NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 28 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8-22-85	
Company: El Paso Natural Gas	Connection:			
Pool: Blanco	Formation: Mesa Verde			Unit:
Completion Date: 8-22-85	Total Depth: 6830	Plug Back TD: 6810	Elevation: 7303 GR	Farm or Lease Name: S.J. 27-4 Unit
Csg. Size: 7.000 / Wt.: 20 23 / d: 6.456 / Set At: 4544	Perforations: From *6385 To 6770			Well No.: #153
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6733	Perforations: From To			Unit: C / Sec.: 2 / Twp.: 27 / Rge.: 4
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: None			County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F: a	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico
L:	H:	Gg: .690	% 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			.750	250		66	1041		1135		7 Days
1.							250		881		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		262	.9943	.9325	1.024	3075
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 1147 P_c^2 1315609

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		893	797449	518160
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1315609}{518160}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.01139$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6185$

Absolute Open Flow 6185 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: *4.500 Liner 4363' to 6830'
Gas vented during test = 419 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Gary Osborne	Cliff Brock	kld