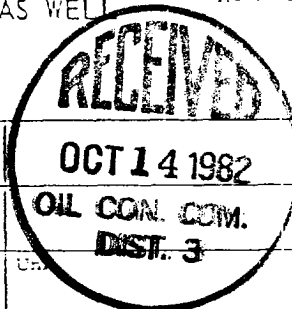


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 09/30/82	
Company Northwest Exploration Company				Connection New Completion	
Pool Undesignated				Formation Rusty Chacra	
Completion Date 08-05-82		Total Depth 1788'		Plug Back TD 1753'	
		Elevation 6918'		Farm or Lease Name Natani	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 1768'	Perforations: From 1477' To 1571'	Well No. #10
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 1521'	Perforations: From To	Unit Sec. Twp. Rge. C 14 21N 6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Baro. Press. - P _a 12.0	
		Mech Annual Temp. °F		State New Mexico	
L	H	G _g .642	% CO ₂	% N ₂	% H ₂ S
				Positive Choke	
				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	Shut-in Pressure						352		352		
1.	2"	X .750"		4		63 ⁰	4		32		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		16	.997	1.248	1.003	192
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 364	P _c ² 132496	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0148$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0110$
NO.	P _r ²	P _w	P _w ²
1		44	1936
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 194$

Absolute Open Flow 194 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .75
Remarks: Produced medium mist of water. Vented 24 MCF.				
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton
				Checked By: