NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JAN 28 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 12/11/84	
Company: Amoco Production Co.		Connection: Northwest Pipeline Copr.			
Pool: Basin		Formation: Dakota		Unit:	
Completion Date: 9/19/84	Total Depth: 8080	Plug Back TD: 8025	Elevation: 6280 GR	Farm or Lease Name: Rosa Unit	
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 8080		Perforations: From 7832 To 7988		Well No.: 116	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7990		Perforations: From open To ended		Unit: A / Sec.: 24 / Twp.: 31 / Rge.: 6	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Commingle		Packer Set At: 7400		County: Rio Arriba	
Producing Thru: tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	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	27 days					2245		x		
1.	2.375	.750				125		x		3 hrs.
2.										
3.										
4.										
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	12.365		137	1.000	.9258	1.016	1593
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2257 P_c^2 5094049

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		154	23716	5070333
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0047$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0035$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1599$

Absolute Open Flow 1599 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: flared, heavy H_2O, sliding sleeve set @ 7396'.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J.J. Barnett	J.J. Barnett	