

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 7-31-85	
Company BHP Petroleum (Americas) Inc.						Connection	
Pool North Pinon				Formation Fruitland		Unit Gallegos Canyon Unit	
Completion Date 7-21-85		Total Depth 1078		Plug Back TD 1057		Elevation GR 5317'	
Csg. Size 4 1/2		Wt. 10.5		d 4.052		Set At 1078	
Perforations: From 952 To 1005		Well No. 357					
Tbg. Size 2 3/8		Wt. 4.7		d 1.995		Set At 988	
Perforations: From To		Unit A		Sec. 29		Twp. 29N	
Type Well - Single - Fradendhead - G.G. or G.O. Multiple Single		Packer Set At		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L		H		G _g		% 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.	
SI							402		402	
1.			3/4"	174			174		174	
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.1605		186	0.9905	0.9605	1.0141	2541
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio <u>0</u> A.P.I. Gravity of Liquid Hydrocarbons _____ Specific Gravity Separator Gas <u>N/A</u> Specific Gravity Flowing Fluid <u>XXX</u> Critical Pressure _____ Critical Temperature _____
1.					
2.					
3.					
4.					
5.					

P _c <u>414</u>	P _c ² <u>171,396</u>			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		186	34596	136,800
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.253$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3077$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.211$

Absolute Open Flow <u>3077</u> Mcfd @ 15.025	Angle of Slope θ _____	Slope, n <u>0.85</u>
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Remarks: Flow calculation assumes 0.65 gas gravity at 70°F. Fpv is based on A.G.A. Report No. 3.

Approved By Commission:	Conducted By: T. C. Durham	Calculated By: Paul C. Bertoglio	Checked By:
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