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: 6-14-85

Company: Amoco Production Company	Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area	Formation: Tubb			Unit: BDCDGU
Completion Date: 12-02-83	Total Depth: 2646'	Plug Back TD: 2550'	Elevation: 4483' GL	Farm or Lease Name:
Csg. Size: 7" / Wt.: 20# / d: / Set At: 2646'	Perforations: From 2046' To 2166'			Well No.: 1935 361G
Tbg. Size: 3-1/2" / Wt.: 9.3# / d: / Set At: 2004'	Perforations: From To			Unit: G / Sec.: 26 / Twp.: 19 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 1974'		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 85° @ 2106'	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
2106'	2106'	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					312				
1.	4.026 x 2.00	265	23	61	277.2	50			24 hrs
2.	4.026 x 2.00	278	13	61	290.2	50			24 hrs
3.	4.026 x 2.00	299	3	62	311.2	50			24 hrs
4.	4.026 x 2.00	322	1	63	322.2	50			24 hrs
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							1318
2.							759
3.							382
4.							
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 324.2 P_c^2 104.976

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		277.2		28.136
2		290.2		20.760
3		311.2		8.131
4		322.2		1.163
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.73$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.682$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4853$

Absolute Open Flow 4853 Mcfd @ 15.025 — Angle of Slope θ ____ — Slope, n .99

Remarks:

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