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: 5/25/84

Company: Amoco Production Company	Connection:			Unit: BDCDGU
Pool: Bravo Dome	Formation: Tubb			Farm or Lease Name:
Completion Date: 5/28/81	Total Depth: 2682	Plug Back TD: 2638	Elevation: 4635	
Csg. Size: 5-1/2 / Wt.: 14# / d: / Set At: 2684	Perforations: From 2112 To 2260			Well No.: 1935 041G
Tbg. Size: 2-7/8 / Wt.: 6.5# / d: 2.438 / Set At: 2104	Perforations: From To			Unit: G Sec.: 4 Twp.: 19N Rge.: 35E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2066		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2186	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
2186	2186	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					332.8	50			1000 HR
1.	4.026 x 2.5	274	5	60	280	50			1.5
2.	4.026 x 2.5	242	19	60	246	50			1.5
3.	4.026 x 2.5	213	32	59	218	50			1.5
4.	4.026 x 2.5	202	38	59	207	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							
2							1076
3							1950
4							2366
5							2488

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 345.1 P_c^2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		292.3		33.6
2		258.3		52.4
3		230.3		66.0
4		219.3		71.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.270$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.979$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3859$

Absolute Open Flow 3859 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .831

Remarks:

Approved By Commission: Roy E. Johnson

Conducted By:

Calculated By: Don White

Checked By: