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: 4-19-85	
Company: Amoco Production Company		Connection			
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb		Unit: BDCDGU	
Completion Date: 12-16-82	Total Depth: 2526	Plug Back TD: 2505	Elevation: 4840	Farm or Lease Name:	
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2526		Perforations: From 2233 To 2476		Well No.: 2034-291 G	
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2087		Perforations: From To		Unit: G / Sec.: 29 / Twp.: 20 / Rge.: 34	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2056		County: Union	
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2355	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
2355	2355	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						296				
1.	4.026	x 2.00	213	23	60	225.2	50			24 hr.
2.	4.026	x 2.00	224	19	58	236.2	50			24 hr.
3.	4.026	x 2.00	247	11	59	259.2	50			24 hr.
4.	4.026	x 2.00	271	5	58	283.2	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							1205
2							1144
3							915
4							645
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	P_w	P_w^2	$P_c^2 - P_w^2$
1		225.2		44.272
2		236.2		39.197
3		259.2		27.803
4		283.2		14.785
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.14$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.54$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1862$

Absolute Open Flow 1862 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .57

Remarks:

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