

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 9-2-78				
Company Dietrich Exploration Company				Connection					
Pool WAW			Formation Pictured Cliffs				Unit		
Completion Date 8-27-78		Total Depth 1400		Plug Back TD 1366		Elevation 6086		Farm or Lease Name Federal 34	
Csg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 1400	Perforations: From 1300 To 1310			Well No. 2		
Thg. Size N/A	Wt.	d	Set At	Perforations: From To			Unit Sec. Twp. Rge. I 34 27N 13W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At N/A		County San Juan		
Producing Thru Casing		Reservoir Temp. °F 80 @		Mean Annual Temp. °F 70		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.62	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2" x 6" x 3/4"		227					227		
1.								5	40°	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	11		17	1.020	1.27	1.001	242
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1.	.025	500	1.37	.999	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
2.					Specific Gravity Separator Gas _____ 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			

P _c 239 P _c ² 57121				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		17	289	56832
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.005$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 243$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 243$

Absolute Open Flow <u>243</u> Mcfd @ 15.025		Angle of Slope @ _____	
Slope, n <u>.85</u>			
Remarks: _____			

Approved By Commission:	Conducted By: C. D. Moore	Calculated By: J. Alexander	Checked By:
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