

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 9-17-85	
Company Amoco Production Company				Connection		
Pool Bravo Dome Carbon Dioxide Gas Formation Unit 640 Acre Area				Unit BDCDGU		
Completion Date 12-21-83		Total Depth 2855		Plug Back TD 2750		Elevation 4815
Csq. Size 7	Wt. 20#	d 	Set At 2855	Perforations: From 2490 To 2592		Well No. 1833 011 G
Tbg. Size 3-1/2	Wt. 9.3#	d 	Set At 2455	Perforations: From To		Unit Sec. Twp. Rge. G 1 18 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2423		County Harding
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2541		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
L 2541	H 2541	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							313			
1.	4.026 x 1.75			178	38	59	178	50		
2.	" "			197	28	60	197	"		
3.	" "			214	19	59	214	"		
4.	" "			242	12	60	242	"		
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							1077
2							984
3							808
4							739
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mct/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas 1.529 XXXXXXXXX
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 325.2	P _c ² 105.755	
NO.	P _i ²	P _w ²
1	190.2	69.579
2	209.2	61.990
3	226.2	54.589
4	254.2	41.137
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.52$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1456$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.35$

Absolute Open Flow 1456 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .72
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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