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: 12/19/77	
Company: AMOCO PRODUCTION COMPANY	Connection:			
Pool: Ute Dome	Formation: Paradox			Unit:
Completion Date: 12-19-77	Total Depth: 9347	Plug Back TD: 8900	Elevation: 6568	Farm or Lease Name: Ute Mtn. Tribal "L"
Csg. Size: 5.500 / Wt.: 14,15.5 & 17 / d: 4.950 / Set At: 9334	Perforations: From 8348 To 8791			Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8289	Perforations: From Open Ended To			Unit: J / Sec.: 24 / Twp.: 32 / Rge.: 14
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: None			County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico
L: . / H: / Gg: .65	% 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	13 days					2673		2650		
1.						450		750	60	24 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	20# Back Pressure on Separator						684
2							
3							
4							
5							

NO.	P_t	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 2685 P_c^2 7209225

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		762	580644	6628581
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0876$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0876$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 744$

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OIL CON. COM.
DIST. 3

Absolute Open Flow 744 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope n 1.00

Remarks: ~~"Q" determined with COR tester with 2"~~ standpipe ~~and 1" plate.~~

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	T. M. Oliver	Oliver/W.R.Cordill	Original Signed by J. L. KRUPKA J. L. Krupka