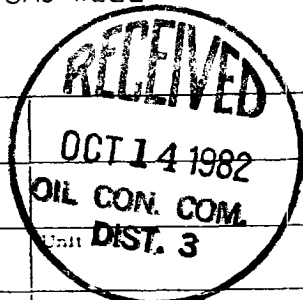


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test: Initial Annual Special Test Date: 9/21/82

Company: Northwest Exploration Company Connection: New Well

Fool: Undesignated Formation: ~~Chacra~~ Chacra

Completion Date: 8/13/82 Total Depth: 1880' Plug Back TD: 1860' Elevation: 7003' Farm or Lease Name: Natani

Csg. Size: 4.500 Wt. 10.5 d 4.052 Set At 1879' Perforations: From 1566' To 1659' Well No. #25

Tng. Size: 2.378 Wt. 4.7 d 1.995 Set At 1595' Perforations: From To Unit Sec. Twp. Rye. 0 18 21N 5W

Type Well - Single - Broadhead - G.G. or G.O. Multiple Gas - Single Packer Set At None Country: Sandoval

Producing Thru Tubing: L H Gg .618 % CO₂ % N₂ % H₂S 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	
1.	2"	X	.750"	18		63	18	387	36	387	SIP 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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	9.604		30	.997	1.272	1.003	366
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mct/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____ X X X X X X X X	
2.					Specific Gravity Flowing Fluid _____ X X X X X	
3.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
4.					Critical Temperature _____ R _____ R	
5.						

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	399	159201	48	2304	156897	1.0147	1.0110
2.							
3.							
4.							
5.							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 370$

Absolute Open Flow 370 Mcfd @ 15.025 Angle of Slope e Slope, n 75

Remarks: Produced medium mist of water throughout test. Vented 57 MCF.

Approved By Commission: Conducted By: Fred S. Hamrick Calculated By: B.J. Broughton Checked By: *BAR*