

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

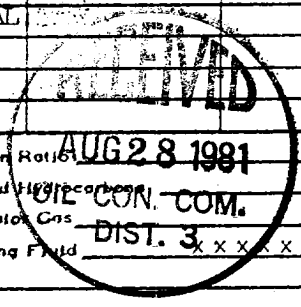
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/27/81					
Company DEPCO, INC.						Connection not connected					
Pool West Kutz						Formation Pictured Cliffs					
Completion Date 8/20/81			Total Depth 1835' KB			Plug Back TD 1783' KB		Elevation 6110' GL		Farm or Lease Name Federal	
Cng. Size 4.5"		Wt. 10.5#		Set At 1810' KB		Perforations: From 1632' To 1674'				Well No. 31 #31	
Tbg. Size 1.315"		Wt. 1.7#		Set At 1639' KB		Perforations: From To				Unit Sec. Twp. Rge. B 31 27N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At -		County San Juan			
Producing Thru Tbg.			Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico		
L		H		G _a		% CO ₂		% N ₂		% H ₂ S	
Prover		Meter Run		Taps							

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	Duration of Flow
SI							462#		462#		7 day SI
1.	2	X	3/4"				-		219#		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							499
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
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R



P _r 474	P _c 224.676		
NO.	P _r	P _w	P _r ² - P _w ²
1	-	231	53,361
2			
3			
4			
5			

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.3115$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.2592$

AOIF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 628$

Absolute Open Flow	628	Mcf/d @ 15.025	Angle of Slope	Slope, n .85
Remarks:				

Approved by Commission:	Conducted by: Crum	Calculated by: Crum	Checked by:
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