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:			
Pool: Bravo Dome		Formation: Tubb			Unit: BDCDGU
Completion Date: 5/25/81	Total Depth: 2535'		Plug Back TD: 2408	Elevation: 4625	Farm or Lease Name:
Csg. Size: 5-1/2 / Wt.: 14# / d: / Set At: 2507'			Perforations: From 2095' To 2234'		Well No.: 1935 081J
Tbg. Size: 2-7/8 / Wt.: 6.5# / d: 2.438 / Set At: 2091			Perforations: From To		Unit: J / Sec.: 8 / Twp.: 19N / Rge.: 35E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At:		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2165		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
2165	2165	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	259	18	58	266	50			1.5
2.	4.026	x 2.5	235	31	58	241	50			1.5
3.	4.026	x 2.5	199	53	55	205	50			1.5
4.	4.026	x 2.5	165	80	51	171	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							1984
2							2461
3							2966
4							3313
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 345.10 P_c^2

NO	P_c^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		278.3		41.6
2		253.3		54.9
3		217.3		71.9
4		183.3		85.5
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.393$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.261$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4178$

Absolute Open Flow 4178 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .699

Remarks:

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