

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 4-14-85	
Company Amoco Production Company				Connection	
Pool Bravo Dome Unit, 640 Acre Area				Formation Tubb	
Completion Date 12/13/83		Total Depth 2686		Plug Back TD 2650	
				Elevation 5011	
Csg. Size 7	Wt. 20	d	Set At 2654	Perforations: From 2451 To 2610	
Thg. Size 3.5	Wt. 9.3	d	Set At 2428	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2389	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2531		Mean Annual Temp. °F 50	
				Baro. Press. - P _a 12.2	
L 2531	H 2531	G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0
				Prover	Meter run 4.0
				Taps Flange	

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.	
SI							298			
1.	4.026 x	1.125		284	1 <	52	286	50		
2.	4.026 x	1.125		232	4	55	235	50		24 hr
3.	4.026 x	1.125		210	7	56	213	50		24 hr
4.	4.026 x	1.125		192	14	54	195	50		24 hr
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							40
2							128
3							164
4							220
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	0	1.529	XXXXXX	1072	547
2										
3										
4										
5										

P _r 310.2	P _r ² 96.224	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.924$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.912$
NO	P _r	P _w	P _w ²
1		298.2	7.301
2		247.2	35.116
3		225.2	45.509
4		207.2	53.292
5			

Absolute Open Flow 363.3 Mcfd @ 15.025		Angle of Slope →		Slope, n .99	
Remarks:					
Approved By Commission:		Conducted By:		Calculated By: D. R. White	
				Checked By:	