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: 8-27-85	
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Arce Area		Formation: Tubb			Unit: BDCDGU
Completion Date: 4-14-81	Total Depth: 2707	Plug Back TD: 2637		Elevation: 5020	Farm or Lease Name:
Csg. Size: 5.5 / Wt.: 14 / d: / Set At: 2707		Perforations: From 2440 To 2622			Well No.: 2033 101 F
Tbg. Size: 2-7/8 / Wt.: 6.5 / d: / Set At: 2304		Perforations: From To			Unit: F / Sec.: 10 / Twp.: 20 / Rge.: 33
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2273			County: Harding
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2531	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
2531	2531	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					365				
1.	4.026 x 1.625	197	73	61	197	50			24 hr.
2.	" "	215	38	62	215	"			"
3.	" "	239	28	61	239	"			"
4.	" "	263	4	60	263	"			"
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							1102
2.							869
3.							746
4.							359
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 377.2 P_c^2 142.280

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		209.2		98.515
2		227.2		90.660
3		251.2		79.178
4		275.2		66.545
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.44$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.44$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1586$

Absolute Open Flow 1586 Mcfd @ 15.025 Angle of Slope θ Slope, n .99

Remarks:

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