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: 12/28/84	
Company: Amoco Production Co.			Connection: El Paso Natural Gas Co.		
Pool: Basin			Formation: Dakota		Unit:
Completion Date: 11/28/84	Total Depth: 6996		Plug Back TD: 6655	Elevation: 5692 GR	Farm or Lease Name: W.D. Heath "A"
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6996			Perforations: From 6508 To 6542		Well No.: 10E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6629			Perforations: From open To ended		Unit: H / Sec.: 17 / Twp.: 29 / Rge.: 9
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	% 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	14 days				1505		1505		
1.	2.375 .750				180		494		8 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	.9258	1.022	2246
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 1517 P_c^2 2301289

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		506	256036	2045253
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1252$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0925$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2454$

Absolute Open Flow 2454 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: flared, lite H_2O, lite oil

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