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:			
Pool: Bravo Dome	Formation: Tubb			Unit: BDCDGU
Completion Date: 5/14/81	Total Depth: 2573'	Plug Back TD: 2497'	Elevation: 4497'	Farm or Lease Name:
Csg. Size: 5-1/2 / Wt.: 14# / d: / Set At: 2573'	Perforations: From 2142 To 2179			Well No.: 1935 131F
Tbg. Size: 2-7/8 / Wt.: 6.5# / d: 2.438 / Set At: 2124'	Perforations: From To			Unit: F / Sec.: 13 / Twp.: 19N / Rge.: 35E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: 2085'			County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2161	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
2161	2161	1.529	100	0	0		4.0	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					336.6	50			1000 HR
1.	4.026 x 1.5	220	56	48	216	50			1.5
2.	4.026 x 1.5	207	81	48	203	50			1.5
3.	4.026 x 1.5	182	125	48	180	50			1.5
4.	4.026 x 1.5	176	134	45	174	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							1070
2.							1247
3.							1458
4.							1491
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 348.9 P_c^2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		228.3		69.6
2		215.3		75.4
3		192.3		84.7
4		186.3		87.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.436$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.436$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2094$

Absolute Open Flow 2094 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 1.00

Remarks:

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