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: 10-28-83	Total Depth: 2810		Plug Back TD: 2761	Elevation: 4820	Farm or Lease Name:
Csg. Size: 7 / Wt.: / d: / Set At: 2797			Perforations: From 2211 To 2382		Well No.: 1934 341G
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2161			Perforations: From To		Unit: G / Sec.: 34 / Twp.: 19 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 2123		County: ~~Harding~~ Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2297	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
2297	2297	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					316.0				
1.	4.026 x 2.625	179	46	50	179	50			24 hr
2.	4.026 x 2.625	199	34	51	199	50			24 hr
3.	4.026 x 2.625	223	22	51	223	50			24 hr
4.	4.026 x 2.625	245	14	52	245	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.							2973
3.							2695
4.							2315
5.							1927

NO.	P_r	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 328.2 P_c^2 107.715

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		191.2		71.158
2		211.2		63.110
3		235.2		52.396
4		267.2		36.319
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.51$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.30$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3876$

Absolute Open Flow 3876 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .64

Remarks:

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