NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 8-28-87

Company: Amoco Production Company	Connection:		
Pool: Bravo Dome	Formation: Tubb		Unit: BDCDGU
Completion Date: 11-21-83	Total Depth: 2825'	Plug Back TD: 2688'	Elevation: 4865'
Farm or Lease Name:			
Csg. Size: 7" / Wt.: 20# / d: 6.456" / Set At: 2825'	Perforations: From 2506' To 2602'		Well No.: 1933-261G
Tbg. Size: 3.5" / Wt.: 9.5# / d: 3.00" / Set At: 2485'	Perforations: From To		Unit: G / Sec.: 26 / Twp.: 19 / Rge.: 33
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: 2454'		County: Harding
Producing Thru: Tubing	Reservoir Temp. °F: 90	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
			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					254		0		24 hr.
1.	4.026 x 1.875	181	15	62	183	62	0		24 hr.
2.	4.026 x 1.875	192	10	61	193	61	0		24 hr.
3.	4.026 x 1.875	213	4	59	215	59	0		24 hr.
4.	4.026 x 1.875	215	2	60	216	60	0		24 hr.
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							848
2							699
3							483
4							405
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 266.25 P_c^2 70889

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		195.25	38122	32767
2		205.25	42127	28762
3		227.25	51643	19246
4		228.25	52098	18791
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7750$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.7750$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1775$

Absolute Open Flow 1775 Mcfd @ 15.025 Angle of Slope θ 45.0 Slope, n 1.0

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	RANDY MAHANNAH	RICHARD ROETH	