

FLUID SAMPLE DATA				Date 7-27-75		Ticket Number 788043	
Sampler Pressure 1250 P.S.I.G. at Surface Recovery: Cu. Ft. Gas 3.1 cc. Oil _____ cc. Water _____ cc. Mud 1600 Tot. Liquid cc. 1600 Gravity _____ ° API @ _____ ° F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY CHLORIDE CONTENT Recovery Water _____ @ _____ ° F. 50,400 ppm Recovery Mud _____ @ _____ ° F. 120,000 ppm Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm Mud Pit Sample _____ @ _____ ° F. 124,800 ppm Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm Mud Weight 11.2 vis 40 cp				Kind of Job OPEN HOLE Tester MR. GULLEY Witness MR. MANN Drilling Contractor MORAN COMPANY SM S EQUIPMENT & HOLE DATA Formation Tested Morrow Elevation 3162' ground level Ft. Net Productive Interval 20' Ft. All Depths Measured From 16' Kelly bushing Total Depth 11609' Ft. Main Hole/Casing Size 8 1/2" Drill Collar Length 534' I.D. 2.25" Drill Pipe Length 11001' I.D. 3.826" Packer Depth(s) 11408-11414' Ft. Depth Tester Valve 11376' Ft.			
TYPE AMOUNT Depth Back Surface Floor Bottom Cushion Fresh water 2500' Ft. Pres. Valve Choke Manifold Choke .75"							
Recovered 2500 Feet of fresh water cushion, slightly gas cut				Field Area SOUTH CARLSBAD (WILDCAT) County Mea. From Tester Valve Legal Location Sec. - Twp. - Rng. Lease Name M. K. NOBLE Well No. 1 Test No. 1 Tested Interval 11414 - 11609' EDDY State NEW MEXICO Lessee Owner/Company Name COTTON PETROLEUM CORPORATION			
Recovered 700 Feet of salt water, slightly gas cut							
Recovered 400 Feet of salt water & mud, slightly gas cut							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Remarks Tool opened for 30 minute first flow period with a weak blow. Closed tool for 60 minute first closed in pressure period. Tool reopened for 60 minute second flow period with a weak blow building to a good blow. Closed tool for second CIP period (cycled tool to make sure tool was closed.). Charts indicate slight plugging during early part of first flow period.							
TEMPERATURE		Gauge No. 1639 Depth: 11390 Ft.		Gauge No. 1638 Depth: 11605 Ft.		Gauge No. _____ Depth: _____ Ft.	
Est. _____ ° F.		Blanked Off no		Blanked Off yes		Blanked Off _____	
Actual 120° F.		Pressures		Pressures		Pressures	
	Field	Office	Field	Office	Field	Office	
First Period	Initial Hydrostatic	6618	6636	6699	6772		
	Flow Initial	1545	1552	1619	1671		
	Flow Final	1567	1563	1640	1675		
Second Period	Closed in	3984	4078	4205	4218		
	Flow Initial	1567	1581	1640	1686		
	Flow Final	1589	1589	1684	1702		
Third Period	Closed in	4654	4661	4777	4775		
	Flow Initial						
	Flow Final						
	Closed in						
	Final Hydrostatic	6618	6636	6699	6772		

FORMATION TEST DATA

LITTLE'S METHOD 10/4/70