

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 9/15/82	
Company Northwest Exploration Co.				Connection New Well		
Pool Undesignated				Formation Chacra		Unit
Completion Date 08/14/82		Total Depth 1900'		Plug Back TD 1860'		Elevation 6928'
Csg. Size 4.500		Wt. 10.5#	d 4.052	Set At 1886'	Perforations: From 1600' To 1707'	
Trg. Size 2.375		Wt. 4.7#	d 1.995	Set At 1636'	Perforations: From To	
Type Well - Single - Bronzhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County Sandoval
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
L		H	G _g .625	% CO ₂	% N ₂	% H ₂ S 3/4
						Meter Run Taps
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F
1.	2"	X	.750"	90		66°
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}
1	9.604		102	.994	1.265	1.007
2.						
3.						
4.						
5.						
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	
1.					A.P.L. Gravity of Liquid Hydrocarbons Deg.	
2.					Specific Gravity Separator Gas X X X X X X X X	
3.					Specific Gravity Flowing Liquid X X X X X	
4.					Critical Pressure P.S.I.A. P.S.I.A.	
5.					Critical Temperature R R	
P _c 388		P _c ² 150544				
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2175$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1590$	
1		164	26896	123648		
2						
3						
4						
5						
ACF = Q				$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1437$		
Absolute Open Flow 1437 Mcfd @ 15.025				Angle of Slope °		Slope, n .75
Remarks: Produced light mist of H ₂ O throughout test. Vented 193 MCF.						
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton		Checked By: BQB