

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 8/6/80			
Company Hixon Development Company				Connection Waiting on approval					
Pool WAW-Fruitland-PC				Formation Pictured Cliffs				Unit	
Completion Date 7-10-80		Total Depth 1405'		Plug Back TD 1360'		Elevation 6282' GLE		Farm or Lease Name Virginia State	
Csg. Size 2-7/8"	Wt. 6.5#	d 2.441"	Set At 1386.72'	Perforations: From 1170' To 1180'		Well No. 3			
Tbg. Size 1-1/4"	Wt. 2.3#	d 1.380"	Set At 1216.84'	Perforations: From 1216.84' To open ended		Unit M	Sec. 2	Twp. 25N	Rge. 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At n/a		County San Juan	
Producing Thru tubing		Reservoir Temp. °F 90°F @ 1400'		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L 1217	H 1170	Gg .594	% CO ₂	% N ₂	% H ₂ S	Prover X	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	7 days						203	90°	210		
1.	2" x 3/8"			12			12	73°	80		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	2.213		24	.9877	1.298	1.009	70.8
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	.036	550	1.55	.982					672	354
2.										
3.										
4.										
5.										

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1	576		576.5	48707.5
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.012$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.010$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 71.5 \text{ MCFD}$

RELINQUISHED

AUG 10 1980

OL 100-1000

DET 2

Absolute Open Flow	69.7	Mcfd @ 15.025	Angle of Slope	Slope, n	.85
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		M. Herrington	