NEW MEXICO CIL 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: Tubb		Unit: BDCDGU
Completion Date: 4/30/81	Total Depth: 2669'	Plug Back TD: 2615'	Elevation: 4965 GL	Farm or Lease Name:
Csg. Size: 5-1/2" / Wt.: 14# / d: / Set At: 2665'		Perforations: From 4344' To 2540'		Well No.: 1933 111G
Tbg. Size: 2-7/8" / Wt.: 6.5# / d: / Set At: 2205'		Perforations: From To		Unit: G / Sec.: 11 / Twp.: 19 / Rge.: 33
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2288'		County: Harding
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ 2442'	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
2442	2442	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					316				
1.	4.026 x 1.875	278	13	60	283	50			24hr
2.	4.026 x 1.875	257	22	60	258	50			"
3.	4.026 x 1.875	240	30	59	241	50			"
4.	4.026 x 1.875	223	37	58	224	50			"
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							899
2							1133
3							1289
4							1371
5							

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 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 1072 P.S.I.A. P.S.I.A.
Critical Temperature 547 R R

P_c 328.2 P_c^2 107.715

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		295.2		20.572
2		270.2		34.707
3		253.2		43.605
4		236.2		51.925
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.470$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.572$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2026$

Absolute Open Flow 2026 Mcfd @ 15.025 Angle of Slope θ Slope, n .50

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		D. R. White	