

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

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 3385'		Plug Back TD 3345'	
Elevation 5938' G.L.		Farm or Lease Name Federal "R"			
Csg. Size 4-1/2	Wt. 9.50	d 4.090	Set At 3379'	Perforations: From 3037' To 3236'	
Thg. Size 1-1/2	Wt. 2.75	d 1.380	Set At 3052'	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 102 @ 3385		Mean Annual Temp. °F 60	
Baro. Press. - P _a 12.0		State New Mexico			
L 3052	H 3052	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
1.	3/4" THC						1000		1000		7 days
2.							104		386		3 hrs.
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		116	1.0000	1.0000	1.0000	1434
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 1012	P _c ² 1,024,144	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1829$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1535$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		398	158,404	865,740
2.				
3.				
4.				
5.				

Absolute Open Flow _____ 1654 _____ 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:

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