

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 6-9-85	
Company Amoco Production Company				Connection		
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb		Unit BDCDGU
Completion Date 5-10-81		Total Depth 2557'		Plug Back TD 2504'		Elevation 4475' GL
Csg. Size 5-1/2"	Wt. 14#	d	Set At 2557'	Perforations: From 2015' To 2120'		Well No. 1935 341J
Thg. Size 2-7/8"	Wt.	d	Set At 2076	Perforations: From To		Unit Sec. Twp. Hye. J 24 19 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 1983'		County Union
Producing Thru Tubing		Reservoir Temp. °F @ 2067'		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
L 2067'		H 2067'	Gg 1,529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0
				Prover	Meter Run 40"	Taps Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							318			
1.	4.026 x 2.25			258	18	61	270.2	50		
2.	4.026 x 2.25			270	12	60	282.2	50		
3.	4.026 x 2.25			292	3	59	304.2	50		
4.	4.026 x 2.25			317	1	55	329.2	50		
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							1548
2							1261
3							681
4							
5							

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

P _c 330.2	P _c ² 109.0
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NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.027$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.027$
1		270.2		36.024		
2		282.2		29.395		
3		304.2		16.494		
4		329.2		.659		
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4685$

Absolute Oper. Flow 4685 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 1.0
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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