NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

RECEIVED
SEP 27 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 9-25-85

Company: El Paso Natural Gas	Connection:		Unit:
Pool: So. Blanco	Formation: Pictured Cliffs		
Completion Date: 9-25-85	Total Depth: 3368	Plug Back TD: 3357	Elevation: 7221 GR
Farm or Lease Name: Lindrith Unit			
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 3368	Perforations: From 3228 To 3325		Well No.: #116
Tbg. Size: 1.660 / Wt.: 2.3 / d: 1.380 / Set At: 3301	Perforations: From To		Unit: F / Sec.: 26 / Twp.: 24 / Rge.: 03
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: None		County: Rio Arriba
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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							972		972		7 Days
1.		.750		59		59	59		122		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		71	1.0010	.9463	1.009	839
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 984 P_c^2 968256

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		134	17956	950300
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{968256}{950300}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0160$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 852$

Absolute Open Flow 852 Mcfd @ 15.025 — Angle of Slope ⇔ _____ — Slope, n .85

Remarks: Gas vented during test = 133 MCF.

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Jim Boone	Ed Mabe	kld