

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

Form C-122
 Revised 7-1-65

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
Tbg. Size NONE	Wt.	d	Set At	Perforations: From To	Unit Sec. Twp. Rge. C 19 29N 10W
Type Well - Single - Brodenhead - 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	G _g 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. h _w	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 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 399	P _c ² 159,201			
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				

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

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

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

Absolute Open Flow _____	1,695	Mcfd @ 15.025	Angle of Slope @ _____	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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