

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 8/11/86				
Company BHP Petroleum (Americas) Inc.						Connection				
Pool Basin Dakota						Formation Dakota		Unit		
Completion Date 3/18/86			Total Depth 6400'		Plug Back TD 6365'		Elevation GR 5882		Farm or Lease Name State Gas Com	
Csg. Size 4.5	Wt. 10.5	d 4.052	Set At	Perforations: From 6148 To 6164		Well No. 8 2				
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At	Perforations: From To		Unit K 32 29N 13W				
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		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							1880		1880		104 days
1.			3/4"	150	N/A	70	380		760		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365	N/A	162	0.9905	0.9129	1.0113	1832
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio 50.882 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons 39 Deg.
2.					Specific Gravity Separator Gas N/A 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 1880	P _c ² 3534,400		
NO	P _t ²	P _w	P _w ²
1	26244	380	144400
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0426$$

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

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0318$$

Absolute Open Flow 1890 Mcfd @ 15.025		Angle of Slope 0.75	
Remarks: Recovered 36 BO during test.			

Approved By Commission:	Conducted By: Ernest Cordona	Calculated By: Paul Bertoglio	Checked By:
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