

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 4-19-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation Tubb	
Completion Date 11-28-83		Total Depth 2608	Plug Back TD 2600
Elevation 4888		Farm or Lease Name	
Csg. Size 7"	Wt. 20	Set At 2608	Perforations: From 2336 To 2416
Tbg. Size 3.5	Wt. 9.3	Set At 2310	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2279	Well No. 2033 261G
Producing Thru Tubing		Reservoir Temp. °F 90° @ 2376	Mean Annual Temp. °F 50
Baro. Press. - P <sub>a</sub> 12.2		Unit Sec. Twp. Rge. G 26 20 33	
County Harding		State New Mexico	
L 2376	H 2376	G <sub>g</sub> 1.529	% CO <sub>2</sub> 100
Prover		% N <sub>2</sub> 0	% H <sub>2</sub> S 0
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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F		Press. p.s.i.g.
SI							276			
1.	4.026 x 1.125			218	23	62	230.2	50		
2.	4.026 x 1.125			219	23	57	231.2	50		24 hr.
3.	4.026 x 1.125			242	11	56	255.2	50		24 hr.
4.	4.026 x 1.125			266	3	54	278.2	50		24 hr.
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1							373
2							369
3							273
4							160
5							

NO.	P <sub>t</sub>	Temp. °R	T <sub>r</sub>	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 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 _____ 547 R _____ R

P <sub>c</sub> 288.2	P <sub>c</sub> <sup>2</sup> 83.059	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.76$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.68$		
NO.	P <sub>t</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	AOF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 619$
1		230.2		30.067	
2		231.2		29.606	
3		255.2		17.932	
4		278.2		5.664	
5					

Absolute Open Flow 619 Mcfd @ 15.025    Angle of Slope  $\theta$  \_\_\_\_\_    Slope, n .51

Remarks: \_\_\_\_\_

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