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: 5/26/84	
Company: Amoco Production Company		Connection:			Unit: BDCDGU
Pool: Bravo Dome		Formation: Tubb			
Completion Date: 5/10/81	Total Depth: 2557'		Plug Back TD: 2504'	Elevation: 4475'	Farm or Lease Name:
Csg. Size: 5-1/2 / Wt.: 14# / d: / Set At: 2557			Perforations: From 2015 To 2120		Well No.: 1935 241J
Tbg. Size: 2-7/8 / Wt.: 6.5# / d: 2.438 / Set At: 2076'			Perforations: From To		Unit: J Sec.: 24 Twp.: 19N Rge.: 35E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 1983		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2068	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
2068	2068	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					330	50			1000 HR
1.	4.026 x 1.75	272	10	70	280	50			1.5
2.	4.026 x 1.75	235	29	68	244	50			1.5
3.	4.026 x 1.75	208	50	68	218	50			1.5
4.	4.026 x 1.75	192	64	67	201	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							679
2.							1080
3.							1324
4.							1440
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 342.3 P_c^2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		292.3		31.7
2		256.3		51.5
3		230.3		64.1
4		213.3		71.7
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.159$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.014$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2175$

Absolute Open Flow 2175 Mcfd @ 15.025 | Angle of Slope θ ____ | Slope, n .910

Remarks:

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