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: 2-18-77	
Company: AMOCO PRODUCTION COMPANY	Connection			
Pool: Blanco	Formation: Pictured Cliffs			Unit
Completion Date: 2-11-77	Total Depth: 2970	Plug Back TD	Elevation: 5831	Farm or Lease Name: Usselman Gas Com "B"
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 2963		Perforations: From 2628 To 2678		Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 2686		Perforations: From Open To Ended		Unit: G / Sec.: 4 / Twp.: 31 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a: 12	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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	7 Days						713		836		
1.	2.375"		.750				180	60°	475		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		192	1.000	.9608	1.020	2327
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 848 P_c^2 719,104

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		487	237,168	481,935
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4921$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4052$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3270$

FEB 23 1977
OIL CON. COM.
DIST. 3

Absolute Open Flow 3270 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Original Signed by
H. D. MONTGOMERY

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	T. M. Oliver	Oliver/W.R.Bloom	H. D. Montgomery