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: 6-19-85	
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: 2616'	Plug Back TD: 2530'	Elevation: 4531' G.L.	Farm or Lease Name:	
Csg. Size: 7" / Wt.: 20# / d: / Set At: 2616'		Perforations: From 2058' To 2228'		Well No.: 1935 261G	
Tbg. Size: 3½" / Wt.: 9.3# / d: / Set At: 2009'		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: 1970'		County: Union	
Producing Thru: Tubing	Reservoir Temp. °F: @ 2143'	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
2143'	2143'	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						330				
1.	4.026	x 2.25	217	47	59	229.2	50			24 hr.
2.	"	"	239	32	60	251.2	"			24 hr.
3.	"	"	260	20	60	272.2	"			24 hr.
4.	"	"	280	11	60	292.2	"			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							2183
2.							1906
3.							1563
4.							1197
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 342.2 P_c^2 117.1

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		229.2		64.568
2		251.2		53.999
3		272.2		43.008
4		292.2		31.720
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.814$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.659$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3621$

Absolute Open Flow 3621 Mcfd @ 15.025 | Angle of Slope θ | Slope, n .85

Remarks:

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