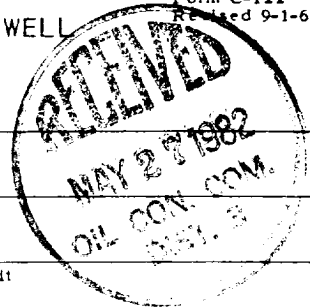


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 5/25/82		
Company JACK A. COLE			Connection None			
Pool Ballard Pictured Cliffs			Formation Pictured Cliffs		Unit	
Completion Date 5/8/82		Total Depth 3000'	Plug Back TD 2965'	Elevation 7396'GL	Farm or Lease Name Indian Bend "A"	
Csg. Size 4.500	Wt. 10.50	d 4.000	Set At 2983'	Perforations: From 2886' To 2911'		Well No. 2
Tng. Size 1.660	Wt. 2.40	d 1.380	Set At 2894'	Perforations: From Open To Ended		Unit Sec. Twp. Rge. G 5 22N 2W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County Sandoval
Producing Thru Tubing		Reservoir Temp. *F 100# 3000	Mean Annual Temp. *F 60	Baro. Press. - P _a 12.0		State New Mexico
L 2,894	H 2894	G _g	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. *F	Press. p.s.i.g.	Temp. *F	Press. p.s.i.g.	Temp. *F	
SI							720		720		7 days
1.	3/4" THC						160		610		3 hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		172	1.0000	1.0000	1.0000	2127
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ X X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 732	P _c ² 535,824	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5975$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.9689$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		622	386,884	148,940
2.				
3.				
4.				
5.				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6,315$

Absolute Open Flow	6,315	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.85
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Remarks:

Approved By Commission:	Conducted By: Jerold Brooks	Calculated By: E. N. Walsh	Checked By:
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