

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 7-7-82				
Company El Paso Exploration Company				Connection Northwest Pipeline Company					
Pool Basin				Formation Dakota				Unit Dist. 3	
Completion Date 6-30-82		Total Depth 7875		Plug Back TD 7850		Elevation 6954 GR		Farm or Lease Name Jicarilla 123 C	
Csg. Size 4.50	Wt. 10.5	d 4.052	Set At 7875	Perforations: From 7565 To 7753			Well No. #28E		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7741	Perforations: From To			Unit K	Sec. Twp. Rge. 6 25 4	
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	G _g 0.730	% 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	
SI							901		2214		7 Days
1.	4"	X	2.50"	12	3.6	70	80		587		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.21	5.58	24	0.9905	1.170	1.000	667
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	.04	530	1.32	1.000	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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	2226	599	358,801	4,596,275	1.0781	1.0580
2						
3						
4						
5						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 706$

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produce Liquid - 47.6 Bbl Water, 5.8 Bbls Oil

Approved By Commission:	Conducted By: Bill Clark	Calculated By: Bill Clark	Checked By:
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