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: 8-20-85	
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb			Unit: BDCDGU
Completion Date: 11-28-83	Total Depth: 2962	Plug Back TD: 2750		Elevation: 4670	Farm or Lease Name:
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2962		Perforations: From 2470 To 2530			Well No.: 1835 301G
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2393		Perforations: From To			Unit: G / Sec.: 30 / Twp.: 18 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2325			County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2500	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
2500	2500	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					327				
1.	4.026 x 1.750	214	67	61	214	50			24 hr.
2.	" "	238	36	61	238	"			"
3.	" "	256	23	61	256	"			"
4.	" "	275	13	61	275	"			"
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							1323
2.							1113
3.							885
4.							713
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 339.2 P_c^2 115.057

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		226.2		63.890
2		250.2		52.457
3		268.2		43.125
4		287.2		32.572
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.72$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2273$

Absolute Open Flow 2273 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .92

Remarks:

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