

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 4-23-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb	
Completion Date 3-29-81		Total Depth 2610	Plug Back TD 2557
Elevation 4870		Farm or Lease Name	
Csg. Size 5.5	Wt. 14	Set At 2610	Perforations: From 2240 To 2497
Well No. 1934 091K			
Tbg. Size 2-7/8	Wt. 6.5	Set At 2092	Perforations: From To
Unit K	Sec. 09	Twp. 19	Rge. 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2061	County Union
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2369	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
State New Mexico			
L 2369	H 2369	Gg 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.		Temp. °F
SI							346				
1.	4.026 x 2.00			197	40	55	209.2	50			24 hr
2.	4.026 x 2.00			242	24	61	254.2	50			24 hr
3.	4.026 x 2.00			264	20	60	276.2	50			24 hr
4.	4.026 x 2.00			301	10	62	313.2	50			24 hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1501
2							1252
3							1164
4							899
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	X X X X X	1072	547
2										
3										
4										
5										

P _c 358.2	P _c ² 128.307	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.517$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.23$
NO	P _t ²	P _w	P _w ²
1		209.2	84.543
2		254.2	63.690
3		276.2	52.021
4		313.2	30.213
5			

Absolute Open Flow 1849 Mcfd @ 15.025		Angle of Slope θ	Slope, n .50
Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		D. D. Kimble	