NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 8-26-85

Company: Amoco Production Company	Connection:		
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area	Formation: Tubb		Unit: BDCDGU
Completion Date: 12-12-83	Total Depth: 2790	Plug Back TD: 2747	Elevation: 4740
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2790	Perforations: From 2458 To 2510		Well No.: 1833 151G
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2418	Perforations: From To		Unit: G / Sec.: 15 / Twp.: 18 / Rge.: 33
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: 2378		County: Harding
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2484	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.2
			State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2484	2484	1.529	100	0	0		4.0	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					298				
1.	4.026 x 1.375	198	19	59	178	50			24 hr
2.	4.026 x 1.375	199	12	60	199	50			24 hr
3.	4.026 x 1.375	216	7	58	216	50			24 hr
4.	4.026 x 1.375	234	4	58	234	50			24 hr
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							
2.							483
3.							411
4.							338
5.							272

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 0 Deg.
Specific Gravity Separator Gas 1.529 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 1072 P.S.I.A. ____ P.S.I.A.
Critical Temperature 547 R ____ R

P_c 310.2 P_c^2 96.224

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		190.2		60.048
2		211.2		51.619
3		228.2		44.149
4		246.2		35.610
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.60$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.60$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 773$

Absolute Open Flow 773 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n 1.00

Remarks:

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