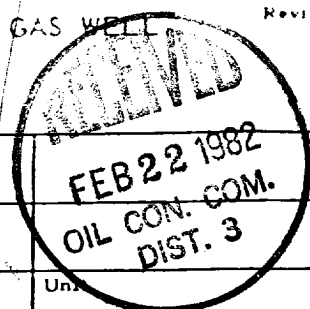


NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 11-6



Type Test: ☒ Initial ☐ Annual ☐ Special						Test Date: 2/12/82	
Company: Hixon Development Company				Connection:			
Pool: WAW-Fruitland-PC				Formation: Pictured Cliffs			
Completion Date: 1/25/82		Total Depth: 1326'		Plug Back TD: 1077'		Elevation: 6092' GLE	
Farm or Lease Name: Chaco Wash Com.							
Csg. Size: 2-7/8"		Wt.: 6.5#		d: 2.441		Set At: 1321'	
Perforations: From 1060' To 1072'							
Thq. Size: 1-1/4"		Wt.: 2.3#		d: 1.380		Set At: 1057'	
Perforations: From Open Ended To							
Type Well - Single - Broadhead - G.C. or G.O. Multiple						Packer Set At	
Single						County: San Juan	
Producing Thru: Tubing		Reservoir Temp. °F: 82°F @ 1072'		Mean Annual Temp. °F:		Baro. Press. - P _a : 12.2	
State: New Mexico							
L: 1057		H: 1060		G _g : 0.600		% CO ₂ :	
% N ₂ :		% H ₂ S:		Prover: XX		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 shut in						183		221		SI 7 days
1.	2" x 1/4"			43		60°F	42	60°F			3 hours
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	1.087		55.2	1.000	1.291	1.005	78
2.							
3.							
4.							
5.							

NO.	R ₁	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	0.09	520	1.45	0.9910	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X 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

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²
1	3047		3047	51335
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0594$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 82$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0502$

Absolute Open Flow: 82 Mcfd @ 15.025	Angle of Slope θ:	Slope, n: 0.85
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Remarks: _____

Approved By Commission:	Conducted By: <i>MLK</i> LDB	Calculated By: MRH	Checked By:
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