

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		Total Depth 2698'		Plug Back TD 2656'		Elevation 4964' GL		Farm or Lease Name	
Csg. Size 5-1/2"	Wt. 14#	d	Set At 2699'	Perforations: From 2308' To 2449'		Well No. 1933 141G			
Trg. Size 2-7/8"	Wt. 6.5#	d	Set At 2158'	Perforations: From To		Unit Sec. Twp. Rge. G 14 19 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2255'		County Harding	
Producing Thru Tubing		Reservoir Temp. °F 89° @ 2378'		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2		State New Mexico	
L 2378'	H 2378'	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							318			
1.	4.026 x 2.125			279	13	58	283	50		
2.	4.026 x 2.125			260	21	58	264	50		24hr
3.	4.026 x 2.125			240	28	57	245	50		"
4.	4.026 x 2.125			220	38	55	225	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							1210
2							1458
3							1649
4							1818
5							

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

P _c 330.2	P _c ² 109.032	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.800$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.342$
NO.	P _t ²	P _w	P _w ²
1		295.2	21.889
2		276.2	32.746
3		257.2	42.880
4		237.2	52.768
5			

Absolute Open Flow 2439 Mcfd @ 15.025		Angle of Slope θ	Slope, n .50
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: D. R. White	Checked By: