

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 11/21/83		Total Depth 2628'		Plug Back TD 2500'		Elevation 4904.0 GL	
Csg. Size 7"	Wt. 20#	d	Set At 2628	Perforations: From 2310' To 2423'		Well No. 1933 021G	
Tbg. Size 3-1/2"	Wt. 9.3#	d	Set At 2289'	Perforations: From To		Unit Sec. Twp. Rge. G 2 19 33	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2258'		County Harding	
Producing Thru Tubing		Reservoir Temp. °F 87° @ 2366'		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
State New Mexico							
L 2366'	H 2366'	Gg 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0	Prover	Meter Run 4.0
Taps							

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.		Temp. °F
SI							308				
1.	4.026 x 1.875			288	2	61	293	50			24 hr
2.	4.026 x 1.875			266	9	63	271	50			"
3.	4.026 x 1.875			246	20	63	252	50			"
4.	4.026 x 1.875			224	36	63	230	50			"
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							405
2							740
3							1059
4							1375
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	XXXXXX	1072	547
2								XXXXXX		
3										
4										
5										

P _c 320.2	P _c ² 102.528	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.337$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.165$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		305.2		9.381
2		283.2		22.326
3		264.2		32.726
4		242.2		43.867
5				

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2977$	
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Absolute Open Flow 2977 Mcfd @ 15.025	Angle of Slope θ	Slope, n .910
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Remarks:			
Approved by Commission:	Conducted By:	Calculated By: D. R. White	Checked By: