

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: 5/3/85	
Company: Amoco Production Company				Connection:		
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation: Tubb		Unit: BDCDGU
Completion Date: 11/9/83		Total Depth: 2829'		Plug Back TD: 2750'		Elevation: 4840' GL
Csg. Size: 7"	Wt.: 20#	Set At: 2829'	Perforations: From 2489' To 2576'			Well No.:
Tbg. Size: 3-1/2"	Wt.: 9.3#	Set At: 2460'	Perforations: From To			Unit: M Sec: 25 Twp: 19 Rge: 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2421'		County: Harding
Producing Thru: Tubing		Reservoir Temp. °F: 92 @ 2537'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2
L: 2537'		H: 2537'	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.	
SI										
1.	4.025 x 1.250			269	11	57	276	50		
2.	4.025 x 1.250			253	15	57	254	50		
3.	4.025 x 1.250			225	25	58	227	50		
4.	4.025 x 1.250			269	38	58	202	50		
5.										

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 Q, Mcfd
1							361
2							404
3							494
4							589
5							

NO	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 1.529 X X X X X X X X
3					Specific Gravity Flowing Fluid X X X X X
4					Critical Pressure 1072 P.S.I.A. P.S.I.A.
5					Critical Temperature 547 R R

NO	P _t	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.272$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.272$ $AQF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 820$
1		288.2		65.320	
2		266.2		77.517	
3		239.2		91.162	
4		214.2		102.497	
5					

Absolute Open Flow 820 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 1.0
Remarks: _____			
Approved by Commission:		Conducted By:	Calculated By: D. R. White
			Checked By: