

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

Form C-122
Revised 7-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 8-20-76	
Company: Carlkins Oil Company				Connection:	
Pool: Undes Chacra				Formation: Chacra	
Completion Date: 8-10-76		Total Depth: 4020		Elevation: 6540	
Csg. Size: 4 1/2"		Set At: 4020		Perforations: From 3903 To 3998	
Tbg. Size: 1 1/4"		Set At: 3900		Perforations: From 3900 To	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple				Packer Set At: 307L	
Producing Thru Tubing				Reservoir Temp. °F: 8	
Mean Annual Temp. °F:				State: New Mexico	
L		H		Gg	
% 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.	
51	7	Days					1040		PKR	
1.							20		PKR	
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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.1605		32	1.000	1.000	1.000	453
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.00$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.53$
1	1021	74	5,425	1,101,277		
2.						
3.						
4.						
5.						

Absolute Gas Flow: 453		Mcf @ 15.025 in. Hg at 75		Slope, n _____	
Remarks: _____					

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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