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	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
12-5-80	2672	2628	4586	

Csg. Size	Wt.	d	Set At	Perforations	Well No.
4-1/2	9.5		2670	From 2274 To 2450	2034 331K
Tbg. Size	**Wt.**	**d**	**Set At**	**Perforations**	**Unit / Sec. / Twp. / Rge.**
2-3/8	4.7		2237	From To	K / 33 / 20 / 34

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single — Packer Set At: 2237 — County: Union

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	90° @ 2362	50	12.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2362	2362	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					289				
1.	4.026 x 1.625	195	37	59	207.2	50			24 hr.
2.	4.026 x 1.625	223	35	63	235.2	50			24 hr.
3.	4.026 x 1.625	236	28	61	248.2	50			24 hr.
4.	4.026 x 1.625	261	16	62	273.2	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							1165
2							976
3							907
4							717
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 301.2 P_c^2 90.721

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		207.2		47.790
2		235.2		35.402
3		248.2		29.118
4		273.2		16.083
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.90$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.33$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1555$

Absolute Open Flow 1555 Mcfd @ 15.025 — Angle of Slope θ ____ — Slope, n .45

Remarks:

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