

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 Tubb		Unit BDCDGU	
Completion Date 4/30/81		Total Depth 2669'		Plug Back TD 2615'		Elevation 4965 GL		Farm or Lease Name	
Csg. Size 5-1/2"	Wt. 14#	d	Set At 2665'	Perforations: From 4344' To 2540'		Well No. 1933 111G			
Tbg. Size 2-7/8"	Wt. 6.5#	d	Set At 2205'	Perforations: From To		Unit G	Sec. 11	Twp. 19	Rye. 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2288'		County Harding	
Producing Thru Tubing		Reservoir Temp. °F 90° 2442'		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico	
L 2442	H 2442	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							316			
1.	4.026 x 1.875			278	13	60	283	50		
2.	4.026 x 1.875			257	22	60	258	50		24hr
3.	4.026 x 1.875			240	30	59	241	50		"
4.	4.026 x 1.875			223	37	58	224	50		"
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							899
2							1133
3							1289
4							1371
5							

NO.	P _t	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		1072	547
2										
3										
4										
5										

P _c 328.2	P _c ² 107.715	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.470$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.572$
NO	P _t	P _w	P _w ²
1		295.2	20.572
2		270.2	34.707
3		253.2	43.605
4		236.2	51.925
5			

Absolute Open Flow 2026 Mcfd @ 15.025		Angle of Slope θ	Slope, n .50
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. R. White	Checked By: