

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 4-29-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640-Are Area		Formation Tubb	
Completion Date 2/13/81		Total Depth 2636	Plug Back TD 2591
		Elevation GL 4932	Unit BDCDGU
Csg. Size 5.5	Wt. 14	Set At 2637	Perforations: From 2290 To 2528
Thg. Size 2-7/8	Wt. 6.5	Set At 2140	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2109'	Well No. 1934 181JX
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2409	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
L 2409	H 2409	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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4.026 x 2.125			212	29	55	319	50			
2.	4.026 x 2.125			230	22	56	224.2	50			24 hr
3.	4.026 x 2.125			253	15	58	242.2	50			24 hr
4.	4.026 x 2.125			280	7	59	265.2	50			24 hr
5.							292.2	50			24 hr

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow O. Mcfd
1.							1484
2.							1410
3.							1200
4.							889
5.							

NO.	P _t	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	P.S.I.A. R
1.					0	0	1.529	XXXXXX	1072	547	
2.											
3.											
4.											
5.											

P _c 331.2	P _c ² 109.7					
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.846$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.418$
1		224.2		59.439		
2		242.2		51.042		
3		265.2		39.369		
4		292.2		24.317		
5						

ADP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2090$

Absolute Open Flow	2090	Mcfd @ 15.025	Angle of Slope	Slope, n .57
Remarks:				
Approved By Commission:				
Conducted By:		Calculated By:		Cheked By:
		D. D. Kimble		