NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
FEB 07 1986
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 2-6-86	
Company: El Paso Natural Gas			Connection:		
Pool: Blanco			Formation: Mesa Verde		Unit:
Completion Date: 2-6-86	Total Depth: 8035		Plug Back TD: 8018	Elevation: 6708 GR	Farm or Lease Name: S.J. 27-5 U.
Csg. Size: 9.625 / Wt.: 40 / d: 8.835 / Set At: 3940			Perforations: From 5252* To 6150		Well No.: 102 M
Tbg. Size: 1.900 / Wt.: 2.9 / d: 1.610 / Set At: 6115			Perforations: From To		Unit: P / Sec.: 12 / Twp.: 27 / Rge.: 05
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 6196		County: Rio Arriba
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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						871		905		7 Days
1.		.750	159		44	159		780		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		171	1.0157	.9258	1.025	2038
2.							
3.							
4.							
5.							

NO.	P_t	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 905 P_c^2 819025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		780	608400	210625
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{819025}{210625}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.7691$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5643$

Absolute Open Flow 5643 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: 7" liner set 3768 - 6340
4½" Liner set 6214 - 8032

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
G	Osborne	Scott H. Lindsay	kld