

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	
Company Hixon Development Company			Connection Waiting on approval			
Pool WAW-Fruitland-PC			Formation Pictured Cliffs		Unit A	
Completion Date 6/27/80		Total Depth 1800'	Plug Back TD 1423'	Elevation 6281' GLE	Farm or Lease Name Federal 20	
Csg. Size 2-7/8"	Wt. 6.5#	d 2.441	Set At 1752'	Perforations: From 1192' To 1216'	Well No. 1	
Thq. Size 1-1/4"	Wt. 2.3#	d 1.380	Set At 1197'	Perforations: From OPEN ENDED	Unit Sec. Twp. Rge. A 20 25N 12W	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple				Packer Set At no packer	County San Juan	
Producing Thru tubing		Reservoir Temp. °F 90 @ 1300'	Mean Annual Temp. °F	Baro. Press. - P _a 12.00	State New Mexico	
L 1197'	H 1192'	G _g 600	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days								140	60	
1.	2" x 1/4"			14					14	60	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	1.44		26	1.000	1.291	1.013	49
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.32	550	1.54	.974	A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure 671	S.I.A.
5.					Critical Temperature 358	R

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1	676		676	22428
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.03014$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.02556$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 50$

Absolute Open Flow	49	Mcfd @ 15.025	Angle of Slope θ	Slope, n	.85
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: MRH <i>[Signature]</i>	Checked By: <i>[Signature]</i>
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