NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

JUL 19 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-15-85	
Company: El Paso Natural Gas	Connection:			Unit:
Pool: Basin	Formation: Dakota			
Completion Date: 7-15-85	Total Depth: 6617	Plug Back TD: 6599	Elevation: 6491 GR	Farm or Lease Name: Huerfano Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6616	Perforations: From 6417 To 6474			Well No.: 244E ~~#224E~~
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6472	Perforations: From To			Unit: A / Sec.: 19 / 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										
1.		.750	114		75	1024		1439		7 Days
2.						114		393		3 Hrs.
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		126	.9859	.9258	1.013	1441
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 XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1451 P_c^2 2105401

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		405	164025	1941376
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2105401}{1941376}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0627$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1531$

Absolute Open Flow 1531 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Heavy slug of oil & water after 6 mins. surges throughout test.
Gas vented during test = 243 MCF

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Don Norton	Ed Mabe	kld