

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 1-2-86		Total Depth 2450		Plug Back TD 2399		Elevation 4690		Farm or Lease Name	
Csg. Size 7	Wt. 20	d	Set At 2450	Perforations: From 2192 To 2312		Well No. 2034 131K			
Thq. Size 3-1/2	Wt. 9.3	d	Set At 2034	Perforations: From To		Unit K	Sec. 13	Twp. 20	Rge. 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2003		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2252		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		State New Mexico	
L 2252	H 2252	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							318			
1.	4.026 x 2.500			180.1	4.5	52	192.35	52		
2.	4.026 x 2.500			151.1	6	56	163.35	56		
3.	4.026 x 2.500			120.5	8	58	132.75	58		
4.	4.026 x 2.500			95.2	12	58	107.45	58		
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							813
2							886
3							912
4							966
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 XXXXXXXXXX
3					Specific Gravity Flowing Fluid XXXXX
4					Critical Pressure 1072 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 496 R _____ R

P _c 330.2 P _c ² 109,032				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		192		72.168
2		163		82.463
3		133		91.343
4		107		97.583
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.11$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.06$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1032$$

Absolute Open Flow 1032 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .60
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Remarks: _____

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