NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ 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: 3/7/81	Total Depth: 2711	Plug Back TD: 2604	Elevation: GL 4913		Farm or Lease Name:
Csg. Size: 5.5 / Wt.: 14 / d: / Set At: 2711		Perforations: From 2330 To 2560			Well No.: 1934 301C
Tbg. Size: 2-7/8 / Wt.: 6.5 / d: / Set At: 2176		Perforations: From To			Unit: C / Sec.: 30 / Twp.: 19 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 2146		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2445	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.2		State: New Mexico
L: 2445 / H: 2445	Gg: 1.529	% CO_2: 100	% N_2: 0	% H_2S: 0	Prover: / Meter Run: 4.0 / Taps: 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							345	50			
1.	4.026	x	2.125	207	33	55	219.2	50			24 hr
2.	4.026	x	2.125	226	24	57	238.2	50			24 hr
3.	4.026	x	2.125	239	16	58	251.2	50			24 hr
4.	4.026	x	2.125	261	9	58	273.2	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.							1551
3.							1454
4.							1246
5.							986

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 317.2 P_c^2 100.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		219.2		52.567
2		238.2		43.877
3		251.2		37.514
4		273.2		25.978
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.914$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.515$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2350$

Absolute Open Flow 2350 Mcfd @ 15.025 Angle of Slope θ Slope, n .64

Remarks:

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