

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			
Completion Date 3-9-81		Total Depth 2660'		Plug Back TD 2605'		Elevation 4922' G.L.		Unit BDCDGU	
Csq. Size 5 1/2"	Wt. 14#	d	Set At 2662'	Perforations: From 2272' To 2524'		Well No. 1933 131J			
Thq. Size 2-3/8"	Wt. 4.7#	d	Set At 2242'	Perforations: From To		Unit Sec. Twp. Rye. J 13 19 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2242' Stg. Nipple		County Union <i>Harding</i>	
Producing Thru Tubing		Reservoir Temp. °F 97° @ 2398'		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico	
L 2398'	H 2398'	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							319			
1.	4.026	x	2.000	287	7	59	287	50		
2.	"		"	264	16	58	264	50		24hr
3.	"		"	242	24	57	242	50		"
4.	"		"	218	34	56	218	50		"
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							804
2							1130
3							1323
4							1513
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 1.529 XXXXXXXXXX
3					Specific Gravity Flowing Fluid XXXXX
4					Critical Pressure 1072 P.S.I.A. P.S.I.A.
5					Critical Temperature 547 R R

P _c 331.2	P _c ² 109.693	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.935$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.444$
NO.	P _t ²	P _w	P _w ²
1		299.2	20.173
2		276.2	33.407
3		254.2	45.076
4		230.2	56.701
5			

Absolute Open Flow 2185 Mcfd @ 15.025		Angle of Slope θ	Slope, n .557
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. R. White	Checked By: