

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 8-20-85	
Company Amoco Production Company				Connection		
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb		Unit BDCDGU
Completion Date 11-28-83		Total Depth 2962		Plug Back TD 2750		Elevation 4670
Csg. Size 7	Wt. 20	d 	Set At 2962	Perforations: From 2470 To 2530		Well No. 1835 301G
Tbg. Size 3.5	Wt. 9.3	d 	Set At 2393	Perforations: From To		Unit Sec. Twp. Rge. G 30 18 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2325		County Union
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2500		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
L 2500		H 2500	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							327			
1.	4.026 x 1.750			214	67	61	214	50		
2.	"			238	36	61	238	"		
3.	"			256	23	61	256	"		
4.	"			275	13	61	275	"		
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							1323
2							1113
3							885
4							713
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ 0 _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ 0 _____ 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

P _c 339.2	P _c ² 115.057	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.72$
NO.	P _t ²	P _w	P _w ²
1		226.2	
2		250.2	
3		268.2	
4		287.2	
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2273$	Absolute Open Flow 2273 _____ Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n .92
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Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By: