

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 1-10-86		Total Depth 2419		Plug Back TD 2362		Elevation 4655	
Csq. Size 7	Wt. 20	d	Set At 2419	Perforations: From 2159 To 2284		Well No. 2035 331K	
Thq. Size 3-1/2	Wt. 9.3	d	Set At 1971	Perforations: From To		Unit Sec. Twp. Rge. K 33 20 35	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 1940		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25	
L		H	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							308			
1.	4.026 x 2.500			181.5	34.5	46	193.75	46		
2.	4.026 x 2.500			155.2	44.5	46	167.95	46		
3.	4.026 x 2.500			128.2	60	47	140.45	47		
4.	4.026 x 2.500			100.2	82	45	112.45	45		
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							2100
2							2390
3							2490
4							2550
5							

NO.	P _t	Temp. °R	T _r	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 320.2	P _c ² 102,528	
NO.	P _c ²	P _w ²
1	194	64.892
2	167	74.639
3	140	82.928
4	112	89.984
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.14$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2758$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.08$$

Absolute Open Flow 2758 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .60
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Remarks:

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