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: 4-23-85	
Company: Amoco Production Company	Connection:			
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area	Formation: Tubb		Unit: BDCDGU	
Completion Date: 12-31-80	Total Depth: 2650	Plug Back TD: 2597	Elevation: 4915	Farm or Lease Name:
Csg. Size: 5.5 / Wt.: 14 / d: / Set At: 2650	Perforations: From 2298 To 2552			Well No.: 1934 061G
Tbg. Size: 2-7/8 / Wt.: 6.5 / d: / Set At: 2104	Perforations: From To			Unit: G / Sec.: 06 / Twp.: 19 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2118		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ 2425	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
2425	2425	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					310				
1.	4.026 x 2.125	209	32	59	221.2	50			24 hr.
2.	4.026 x 2.125	242	13	64	235.2	50			24 hr.
3.	4.026 x 2.125	265	5	61	277.2	50			24 hr.
4.	4.026 x 2.125	293	1	66	305.2	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							
2.							1567
3.							1105
4.							720
5.							

NO.	P_r	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 322.2 P_c^2 103.813

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		221.2		54.883
2		235.2		48.494
3		277.2		26.973
4		305.2		10.666
5				

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2964$

Absolute Open Flow 2964 Mcfd @ 15.025 Angle of Slope θ Slope, n 1.00

Remarks:

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