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	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
1-31-84	2957	2898	4887	

Csg. Size	Wt.	d	Set At	Perforations	Well No.
7	20		2957	From 2558 To 2620	1934 311G

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
3.5	9.3		2524	From To	G	31	19	34

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single — Packer Set At: 2485 — County: Union

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	90 @ 2589	50	12.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2589	2589	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					296				
1.	4.026 x 1.625	171	31	59	171	50			24 hr
2.	4.026 x 1.625	196	22	60	196	50			24 hr
3.	4.026 x 1.625	223	14	60	223	50			24 hr
4.	4.026 x 1.625	246	9	60	246	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							821
2.							741
3.							637
4.							530
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 308.2 P_c^2 94.987

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		183.2		61.425
2		208.2		51.640
3		235.2		39.668
4		258.2		28.320
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.55$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.28$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1053$

Absolute Open Flow 1053 Mcfd @ 15.025 — Angle of Slope θ ____ — Slope, n .57

Remarks:

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