

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 12-30-85		Total Depth 2222		Plug Back TD 2194		Elevation 4465
Csg. Size 7	Wt. 20	d	Set At 2223	Perforations: From 2077 To 2139		Well No. 1836 061F
Thg. Size 3-1/2	Wt. 9.3	d	Set At 1923	Perforations: From To		Unit Sec. Twp. Rge. F 6 18 36
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Singe				Packer Set At 1892		County Union
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2108		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25
L 2108		H 2108	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							360			
1.	4.026 x 2.500			181.2	12	44	193.45	44		
2.	4.026 x 2.500			151.8	16	46	164.05	46		
3.	4.026 x 2.500			122.0	22	46	134.25	46		
4.	4.026 x 2.500			93.3	30.5	47	105.55	47		
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.							1327
2.							1403
3.							1484
4.							1535
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					0	
2.						
3.						
4.						
5.						

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas 1.529 X X X X X X X X Specific Gravity Flowing Fluid X X X X X Critical Pressure 1072 P.S.I.A. P.S.I.A. Critical Temperature 496 R R			
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P _c 372.2 P _c ² 138,532 NO. P _t ² P _w P _w ² P _c ² - P _w ² 1 193.5 101.090 2 164 111.636 3 134 120.577 4 105.6 127.381 5	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.08$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.05$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1611$
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Absolute Open Flow	1611	Mcf/d @ 15.025	Angle of Slope @	Slope, n .63
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Remarks:			
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Approved By Commission:	Conducted By:	Calculated By: Don Kimble	Checked By:
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