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: 4-23-85

Company: Amoco Production Company	Connection:			
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area	Formation: Tubb			Unit: BDCDGU
Completion Date: 11-10-83	Total Depth: 2678	Plug Back TD: 2612	Elevation: 4968	Farm or Lease Name:
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2678	Perforations: From 2356 To 2555			Well No.: 1933 011G
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2336	Perforations: From To			Unit: G / Sec.: 01 / Twp.: 19 / Rge.: 33
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2305		County: Harding
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ 2456	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
2456	2456	1.529	100	0	0		4.0	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					308				
1.	4.026 x 1.875	244	59	59	236.2	50			24 hr.
2.	4.026 x 1.875	251	27	63	263.2	50			24 hr.
3.	4.026 x 1.875	270	12	61	282.2	50			24 hr.
4.	4.026 x 1.875	290	3	63	302.2	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							1702
2							1242
3							868
4							409
5							

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 320.2 P_c^2 102.528

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		236.2		46.738
2		263.2		33.254
3		282.2		22.891
4		302.2		11.203
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.19$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.19$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3734$

Absolute Open Flow 3734 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n 1.0

Remarks:

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