NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

RECEIVED
AUG 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7-31-85	
Company: El Paso Natural Gas			Connection		
Pool: Basin			Formation: Dakota		
Completion Date: 7-31-85	Total Depth		Plug Back TD	Elevation: 6555 GR	Farm or Lease Name: Huerfano Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6795			Perforations: From 6606 To 6725		Well No.: #173E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6698			Perforations: From To		Unit: G / Sec.: 13 / Twp.: 26 / 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: a		Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

	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						435		1097		7 Days
1.		.750	43		74	43		397		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		55	.9868	.9258	1.010	628
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 1109 P_c^2 1229881

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		409	167281	1062600
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1229881}{1062600}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1159$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 701

Absolute Open Flow 701 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Heavy spary oil & water throughout test. Gas vented during test = 118 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Joe Gillentine	Ed Mabe	kld