

FLUID SAMPLE DATA				Date 10-25-78				Ticket Number 613035			
Sampler Pressure 1000 P.S.I.G. at Surface				Kind of Job OPEN HOLE TEST				Holliburton District HOBBS			
Recovery: Cu. Ft. Gas 1.059				Tester W. FLETCHER				Witness WAYNE EDGE			
cc. Oil				N. MANNEY							
cc. Water				Drilling Contractor M. G. F. DRILLING COMPANY RIG #7 bj							
cc. Mud 800 - Heavy gas cut				EQUIPMENT & HOLE DATA							
Tot. Liquid cc. 800 - Trace of oil				Formation Tested Lower Mississippi							
Gravity ° API @ ° F.				Elevation 3858' GL				Ft.			
Gas/Oil Ratio cu. ft./bbl.				Net Productive Interval 27'				Ft.			
RESISTIVITY CHLORIDE CONTENT				All Depths Measured From Rotary Table							
Recovery Water @ ° F. ppm				Total Depth 12102'				Ft.			
Recovery Mud @ ° F. ppm				Main Hole/Casing Size 7 7/8"							
Recovery Mud Filtrate @ ° F. ppm				Drill Collar Length 269' I.D. 2 3/8"							
Mud Pit Sample @ ° F. ppm				Drill Pipe Length 11470' I.D. 3.826"							
Mud Pit Sample Filtrate @ ° F. ppm				Packer Depth(s) 12068' 12075'				Ft.			
Mud Weight 9.9 vis 36 sec				Depth Tester Valve 12051'				Ft.			
TYPE AMOUNT				Depth Back Surface Bottom							
Cushion 1500 FRESH WATER Ft. Pres. Valve				Choke Adj. Choke .75"							
Recovered 1500 Feet of gas cut water blanket with a trace of oil.											
Recovered 558 Feet of heavy gas cut drilling fluid and a trace of oil.											
Recovered Feet of											
Recovered Feet of											
Recovered Feet of											
Remarks SEE PRODUCTION TEST DATA SHEET....											
TEMPERATURE		Gauge No. 1928		Gauge No. 1927		Gauge No.		TIME			
Depth:		12053' Ft.		Depth: 12098' Ft.		Depth: Ft.					
24 Hour Clock		24 Hour Clock		24 Hour Clock		Hour Clock		Tool A.M.			
Est. ° F.		Blanked Off NO		Blanked Off YES		Blanked Off		Opened 0830 P.M.			
Actual 167 ° F.		Pressures		Pressures		Pressures		Opened A.M.			
		Field Office		Field Office		Field Office		Bypass 1301 P.M.			
		Field Office		Field Office		Field Office		Reported Computed			
		Field Office		Field Office		Field Office		Minutes Minutes			
First Period	Initial Hydrostatic	6061	6047	6052	6025						
	Flow Initial	828	791	796	782						
	Flow Final	874	867	867	843			30			
Second Period	Closed in	2143	2061	2049	2039			60			
	Flow Initial	874	910	867	895						
	Flow Final	966	966	984	941			60			
Third Period	Closed in	2642	2619	2603	2591			121			
	Flow Initial										
	Flow Final										
	Closed in										
	Final Hydrostatic	6038	6047	6053	6025						

Legal Location
Sec - Twp - Rng.

26 13S 37E

Field Area
Med. From Tester Valve

County

LEA

State NEW MEXICO

LOWLAND

Well No. 2

Test No. 2

Tested Interval

12075' to 12102'

COTTON PETROLEUM CORPORATION

Lease Owner/Company Name

613035

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____

Gas gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
2215						On location.
0115						Picked up tools.
0230						Ran in the hole.
0830		Bubble Hose				Opened tool with a weak blow.
0835		"				Blow increasing - 2 1/2" in water.
0840		"				" 3" in water.
0845		"				" 3.75" in water.
0850		"				" 4.25" in water.
0855		"				" 4.75" in water.
0900		"				Fair blow. 5.00" in water.
0900						Closed tool.
1000		"				Reopened tool with a fair blow - 3" in water.
1010		"				Blow increasing. 4" in water.
1020		"				" 4.50" in water.
1030		"				" 5.00" in water.
1040		"				" 5.25" in water.
1050		"				" 5.50" in water.
1100		"				" 5.75" in water.
1100						Closed tool.
1301						Pulled loose.
1315						Pulled out of the hole.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	6.00"	3.00"	1.00'	
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	11470'	
Drill Collars	6.00"	2 3/8"	569'	
Handling Sub & Choke Assembly	6.00"	2.50"	1.00' X OVER	
Dual CIP Valve				
Dual CIP Sampler	5.00"	.75"	7.00'	12047'
Hydro-Spring Tester	5.00"	.75"	4.00'	12051'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	3.25"	5.00'	12053'
Hydraulic Jar	5.00"	1.75"	5.00'	
VR Safety Joint	5.00"	1.00"	3.00'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	5.00'	12068'
Distributor	5.00"	1.68"	2.00'	
Packer Assembly	6.75"	1.53"	5.00'	12075'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5.75"	3.50"	20'	
Blanked-Off B.T. Running Case	5.75"	3.50"	5.00'	12098'
Total Depth				12102'

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Gravity ° API @ ° F.				Net Productive Interval 27' Ft.					
Gas/Oil Ratio cu. ft./bbl.				All Depths Measured From Rotary Table					
RESISTIVITY CHLORIDE CONTENT				Total Depth 12102' Ft.					
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Recovery Mud Filtrate @ ° F. ppm				Drill Pipe Length 11470' I.D. 3.826"					
Mud Pit Sample @ ° F. ppm				Packer Depth(s) 12068' 12075' Ft.					
Mud Pit Sample Filtrate @ ° F. ppm				Depth Tester Valve 12051' Ft.					
Mud Weight 9.9 vis 36 sec									
TYPE		AMOUNT		Depth Back		Surface		Bottom	
Cushion		1500 FRESH WATER		Ft. Pres. Valve		Choke Adj.		Choke .75"	
Recovered		1500		Feet of		gas cut water blanket with a trace of oil.			
Recovered		558		Feet of		heavy gas cut drilling fluid and a trace of oil.			
Recovered				Feet of					
Recovered				Feet of					
Recovered				Feet of					
Remarks		SEE PRODUCTION TEST DATA SHEET....							
TEMPERATURE		Gauge No. 1928		Gauge No. 1927		Gauge No.		TIME	
Depth:		12053' Ft.		12098' Ft.		Ft.			
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								Bypass 1301 P.M.	
		Field	Office	Field	Office	Field	Office	Reported	Computed
								Minutes	Minutes
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Sec. - Twp. - Rng.

26 13S 37E

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Med. From Tester Valve
EAST OF MC DONNAL

County

LEA

State NEW MEXICO

Lease Name
LOWLANDWell No.
2Test No.
2

Tested Interval

12075' to 12102'

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