NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: XX Initial ☐ Annual ☐ Special			Test Date: 9-24-85	
Company: Amoco Production Company		Connection:		
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb		Unit: BDCDGU
Completion Date: 3-14-84	Total Depth: 2570	Plug Back TD: 2500	Elevation: 4733	Farm or Lease Name:
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2277		Perforations: From 2106 To 2359		Well No.: 1934 262 G
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2086		Perforations: From To		Unit: G / Sec.: 26 / Twp.: 19 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2024		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2233	Mean Annual Temp. °F: 50	Baro. Press. – P_a:	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2233	2233	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					337				
1.	4.026 x 2.50	195	56	55	195	50			24 hr.
2.	" "	217	40	56	217	"			"
3.	" "	226	34	57	226	"			"
4.	" "	255	18	58	255	"			"
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							2925
2.							2616
3.							2183
4.							1995
5.							

NO.	P_t	Temp. °R	T_f	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 349.2 P_c^2 121.941

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		207.2		79.009
2		229.2		69.408
3		238.2		65.201
4		267.2		50.545
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.54$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.45$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4248$

Absolute Open Flow 4248 Mcfd @ 15.025 | Angle of Slope θ | Slope, n .86

Remarks:

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