

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				Connector					
Pool Bravo Dome Carbon Dioxide				Formation Tubb				Unit BDCDGU	
Completion Date 12-27-83		Total Depth 2606		Plug Back TD 2560		Elevation 4883		Farm or Lease Name	
Csg. Size 7	Wt. 20	Set At 2606	Perforations: From 2292 To 2490		Well No. 2034 061G				
Tub. Size 3.5	Wt. 9.3	Set At 2162	Perforations: From To		Unit G 06 20 34				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2131		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90° 2391		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico	
L 2391	H 2391	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							307			
1.	4.026 x 2.5			194	50	58	206.2	50		
2.	4.026 x 2.5			218	36	60	230.2	50		24 hr.
3.	4.026 x 2.5			243	23	60	255.2	50		24 hr.
4.	4.026 x 2.5			268	12	61	280.2	50		24 hr.
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							2853
2							2484
3							2100
4							1630
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					0	0	1.529	X X X X X X X X	1072	547
2										
3										
4										
5										

P _c 319.2	P _c ² 101.889	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.72$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.38$
NO.	P _r ²	P _w	P _w ²
1		206.2	59.370
2		230.2	48.897
3		255.2	36.762
4		280.2	23.377
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3945$

Absolute Open Flow 3945 Mcfd @ 15.025

Angle of Slope θ _____

Slope, n .60

Remarks: _____

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