NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date:

25 1985
OIL CON. DIV.
DIST. 3

Company: El Paso Natural Gas	Connection:				
Pool: Basin	Formation: Dakota				Unit
Completion Date: 7-19-85	Total Depth: 6524	Plug Back TD: 6505	Elevation: 6530 GR	Farm or Lease Name: Huerfano Unit	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6524	Perforations: From 6345 To 6428			Well No.: #262	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6407	Perforations: From To			Unit: A / Sec.: 31 / Twp.: 26 / Rge.: 10	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tbg.	Reservoir Temp. °F: a	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

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI		.750	109		80	1079		1120		7 Days
1.						109		383		3 Hr.
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		121	.9813	.9258	1.015	1380
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 1132 P_c^2 1281424

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		395	156025	1125399
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1281424}{1125399}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1023$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1521$

Absolute Open Flow 1521 Mcfd @ 15.025 — Angle of Slope ↔ _____ — Slope, n .75

Remarks: Heavy to medium spary oil & water thoughout test. Gas vented during test = 226 MCF.

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