NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

REPORT
OWWO
JUN 12 1986
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5-23-86	
Company: El Paso Natural Gas Co.			Connection:		
Pool: Aztec PC Ext.			Formation: Pictured Cliffs		Unit:
Completion Date: 5-23-86	Total Depth: 5031'		Plug Back TD: 5013'	Elevation: 5681'	Farm or Lease Name: Randlemon
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 2689			Perforations: From 2305* To 2380'		Well No.: #1A
Tbg. Size: 1.660 / Wt.: 2.3 / d: 1.380 / Set At: 2387			Perforations: From To		Unit: E / Sec.: 26 / Twp.: 31 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At: 2495'		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @	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
		.670						

	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						648		648		7 Days
1.		.750	130		60	130		130		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		142	1.000	.9463	1.014	1685
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 660 P_c^2 435,600

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		142	20,164	415436
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{435,600}{415436}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0411$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,754$

Absolute Open Flow 1754 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: *4½" Liner Set - 2562 - 5031'
Gas vented during test = 265 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. Chuquette	Scott H. Lindsay	kld