NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 15 1985
OIL CON. DIV.
DIST. 3

Corrected Copy

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8-8-85	
Company: El Paso Natural Gas		Connection:		
Pool: Basin		Formation: Dakota		Unit:
Completion Date: 8-8-85	Total Depth: 6713	Plug Back TD: 6697	Elevation: 6539 GR	Farm or Lease Name: Huerfano Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6713		Perforations: From 6485 To 6620		Well No.: #130E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6610		Perforations: From To		Unit: L / Sec.: 29 / Twp.: 26 / Rge.: 09
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: .700	% CO_2:	% N_2: / % H_2S: / Prover: / Meter Run: / Taps:

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1252		1275		7 Days
1.	.750	161		82	161		521		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		173	.9795	.9258	1.015	1969
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 1286 P_c^2 1653796

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		533	284089	1369707
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1653796}{1369707}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1518$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2268$

Absolute Open Flow 2268 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Produced med. spary liquids throughout test. Gas vented during test 360 MCF.

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