

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: 8-7-85				
Company: BHP Petroleum (Americas) Inc.						Connection:				
Pool: North Pinon						Formation: Fruitland		Unit: Gallegos Canyon Unit		
Completion Date: 7-30-85			Total Depth: 1300		Plug Back TD: 1238		Elevation: GR-5583'		Farm or Lease Name: Gallegos Canyon Unit	
Csg. Size: 4.5	Wt. 10.5	d 4.052	Set At 1296	Perforations: From 1183 To 1200		Well No. 361				
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 1173	Perforations: From To		Unit Sec. Twp. Rge. B 15 28N 12W				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County		
Single								San Juan		
Producing Thru Tubing			Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State: New Mexico	
L	H	Gg	% 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							495		495		1 day 5
1.			3/4"	170			170		170		3
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		182	0.9905	0.9608	1.0138	2486
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					0.725					
2.										
3.										
4.										
5.										

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
1		182	33124	223925	1.1479	1.1244
2.						
3.						
4.						
5.						

Absolute Open Flow: 2796 Mcfd @ 15.025				Angle of Slope θ : 0.85	
--	--	--	--	--------------------------------	--

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 Bertoglio <i>PCB</i>	Checked By:
-------------------------	----------------------------	--	-------------