I.D. <u>3.826"</u>			
				Packer Depth(s) <u>11,984' - 11,990'</u> Ft.			
				Depth Tester Valve <u>11,956'</u> Ft.			
Gravity _____ ° API @ _____ °F.		Gas/Oil Ratio _____ cu. ft./bbl.					
RESISTIVITY		CHLORIDE CONTENT					
Recovery Water	_____ @ _____ °F.	_____ ppm					
Recovery Mud	_____ @ _____ °F.						
Recovery Mud Filtrate	_____ @ _____ °F.	_____ ppm					
Mud Pit Sample	_____ @ _____ °F.						
Mud Pit Sample Filtrate	_____ @ _____ °F.	<u>100,000</u> ppm					
Mud Weight	<u>9.5</u> vis	<u>32</u> cp					
TYPE <u>1986</u> AMOUNT <u>WATER</u>		Depth Back Pres. Valve <u>-</u>		Surface Choke <u>1" MOD.</u>		Bottom Choke <u>3/4"</u>	
Recovered <u>1986</u>		Feet of <u>Water cushion</u>					
Recovered <u>11,916</u>		Feet of <u>Gas in drill pipe & collars</u>					
Recovered _____		Feet of _____					
Recovered _____		Feet of _____					
Recovered _____		Feet of _____					
Remarks <u>Opened tool for 42 minute first flow - shut in at surface for 87 minute initial closed in pressure. Reopened tool for 97 minute second flow on 1/4" choke. Closed tool for 124 minute second closed in pressure. Reversed out water cushion and gas to surface in 12 minutes on 1/4" choke. Flow at 2800#.</u>							
TEMPERATURE		Gauge No. <u>108</u>	Gauge No. <u>335</u>	Gauge No. _____	TIME		
Depth: <u>11,970'</u> Ft.		Depth: <u>12,194'</u> Ft.	Depth: _____ Ft.				
Est. <u>180</u> °F.		<u>24</u> Hour Clock	<u>48</u> Hour Clock	Hour Clock		Tool _____ A.M.	
Blanked Off <u>NO</u>		Blanked Off <u>YES</u>	Blanked Off _____		Opened <u>9:10</u> XXM		
Actual _____ °F.		Pressures		Pressures		Tool _____ XXM	
		Field	Office	Field	Office	Closed <u>3:00</u> P.M.	
Initial Hydrostatic		<u>6106</u>	<u>5893</u>	<u>5999</u>	<u>6030</u>	Reported	Computed
						Minutes	Minutes
First Period	Flow Initial	<u>1202</u>	<u>1967</u>	<u>2026</u>	<u>2014</u>	_____	_____
	Flow Final	<u>2794</u>	<u>2822</u>	<u>3019</u>	<u>3031</u>	<u>30</u>	<u>42</u>
	Closed in	<u>4823</u>	<u>4920</u>	<u>4950</u>	<u>4974</u>	<u>105</u>	<u>87</u>
Second Period	Flow Initial	<u>4141</u>	<u>4920</u>	<u>4270</u>	<u>4974</u>	_____	_____
	Flow Final	<u>4094</u>	<u>4160</u>	<u>4223</u>	<u>4265</u>	<u>95</u>	<u>97</u>
	Closed in	<u>4917</u>	<u>4946</u>	<u>4974</u>	<u>5009</u>	_____	<u>124</u>
Third Period	Flow Initial					_____	_____
	Flow Final					_____	_____
	Closed in					_____	_____
Final Hydrostatic		<u>5827</u>	<u>5872</u>	<u>5953</u>	<u>6009</u>	_____	_____

Legal Location Sec. - Twp. - Rng. 22 - 20S - 30E
 Lease Name FEDERAL
 Well No. 2
 Test No. 1
 Tested Interval 11,990' - 12,197'
 Field Area WILDCAT
 County LEA
 State NEW MEXICO
 Lease Owner/Company Name ELWIN C. HALE

RECEIVED
 JUN 28 1972
 U.S. GEOLOGICAL SURVEY
 ARTESIA FIELD OFFICE
 JUN 29 1972
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