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:

Company: Amoco Production Company — Connection:

Pool: Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area — Formation:

Unit: BDCDGU

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
11-7-85	2683	2653	5022	

Csg. Size	Wt.	d	Set At	Perforations	Well No.
7	20		2683	From 2395 To 2624	2133 311G
Tbg. Size	Wt.	d	Set At	Perforations	Unit / Sec. / Twp. / Rge.
3-1/2	9.3		2256	From To	G / 31 / 21 / 33

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single — Packer Set At: 2225 — County: Harding

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	90 @ 2510	50	12.25	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2510	2510	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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI									
1.	4.026 x 3.000	184.0	30	47	307				
2.	4.026 x 3.000	160.5	39	48	196.25	47			1.5
3.	4.026 x 3.000	135.0	54	47	172.75	48			1.5
4.	4.026 x 3.000	106.0	81	44	147.25	47			1.5
5.					118.25	44			1.5

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.							3150
3.							3500
4.							3746
5.							3972

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 ____ 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 496 R ____ R

P_c 319.2 P_c^2 101.888

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		196		63.473
2		172		72.304
3		147		80.280
4		118		87.965
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.16$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.11$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4409$

Absolute Open Flow 4409 Mcfd @ 15.025 — Angle of Slope θ ____ — Slope, n .71

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Don Kimble	