

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: 11-12-81	
Company: El Paso Exploration Company				Connection: Northwest Pipeline Corp.			
Pool: Basin				Formation: Dakota		Unit:	
Completion Date: 11-5-81		Total Depth: 7741'		Plug Back TD: 7725'		Elevation: 6827'	
Casing Size: 4.50"		Set At: 7741		Perforations: From 7426 To 7618		Well No.: #28	
Tubg. Size: 2.375		Set At: 7612		Perforations: From To		Unit Sec. Twp. Rge. J 6 25 4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At		County: R rriba	
Producing Thru Tubing		Reservoir Temp. °F: 180		Mean Annual Temp. °F		Baro. Press. - P _a : 12	
L H		Gg: 0.738		% CO ₂ % N ₂ % H ₂ S		Prover: 2.50" 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
1	4" X 2.500"			15	3.7	59	64		480		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.20	6.079	27	1.001	1.164	1.000	751
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 Hydrocarbon	_____ Deg.
2					Specific Gravity Separator Gas	_____ X X X X X X X X
3					Specific Gravity Flowing Fluid	_____ X X X X X X X X
4					Critical Pressure	_____ P.S.I.A.
5					Critical Temperature	_____ R

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DIST. 3

P _c 2265	P _c ² 5,130,225	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0495$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0369$
NO. 1	P _w 492	P _w ² 242,064	P _c ² - P _w ² 4,888,161
2			
3			
4			
5			

Absolute Open Flow: 758 Mcfd @ 15.025		Angle of Slope: _____	Slope, n: .75
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Remarks: Gas Vented - 169 MCF/D
Liquids Produced - 6.2 BBLS OIL, 4.7 BBLS. WATER

Approved By Commission:	Conducted By: Lyle Nation	Calculated By: William Clark	Checked By:
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