NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUL 16 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-12-85	
Company: El Paso Natural Gas	Connection:			
Pool: Basin	Formation: Dakota			Unit:
Completion Date: 7-12-85	Total Depth: 6696	Plug Back TD: 6678	Elevation: 6372 GR	Farm or Lease Name: Huerfano Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6696	Perforations: From 6401 To 6608			Well No.: #135E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6607	Perforations: From To			Unit: H / Sec.: 23 / Twp.: 26 / Rge.: 9
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:	

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						1461		1654		7 Days
1.		.750	191		81	191		569		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		203	.9804	.9258	1.020	2324
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 1666 P_c^2 2775556

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2775556}{2437995}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1021$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2561$

Absolute Open Flow 2561 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Slug of oil & water to surface 6 minutes - Med. spary throughout test. Gas vented during test = 400 MCF.

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