

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 8-27-85	
Company Amoco Production Company			Connection		
Pool Bravo Dome Carbon Dioxide Gas Formation Unit 640 Arce Area			Tubb		Unit BDCDGU
Completion Date 4-14-81		Total Depth 2707	Plug Back TD 2637	Elevation 5020	Farm or Lease Name
Csg. Size 5.5	Wt. 14	Set At 2707	Perforations: From 2440 To 2622		Well No. 2033 101 F
Thq. Size 2-7/8	Wt. 6.5	Set At 2304	Perforations: From To		Unit Sec. Twp. Rge. F 10 20 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At 2273		County Harding
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2531	Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
L H Gg % CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps		New Mexico			
2531 2531		1.529 100 0 0		4.0 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.		Temp. °F
1.	4.026 x 1.625			197	73	61	365	197	50		24 hr.
2.	"		"	215	38	62	215	"			"
3.	"		"	239	28	61	239	"			"
4.	"		"	263	4	60	263	"			"
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.							1102
2.							869
3.							746
4.							359
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/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 377.2 P _c ² 142.280		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.44$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.44$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1586$
1		209.2		98.515	
2		227.2		90.660	
3		251.2		79.178	
4		275.2		66.545	
5					

Absolute Open Flow 1586 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .99
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By: