

RECEIVED BY MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

DEC 12 1986

Form C-122
Revised 9-1-63

File

Type Test 4PT	☒ Initial	☐ Special	Test Date 12/5/86	330FSL
Company BHP PETROLEUM Co., Inc.	Connection TO AIR		330FWL	
Pool INDIAN BASIN	Formation UPPER PENN		Unit M	
Completion Date 12/4/86	Total Depth 7415	Plug Back L. 7400	Elevation 3845	Form or Lease Name LOWE STATE
Casing Size 7.000	Wt. 26.0	d 6.276	Set At 7415	Perforations: From 7356 To 7372
Fig. Size 2.375	Wt. 4.7	d 1.995	Set At 7306	Perforations: From OPEN To ENDED
Type Well - Single - Rndnhead - G.G. or G.O. Multiple SINGLE			Packer Set At 7306	County EDDY
Producing Thru TUBING	Reservoir Temp. °F 145	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2	State NEW MEXICO
L 7364	H 7364	G _g 0.626	% CO ₂ 0.52	% N ₂ 0.55
		% H ₂ S 0	Prover 0	Motor Run 3.068
				Taps FLG

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1311	64			24HRS
1.	3.068	1.000	205	3.0	64	1224	64				60MIN
2.	3.068	1.000	220	7.5	72	1169	64				60MIN
3.	3.068	1.000	220	14.0	68	1030	64				60MIN
4.	3.068	1.000	225	26.0	64	888	64				60MIN
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	4.79	25.59	218.2	0.9962	1.2639	1.0201	157
2	4.79	41.82	233.2	0.9887	1.2639	1.0205	255
3	4.79	57.14	233.2	0.9924	1.2639	1.0211	350
4	4.79	78.70	238.2	0.9962	1.2639	1.0220	485
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.32	524	1.44	0.961	0	
2	0.35	532	1.46	0.960	0	
3	0.35	528	1.45	0.959	0.626	XXXXXXX
4	0.35	524	1.44	0.957	0.626	XXXXXXX
5						

P _r 1323.1	P _c 1751	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.8738$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.6333$
NO.	P ₁ ²	P _w ²	P _r ² - P _w ²
1	1236	1529	222
2	1182	1397	354
3	1044	1090	661
4	904	816	934
5			

Absolute Open Flow 792	Mcf/d @ 15.025	Angle of Slope @ 52.0	Slope, n 0.781
Remarks:			
Approved By Commission:	Conducted By: <i>Richard Bentley</i>	Calculated By: <i>Richard Bentley</i>	Checked By:
	<i>Bennett & Cathey Inc.</i>	<i>Bennett & Cathey Inc.</i>	

Post FD-2
1-23-86
comp + OK