

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-22-82		JUL 26 1982 COM.	
Company El Paso Exploration Company				Connection Northwest Pipeline Corp.			
Pool Blanco				Formation Mesa Verde		Unit	
Completion Date 7-13-82		Total Depth 6325		Plug Back TD 6278		Elevation 7115 GR	
Farm or Lease Name Jicarilla 115 E							
Csg. Size 7.000	Wt. 20	d 6.456	Set At 4076	Perforations: From *5460 To 6188		Well No. #14A	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6183	Perforations: From To		Unit Sec. Twp. Rge. I 10 26 3	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		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 .680	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4"
Taps Flg.							

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI							592		1318		9 Days
1.	4"		2.500	44	34.2	74	243		792		3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	32.64	43.76	56	.9868	1.213	1.000	1710
2.							
3.							
4.							
5.							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P_c 1330 P_c² 1768900

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		804	646416	1122484
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1768900}{1122484}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4065$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2405$

Absolute Open Flow 2.405 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
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Remarks: *4.500' - Liner - 3940' - 6325'
45.87 Bbl. Oil/3 Hr. - 38.3° API
Vented During Test - 233 MCF - GOR = 5080/CF/Bbl.

Approved By Commission:	Conducted By: L. Schmitz	Calculated By: Ed Mabe	Checked By:
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