

FLUID SAMPLE DATA				Date 11-16-77		Ticket Number 298269	
Sampler Pressure <u>80#</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water <u>2100</u> cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ ° F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY CHLORIDE CONTENT Recovery Water _____ @ _____ ° F. _____ ppm Recovery Mud _____ @ _____ ° F. _____ ppm Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm Mud Pit Sample _____ @ _____ ° F. <u>7800</u> ppm Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm Mud Weight <u>9.2</u> vis <u>48</u> sec				Kind of Job <u>OPEN HOLE</u> Tester <u>MR. SUMARALD</u> Witness <u>MR. PETERSON</u> Drilling Contractor <u>MORANCO</u> IC		Halliburton District <u>HOBBS</u>	
EQUIPMENT & HOLE DATA							
Formation Tested <u>Devonian</u>				Elevation <u>3985'</u> Ft.			
Net Productive Interval <u>3'</u> Ft.				All Depths Measured From <u>Kelly Bushing</u>			
Total Depth <u>14,081'</u> Ft.				Main Hole/Casing Size <u>7 7/8"</u>			
Drill Collar Length <u>450'</u>				I.D. <u>2 1/4"</u>			
Drill Pipe Length <u>13,569'</u>				I.D. <u>3.826"</u>			
Packer Depth(s) <u>14,058' - 14,066'</u> Ft.				Depth Tester Valve <u>14,024'</u> Ft.			
Cushion		TYPE	AMOUNT	Depth Back	Surface	Bottom	
		<u>4063'</u>	<u>WATER</u>	Ft. Pres. Valve <u>-</u>	Choke <u>ADJ.</u>	Choke <u>.75"</u>	
Recovered	<u>3572</u>	Feet of <u>Water blanket</u>					
Recovered	<u>8347</u>	Feet of <u>Sulphur water</u>					
Recovered		Feet of _____					
Recovered		Feet of _____					
Recovered		Feet of _____					
Remarks <u>SEE PRODUCTION TEST DATA SHEET.</u>							
Readings on B.T. #7303 questionable due to stylus slippage.							
TEMPERATURE		Gauge No. <u>7303</u>	Gauge No. <u>7302</u>	Gauge No. _____	TIME		
Depth: <u>14,045'</u> Ft.		Depth: <u>14,078'</u> Ft.	Depth: _____ Ft.				
<u>24</u> Hour Clock		<u>24</u> Hour Clock	Hour Clock	Tool <u>13:30</u> A.M.			
Est. _____ ° F.		Blanked Off <u>NO</u>	Blanked Off <u>YES</u>	Opened _____ A.M.			
Actual <u>165</u> ° F.		Pressures		Pressures		Bypass - _____ P.M.	
	Field	Office	Field	Office	Field	Office	
Initial Hydrostatic	<u>5481</u>	<u>5446</u>	<u>5446</u>	<u>5391</u>			
First Period Flow	Initial	<u>5415</u>	<u>765</u>	<u>5446</u>	<u>5256</u>		
	Final	<u>5393</u>	<u>5055</u>	<u>5402</u>	<u>5364</u>		
	Closed in	<u>5437</u>	<u>5433</u>	<u>5490</u>	<u>5402</u>		
Second Period Flow	Initial	<u>5437</u>	<u>5424</u>	<u>5269</u>	<u>5393</u>		
	Final	<u>5437</u>	<u>5428</u>	<u>5402</u>	<u>5397</u>		
	Closed in	<u>5437</u>	<u>5428</u>	<u>5402</u>	<u>5397</u>		
Third Period Flow	Initial						
	Final						
	Closed in						
Final Hydrostatic	<u>5437</u>	<u>5422</u>	<u>5402</u>	<u>5389</u>			

 Legal Location
 Sec. - Twp. - Rng.

 PHILLIPS STATE
 Lease Name

Well No.

Test No.

 14,066' - 14,081'
 Tested Interval

County LEA

 HILLIARD OIL & GAS INCORPORATED
 Lease Owner/Company Name

State NEW MEXICO