

FLUID SAMPLE DATA				Date 6-23-71		Net Number 286359	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District LOVINGTON	
Recovery: Cu. Ft. Gas _____				Tester MR. HARTLEY		Witness MR. BURGER	
cc. Oil _____				Drilling Contractor MORAN DRILLING COMPANY BC S			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested San Andres			
Tot. Liquid cc. _____				Elevation 4106' Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 9' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY CHLORIDE CONTENT				Total Depth 4720' Ft.			
Recovery Water .319 @ 88 °F. 10,500 ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud _____ @ _____ °F.				Drill Collar Length 620' I.D. 2.25"			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Pipe Length 4042' I.D. 3.826"			
Mud Pit Sample _____ @ _____ °F.				Packer Depth(s) 4690' Ft.			
Mud Pit Sample Filtrate .414 @ 88 °F. 7,500 ppm				Depth Tester Valve 4668' Ft.			
Mud Weight 8.33 vis _____ cp							
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Ft.		1" ADJ. Bottom Choke None	
Recovered 246		Feet of		Drilling fluid			
Recovered 93		Feet of		Very slightly gas cut drilling fluid			
Recovered		Feet of		Trace of oil at tool			
Recovered		Feet of					
Recovered		Feet of					
Remarks Tool opened for a 21 minute first flow with a weak blow, increasing to fair blow at end of flow. Closed tool for 60 minute first closed in pressure. Re-opened tool for 59 minute second flow with weak blow in 20 minutes, decreasing in 30 minutes, dead at end of flow. Closed tool for 120 minute second closed in pressure.							
TEMPERATURE		Gauge No. 1636		Gauge No. 35		Gauge No.	
Depth:		4673 Ft.		4716 Ft.		Ft.	
Est. °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off NO		Blanked Off YES		Blanked Off		TIME	
Actual 99 °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		2018 2025		2031 2043			
First Period	Flow Initial	23 13		22 28			
	Flow Final	92 84		106 103			
	Closed in	916 936		950 958			
Second Period	Flow Initial	92 91		106 108			
	Flow Final	183 187		191 208			
	Closed in	870 881		887 903			
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic		2018 2035		2031 2056			

Legal Location Sec. - Twp. - Rng. 4 - 17S - 34E

Lease Name

Well No. 2

Test No. 1

Field Area VACUUM

County LEA

State NEW MEXICO

PENNZOIL KOCH B

4690' - 4720'

KOCH EXPLORATION COMPANY

Lease Owner/Company Name