

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: 9-26-85	
Company: BHP Petroleum (Americas) Inc.				Connection:	
Pool: North Pinon Fruitland				Fruitland	
Completion Date: 9-26-85		Total Depth: 1670		Elevation: GR-5637	
Csg. Size: 4.5		Set At: 10.5		Well No.: 351	
Tub. Size: 2.375		Set At: 4.7		Unit: P	
Type Well - Single - Brazenhead - G.G. or G.O. Multiple: Single		Packer Set At:		County: San Juan	
Producing Thru Tubing:		Reservoir Temp. °F @:		State: New Mexico	
L:		H:		Prover:	
Gg:		% CO ₂ :		% N ₂ :	
% H ₂ S:		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							460		510	
1.			3/4"	25			20		25	
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		32	0.9905	0.9608	1.0024	432
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons 0.65 _____ Deg.
2.					Specific Gravity Separator Gas 0.65 _____
3.					Specific Gravity Flowing Fluid 0.65 _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 522	P _c ² 272,484		
NO.	P _r ²	P _w ²	P _c ² - P _w ²
1		32	1024
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0038$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 433$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0032$

Absolute Open Flow 433 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.85
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Remarks: Flow calculation assume 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 Bertoglio	Checked By:
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