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: 5/29/84	
Company: Amoco Production Company	Connection:			Unit: BDCDGU
Pool: Bravo Dome	Formation: Tubb			
Completion Date: 4/28/82	Total Depth: 2663'	Plug Back TD: 2361'	Elevation: 4705'	Farm or Lease Name:
Csg. Size: 5-1/2 / Wt.: 14# / d: / Set At: 2663'	Perforations: From 2146' To 2300'			Well No.: 2035 321F
Tbg. Size: 2-7/8 / Wt.: 6.5# / d: 2.438 / Set At: 2138'	Perforations: From To			Unit: F / Sec.: 32 / Twp.: 20N / Rge.: 35E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2099'		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2223	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.25	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2223	2223	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	4.026				332.4	50			1000 hr
1.	4.026 x 2.5	287	1	67	291	50			1.5
2.	4.026 x 2.5	245	11	62	249	50			1.5
3.	4.026 x 2.5	199	27	61	204	50			1.5
4.	4.026 x 2.5	172	37	60	177	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							552
2.							1510
3							2087
4.							2263
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 ____ 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 344.7 P_c^2

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		303.3		26.8
2		261.3		50.5
3		216.3		72.0
4		189.3		83.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.432$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.340$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3032$

Absolute Open Flow 3032 Mcfd @ 15.025 | Angle of Slope θ ____ | Slope, n .815

Remarks:

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