

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

Form C-122
Revised 9-1-65

RECEIVED
MAR 09 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/8/84	
Company R. C. WYNN				Connection	
Pool Chacra Chacra				Formation Chacra	
Completion Date 2/29/84		Total Depth 3325'		Plug Back TD 3278'	
Elevation 5855' G.L.		Farm or Lease Name Federal "M"			
Csg. Size 4-1/2	Wt. 9.50	d 4.090	Set At 3321	Perforations: From 3070 To 3217'	
Thq. Size 1-1/2	Wt. 2.75	d 1.380	Set At 3085	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 92 @ 3325		Mean Annual Temp. °F 60	
Baro. Press. - P _a 12.0		State New Mexico			
L 3085	H 3085	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.		Temp. °F
SI							1000		1000		7 days
1.	3/4" THC						60		240		3 hrs.
2.											
3.											
4.											
5.											

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, Mcfd
1	12.3650		72	1.0000	1.0000	1.0000	890
2.							
3.							
4.							
5.							

NO.	P _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 _____ 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 1012	P _c ² 1,024,144	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0661$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0559$
NO.	P _t ²	P _w	P _w ²
1		252	63,504
2			
3			
4			
5			

Absolute Open Flow _____ 940 _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____ 0.85	
Remarks: _____					
Approved By Commission:		Conducted By: R. Dintleman		Calculated By: Ewell N. Walsh	
				Checked By:	