

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

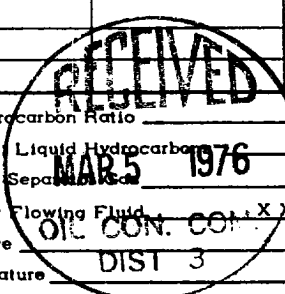
Form C-122
 Revised 5-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special					Test Date	
Company: Horace McKay				Connection: Waiting on pipeline		
Pool: Aztec Pictured Cliffs				Formation: Pictured Cliffs		Unit
Completion Date: 2-18-76		Total Depth: 1881'		Plug Back TD: 1845		Elevation: 5521 KB
Farm or Lease Name: Beardon "A"						
Csg. Size: 2.875	Wt. 6.50	d 2.441	Set At 1881	Perforations: From 1809 To 1831		Well No. 1
Thq. Size: NONE	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. C 19 29N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: NONE		County: San Juan
Producing Thru: Casing		Reservoir Temp. °F: 93 @ 1881		Mean Annual Temp. °F: -		Baro. Press. - P _g : 12.0
State: New Mexico						
L 1881	H 1881	Gg 0.65	% 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									387		10 da.
1.									114		3 hrs.
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	12.365		126	1.0000	0.9608	1.0000	1.497
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon	Deg.
2.					Specific Gravity Separated Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		147	21,609	137,592
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1570$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.695$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1320$

Absolute Open Flow 1,695 Mcfd @ 15.025	Angle of Slope θ	Slope, n 0.85
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Remarks: **Calculated PW = 147**

Approved By Commission:	Conducted By: Hurshal Williams	Calculated By: Ewell N. Walsh	Checked By:
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