

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-3-75	
Company WESTERN OIL & MINERALS				Connection		
Pool				Formation CHACRA		Unit
Completion Date 10-17-75		Total Depth		Plug Back TD 4964	Elevation 6071 EL	Farm or Lease Name MARRON
Csq. Size 5 1/2	Wt. d	Set At	Perforations: From 3313 To 3469		Well No. 6A	
Tbg. Size 1 1/4	Wt. 2.4	d	Set At 3479	Perforations: From To	Unit Sec. Twp. Rge. C 24 27 8	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL MV & CHACRA				Packer Set At 3980	County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a 12.0	State N. MEXICO	
L	H	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI									998		3 HRS
1.	.750 T.C. CHOKE			62			65	57	429	57	"
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m P _T	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		74	1.0029	.9608	—	882
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
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 1010	P _c ² 1020.100				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2356$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1719$
NO. 74 P _c ²	P _w	P _w ²	P _c ² - P _w ²			
1 5976	441	194.481	825.619			
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1034$

Absolute Open Flow 1034 Mcfd @ 15.025

Angle of Slope 3 Slope, n .750

Remarks: _____

Approved By Commission:	Conducted By: W.B. Smith	Calculated By: J. J. Smith	Checked By:
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