

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

Form C-122
 Revised 9-1-6

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/28/83	
Company Hixon Development Co.				Connection No			
Pool WAW-Fruitland-PC				Formation Pictured Cliffs		Unit Carson	
Completion Date 4/28/83		Total Depth 1329'		Plug Back TD 1288'		Elevation 6282' GLE	
Csg. Size 2-7/8"		Wt. 6.5#		d 2.441		Set At 1313'	
Thq. Size		Wt.		d		Set At	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At n/a	
Producing Thru casing		Reservoir Temp. °F 75 @ TD		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	7 day SI								200		
1.	2" x 3/4"								26		3 hour
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	9.694		38	1.000	1.2910		476
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R	Rate of Flow Q, Mcfd
1.											XXXXXXX
2.											XXXXXXX
3.											
4.											
5.											

NO.	P _i ²	P _w ²	P _r ²	P _e ² - P _w ²
1	1444			43500
2				
3				
4				
5				

(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.0332$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 489$

(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.0279$

Absolute Open Flow 489 Mcfd @ 15.025	Angle of Slope @	Slope, n 0.85
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Remarks:

Approved By Commission:	Conducted By: OMB	Calculated By:	Checked By:
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