

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: 7-11-87	
Company: Amoco Production Company				Connection:	
Pool: Bravo Dome				Formation: Tubb	
Completion Date: 3-15-82		Total Depth: 2597		Plug Back TD: 2400	
Elevation: 4735		Farm or Lease Name:			
Csq. Size: 5-1/2	Wt.: 14#	d: 4.9	Set At: 2597	Perforations: From 2160 To 2359	
Well No.: 2034-151G					
Tq. Size: 2.875	Wt.: 6.4	d: 2.441	Set At: 2100	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2100	
Producing Thru Tubing				Baro. Press. - P _g : 12.25	
Reservoir Temp. °F: 90				Mean Annual Temp. °F: 50	
County: Union					
State: New Mexico					
L	H	G _g	% 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										
1.	4.026 x 2.125			188	27	61°	284	60°		
2.	4.026 x 2.125			200	22	60°	188	61°	0	
3.	4.026 x 2.125			220	13	61°	200	60°	0	
4.	4.026 x 2.125			240	5	61°	219	61°	0	
5.							238	61°	0	

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.							1496
2.							1228
3.							1049
4.							712
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio: 0 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons: _____ Deg.
2.					Specific Gravity Separator Gas: 1.529
3.					Specific Gravity Flowing Fluid: X X X X X
4.					Critical Pressure: 1072 P.S.I.A.
5.					Critical Temperature: 496 R

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.8413$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.8413$ AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2755$
1.		200.25	40,100	47,664	
2.		212.25	45,050	42,714	
3.		231.25	53,476	34,228	
4.		250.25	62,625	25,139	

Absolute Open Flow: 2755 Mcfd @ 15.025		Angle of Slope θ: 45	Slope, n: 1.0
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Remarks: Test was run from a low flowing tubing pressure to a high flowing tubing pressure to minimize liquid loading effects.

Approved by Commission:	Conducted By: RANDY MAHANNAH	Calculated By: RICHARD ROETH	Checked By:
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