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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 11/9/82	
Company DEPCO, INC.			Connection not connected		
Pool Otero			Formation Chacra		Unit
Completion Date 11/2/82		Total Depth 6808' KB		Plug Back TD 6738' KB	Elevation 6019' GL
Farm or Lease Name Federal		Well No. 6 #32 (dual)			
Crag. Size 5 1/2"	Wt. 15.5#	Set At 6808' KB	Perforations: From 3032' To 3114'		Unit Sec. Twp. Rge. G 6 26N 7W
Tbg. Size 1 1/2"	Wt. 2.4#	Set At 3092' KB	Perforations: From To		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G. G. Multiple				Packer Set At 4685' KB	County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. °F #	Mean Annual Temp. °F		Baro. Press. - P _a
State New Mexico					
L	H	G _g	% 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
SI							991#		991#		7 day SI
1.	2"	X	3/4"				46#	58	425#		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		58	1.0019	1.0000	1.0000	719
2.							
3.							
4.							
5.							

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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 P.S.I.A.	Critical Temperature °R
1.										
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1	356.4	437	190,969	815,040
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.2343$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1710$

AOI = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 842$

Absolute Open Flow	842 Mcfd @ 15.025	Angle of Slope	Slope, n .75
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Remarks:

Approved By: _____	Conducted By: _____	Calculated By: _____	Checked By: _____
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