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: 4-9-85	
Company: Amoco Production Company	Connection:			
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area	Formation: Tubb		Unit: BDCDGU	
Completion Date: 3-25-81	Total Depth: 3132	Plug Back TD: 3010	Elevation: 4810	Farm or Lease Name:
Csg. Size: 5-1/2 / Wt.: 14 / d: / Set At: 3132	Perforations: From 2354 To 2433			Well No.: 2134 341K
Tbg. Size: 2-7/8 / Wt.: 6.5 / d: / Set At: 2212	Perforations: From To			Unit: K / Sec.: 34 / Twp.: 21 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2181		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ 2394	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
2394	2394	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					295				
1.	4.026 x 1.5	205	47	58	217.2	50			24 hr.
2.	4.026 x 1.5	225	32	60	237.2	50			24 hr.
3.	4.026 x 1.5	252	13	59	264.2	50			24 hr.
4.	4.026 x 1.5	287	1	52	299.2	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							926
2							801
3							550
4							115
5							

NO.	P_t	Temp. °R	T_t	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 307.2 P_c^2 94.372

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		217.2		47.196
2		237.2		38.108
3		264.2		24.570
4		299.2		4.851
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.00$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.89$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1752$

Absolute Open Flow 1752 Mcfd @ 15.025 Angle of Slope θ Slope, n .92

Remarks:

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