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: 10-23-72	
Company: AMOCO PRODUCTION COMPANY		Connection			
Pool: Ute Dome		Formation: Dakota		Unit	
Completion Date: 10-23-72	Total Depth: 3060	Plug Back TD: 3022	Elevation: 6343 GL	Farm or Lease Name: Mt. Ute Gas Com "B"	
Csg. Size: 5.5" / Wt.: 15# / d: / Set At: 3055		Perforations: From 2920 To 2988		Well No.: 1	
Tbg. Size: 2-3/8" / Wt.: / d: / Set At: 2965		Perforations: From 2960 To 2965		Unit: G / Sec.: 10 / Twp.: 31N / Rge.: 14W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2960		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F: 104° @ 3060	Mean Annual Temp. °F: Est. 60°	Baro. Press. – P_a: 12 PSIA Est.	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2960		.70						

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X ~~XXXXX~~ Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	11 Day					750		750		
1.	2-Inch	3/4 Choke				303	60° Est.	715		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	12.3650		315	1.00	.9258	1.037	3739
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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OCT 26 1972
OIL CON. COM.
DIST. 3

P_c 762 P_c^2 580,644

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		727	528,529	52,115
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 11.14$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7.74$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 28,940$

Absolute Open Flow 28,940 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	B. D. Dukes	P. C. Ellison	J. Arnold Snell