

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 4-23-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation Tubb	
Completion Date 12-31-80		Total Depth 2643	Plug Back TD 2350
Elevation 4887		Farm or Lease Name	
Csg. Size 5.5	Wt. 14	Set At 2643	Perforations: From 2280 To 2533
Well No. 1934 041K			
Tng. Size 2-7/8	Wt. 6.5	Set At 2503	Perforations: From To
Unit K	Sec. 04	Twp. 19	Rge. 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2255	County Union
Producing Thru Tubing	Reservoir Temp. °F 90° @ 2407	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
State New Mexico			
L 2407	H 2407	G _g 1.529	% CO ₂ 100
% N ₂ 0	% H ₂ S	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							329			
1.	4.026 x 2.125			208	56	56	220.2	50		
2.	4.026 x 2.125			240	33	60	252.2	50		
3.	4.026 x 2.125			250	30	60	262.2	50		
4.	4.026 x 2.125			278	17	61	290.2	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							1994
2							1675
3							1622
4							1300
5							

NO.	P _r	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 _____ 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.
5.					Critical Temperature _____ 547 R

P _c 341.2	P _c ² 116.41
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NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.07$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.89$
1		220.2		67.929		
2		252.2		52.813		
3		262.2		47.669		
4		290.2		32.201		
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3779$

Absolute Open Flow 3779 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .57
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Remarks: _____

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