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1-F

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

Form C-122
Revised 9-1-67

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11/16/82			
Company DEPCO, INC.				Connection not connected			
Pool Basin				Formation Dakota		Unit	
Completion Date 11/2/82		Total Depth 6808' KB		Plug Back TD 6738' KB		Elevation 6019' GL	
Cng. Size 5 1/2"		Wt. 15.5#		Set At 6808' KB		Perforations: From 6558' To 6660'	
Tbg. Size 1 1/2"		Wt. 2.9#		Set At 6618' KB		Perforations: From To	
Type Well - Single - Dradhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At 4685' KB		Well No. 6 #32 (dual)	
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg		State New Mexico	
				% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							2373#				7 day SI
1.	2"	X	3/4"				128	58			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 _{sp}	Rate of Flow Q, Mcfd
1	12.3650		140	1.0019	1.0000	1.0000	1,734
2.							
3.							
4.							
5.							

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

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_w^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	19,600	489	239,121	5,449,104	1.0439	1.0327
2						
3						
4						
5						

Absolute Open Flow <u>1,791</u> Mcfd @ 15.025				Angle of Slope θ <u>75</u>	
Remarks:					
Approved by Commission					
Conducted by:		Calculated by:		Checked by:	
Crum		Crum			