NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8-1-85		
Company: BHP Petroleum (Americas) Inc.		Connection:			
Pool: North Pinon		Formation: Fruitland		Unit: Gallegos Canyon Unit	
Completion Date: 7-25-81	Total Depth: 1420	Plug Back TD: 1382	Elevation: GR-5702'	Farm or Lease Name: Gallegos Canyon Unit	
Csg. Size: 4.5 / Wt.: 10.5 / d: 4.052 / Set At: 1420		Perforations: From 1313 To 1328		Well No.: 360	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 1314		Perforations: From To		Unit: D / Sec.: 14 / Twp.: 28N / Rge.: 12W	
Type Well – Single – Bradenhead – 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:	Gg:	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							460		460		7 days
1.			3/4"	140			140		140		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		152	0.9905	0.9608	1.0115	2072
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ____ Deg.
Specific Gravity Separator Gas N/A XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure ____ P.S.I.A.
Critical Temperature ____ R

P_c 472 P_c^2 222,784

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		152	23104	199680
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1157$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0965$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2274$

Absolute Open Flow 2274 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n 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:	Calculated By:	Checked By:
	T. C. Durham	Paul Bertoglio PCB	