FLUID SAMPLE DATA

Sampler Pressure _____ P.S.I.G. at Surface

Recovery: Cu. Ft. Gas _____
cc. Oil _____
cc. Water _____
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.		ppm
Mud Pit Sample Filtrate	@	°F.		ppm

Mud Weight 9.7 vis 34 Sec

Date	10-31-76	Ticket Number	760366
Kind of Job	OPEN HOLE	Halliburton District	ARTESIA
Tester	MR. RUSK	Witness	MR. TALLEY
Drilling Contractor	MORANCO DRILLING COMPANY		BJS

EQUIPMENT & HOLE DATA

Formation Tested	Morrow		
Elevation	3340' RL		Ft.
Net Productive Interval			Ft.
All Depths Measured From	Kelly Bushing- 16.10 -3357		
Total Depth	10956'		Ft.
Main Hole/Casing Size	7 7/8"		
Drill Collar Length	562'	I.D.	-
Drill Pipe Length	10317'	I.D.	3.826"
Packer Depth(s)	10790'		Ft.
Depth Tester Valve	10767'		Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke Pos. Choke Bottom Choke .75"

Recovered 150' Feet of gas cut mud

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

Mea. From Tester Valve

Remarks SEE PRODUCTION TEST DATA SHEET....

TEMPERATURE	Gauge No. 1639	Gauge No. 1638	Gauge No.	TIME
	Depth: 10772' Ft.	Depth: 10952' Ft.	Depth: Ft.	
	24 Hour Clock	24 Hour Clock	Hour Clock	Tool Opened 12:30 A.M. P.M.
Est. 174 °F.	Blanked Off NO	Blanked Off YES	Blanked Off	
Actual °F.	Pressures	Pressures	Pressures	Opened Bypass 3:00 A.M. P.M.

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		4737	4768	4907	4841				
First Period	Flow Initial	111	113	131	162			—	—
	Flow Final	133	155	475	190			30	28
	Closed in	3448	3494	3476	3499			60	62
Second Period	Flow Initial	133	164	175	192			—	—
	Flow Final	266	284	351	321			60	59
	Closed in								
Third Period	Flow Initial							—	—
	Flow Final								
	Closed in		4359BR-Q		4426BR-Q				
Final Hydrostatic		5538	5593AR	5637	5666AR			—	—

AR = AFTER REVERSING BR = BEFORE REVERSING Q = QUESTIONABLE

Legal Location Sec. - Twp. - Rng. 13 18 28

Lease Name: ANGEL RANCH COMM

Well No. 1

Test No. 1

Field Area: WINCHESTER

Tested Interval: 10790' to 10956'

County: EDDY

State: NEW MEXICO

Lease Owner/Company Name: PENROC OIL CORPORATION

FORMATION TEST DATA