

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	
Company Amoco Production Company				Connection		
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area				Formation		Unit BDCDGU
Completion Date 12-15-85		Total Depth 2395		Plug Back TD 2320~		Elevation 4608
Csq. Size 7	Wt. 20	d 	Set At 2374	Perforations: From 2046 To 2220		Well No. 1935 171K
Tbg. Size 3-1/2	Wt. 9.3	d 	Set At 1913	Perforations: From To		Unit Sec. Twp. Rge. K 17 19 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 1883		County Union
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2133		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25
State New Mexico						
L 2133	H 2133	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							354			
1.	4.026 x 3.000			188.1	46	48	200.35	48		
2.	4.026 x 3.000			162.1	66	48	174.35	48		
3.	4.026 x 3.000			136.8	90	47	149.05	47		
4.	4.026 x 3.000			128.5	96.5	46	140.75	46		
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.							4175
2.							4479
3.							4678
4.							4739
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 496 R _____ R

P _c 366.2	P _c ² 134,102	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	200		94,102
2	174		103,826
3	149		111,901
4	141		114,221
5			

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5142$$

Absolute Open Flow 5142 Mcfd @ 15.025

Angle of Slope θ _____ Slope, n .59

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Don Kimble	Checked By:
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