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: 4-29-85

Company: Amoco Production Company — Connection:

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

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
2/13/81	2636	2591	4932 GL	

Csg. Size	Wt.	d	Set At	Perforations	Well No.
5.5	14		2637	From 2290 To 2528	1934 181J X
Tbg. Size	Wt.	d	Set At	Perforations	Unit / Sec. / Twp. / Rge.
2-7/8	6.5		2140	From To	J / 18 / 19 / 34

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single — Packer Set At: 2109' — County: Union

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	90 @ 2409	50	12.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2409	2409	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					319	50			
1.	4.026 x 2.125	212	29	55	224.2	50			24 hr
2.	4.026 x 2.125	230	22	56	242.2	50			24 hr
3.	4.026 x 2.125	253	15	58	265.2	50			24 hr
4.	4.026 x 2.125	280	7	59	292.2	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.							1484
3.							1410
4.							1200
5.							889

NO.	P_t	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 331.2 P_c^2 109.7

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		224.2		59.439
2		242.2		51.042
3		265.2		39.369
4		292.2		24.317
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.846$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.418$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2090$

Absolute Open Flow 2090 Mcfd @ 15.025 — Angle of Slope θ ____ — Slope, n .57

Remarks:

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