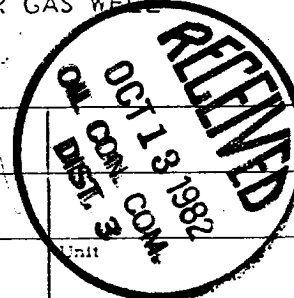


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9/17/82	
Company Northwest Exploration Co.		Connection New Completion	
Pool Undesignated		Formation Bakery Chacra	
Completion Date 8/12/82	Total Depth 1930'	Plug Back TD 1900'	Elevation 7046'
Farm or Lease Name Natani			Well No. #6
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 1926'
Perforations: From 1618' To 1760'		Well No. #6	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 1633'
Perforations: From To		Unit G	Sec. 13
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	Twp. 21
Producing Thru- Tubing		Baro. Press. - P _a 12.0	Age 6
Reservoir Temp. °F 6		Mean Annual Temp. °F	County Sandoval
State New Mexico		Meter Run	Taps
L	H	G _g .637	% CO ₂
% N ₂		% H ₂ S	Positive Choke

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	Shut-in Pressure										336
1.	2"	X	.750"	1.5" of H ₂ O through 1" pipe			336		336		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		From volumes of Pitot Gauge					36
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 _____ F

P _c	348	P _c ²	121104
NO.	P _r ²	P _w	P _w ²
1		43	1849
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0155$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0116$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 36$

Absolute Open Flow	36	Mcfd @ 15.025	Angle of Slope @	Slope, n	75
Remarks: Produced medium mist of water throughout test. Vented 14 MCF. Rate of flow taken from NMOCC volumes of Pitot Tube using 1" I.D. Pipe.					
Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: BAB		