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	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
12-31-80	2643	2350	4887	

Csg. Size	Wt.	d	Set At	Perforations	Well No.
5.5	14		2643	From 2280 To 2533	1934 041K

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
2-7/8	6.5		2503	From To	K	04	19	34

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single — Packer Set At: 2255 — County: Union

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	90° @ 2407	50	12.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2407	2407	1.529	100	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					329				
1.	4.026 x 2.125	208	56	56	220.2	50			24 hr.
2.	4.026 x 2.125	240	33	60	252.2	50			24 hr.
3.	4.026 x 2.125	250	30	60	262.2	50			24 hr.
4.	4.026 x 2.125	278	17	61	290.2	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.							1994
3.							1675
4.							1622
5.							1300

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 341.2 P_c^2 116.417

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		220.2		67.929
2		252.2		52.813
3		262.2		47.669
4		290.2		32.201
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.07$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.89$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3779$

Absolute Open Flow 3779 Mcfd @ 15.025 — Angle of Slope θ ____ — Slope, n .57

Remarks:

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