NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 9 1984
OIL CONSERVATION DIVISION

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6/1/84	
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome		Formation: Tubb			Unit: BDCDGU
Completion Date: 5/16/81	Total Depth: 2568		Plug Back TD: 2430	Elevation: 4560	Farm or Lease Name:
Csg. Size: 5-1/2 / Wt.: 14# / d: / Set At: 2562			Perforations: From 2069 To 2184		Well No.: 1935 231K
Tbg. Size: 2-7/8 / Wt.: 6.5# / d: / Set At: 2068			Perforations: From To		Unit: K / Sec.: 23 / Twp.: 19N / Rge.: 35E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 2029		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2127	2127	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					332.9	50			1000 HR
1.	4.026 x 2.0	286	8	66	280	50			1.5
2.	4.026 x 2.0	243	32	63	239	50			1.5
3.	4.026 x 2.0	209	60	62	206	50			1.5
4.	4.026 x 2.0	171	94	61	170	50			1.5
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							815
2							1533
3							1933
4							2205
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 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 496 R R

P_c 345.2 P_c^2

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		292.3		33.7
2		251.3		56.0
3		218.3		71.5
4		182.3		85.9
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.387$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.314$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2898$

Absolute Open Flow 2898 Mcfd @ 15.025 Angle of Slope θ Slope, n .836

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
Roy E. Johnson		Don White	