

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 2662		Plug Back TD 2600-		Elevation 4875		Farm or Lease Name	
Csq. Size 7	Wt. 20	d	Set At 2656	Perforations: From 2286 To 2510		Well No. 2034 321G			
Tbg. Size 3-1/2	Wt. 9.3	d	Set At 2120	Perforations: From To		Unit G	Sec. 32	Twp. 20	Rge. 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2097		County Union			
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2398		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		State New Mexico	
L 2398	H 2398	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							293			
1.	4.026 x 3.000			197.2	42	47	209.45	47		
2.	4.026 x 3.000			172.5	54	45	184.75	45		
3.	4.026 x 3.000			151.3	72	52	163.55	52		
4.	4.026 x 3.000			110.4	98	48	122.65	48		
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							3209
2							3610
3							4070
4							4404
5							

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

P _c 305.2 P _c ² 93.147		A.P.I. Gravity of Liquid Hydrocarbons		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.	
				Critical Temperature 496		R	

NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1		209		49.466
2		184		59.291
3		163		66.578
4		122		78.263
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.19$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.13$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4975$

Absolute Open Flow	4975	Mcf/d @ 15.025	Angle of Slope	70
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Remarks:

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