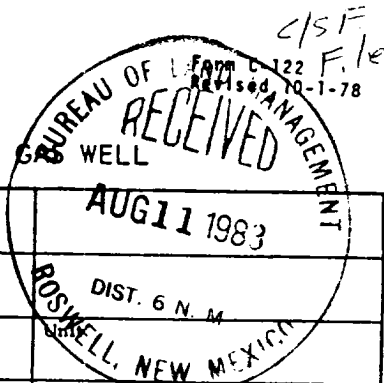


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☐ Initial ☐ Annual ☐ Special				Test Date 7/25/83		BUREAU OF LAND MANAGEMENT RECEIVED AUG 11 1983 DIST. 6 N. M. SANTA FE, NEW MEXICO					
Company McClellan Oil Corp ✓				Connection Air							
Pool Per. 2-1-83				Formation Abo							
Completion Date 8-2-83		Total Depth 3887		Plug Back TD 384		Elevation 5425					
Ceq. Size 4 1/2		Wt. 10.5		Set At 384		Perforations: From 3681 To 3702					
Tub. Size 2 3/8		Wt. 4.7		Set At 3624		Perforations: From Open To ended					
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		Farm or Lease Name Coyote Draw					
Producing Thru Tubing		Reservoir Temp. °F 99		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2					
L		H		C _g .633		% CO ₂					
						% N ₂					
						% H ₂ S					
						Prover 2H					
						Meter Run					
						Taps					
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI											
1.	2	X	3/32	656		89	769		769		
2.	2	X	1/8	527		79	718		722		1 hr
3.	2	X	3/16	430		72	620		650		"
4.	2	X	7/32	327		73	420		510		"
5.							330		390		"
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcid				
1	.141	669.2		.9732	1.212	1.0624	118				
2	.2648	540.2		.9822	1.212	1.0533	179				
3	.6082	443.2		.9886	1.212	1.0453	338				
4	.8393	340.2		.9877	1.212	1.0339	359				
5											
NO.	R _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2					Specific Gravity Separator Gas _____ XXXXXXXXXX						
3					Specific Gravity Flowing Fluid _____ XXXXXX						
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5					Critical Temperature _____ R _____ R						
P _c 329 P _c ² 687											
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²							
1		761	579	108							
2		688	473	214							
3		525	276	412							
4		396	157	530							
5											
Absolute Open Flow 426 Mcid @ 15.025					Angle of Slope @ 54		Slope, n 7265				
Remarks: Bottom hole pressures recorded with Amerada type gauge.											
Approved By Division		Conducted By:		Calculated By:		Checked By:					
		KELTIC SERVICES		Kelly							