

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

Form C-122
 REVISED 5-8-85

RECEIVED

AUG 19 1982

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7/27/82		U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.	
Company DEPCO, INC.				Connection not connected			
Pool Otero				Formation Chacra		Unit	
Completion Date 7/13/82		Total Depth 3428' KB		Plug Back TD 3342' KB		Elevation 6056' GL	
Casing Size 5.500		Wt. 15.5#		Set At 3425' KB		Perforations: From 3082' To 3172'	
Tubg. Size 1.900		Wt. 2.9#		Set At 3137' KB		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 2325' KB		Well No. 16-R (dual)	
Producing Thru Tubg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
County Rio Arriba		State New Mexico		Unit J		Sec. Twp. Rge. 5 26N 7W	
L	H	Gg	% 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
1.	2"	X	3/4"				952				7 day SI
2.							130	50			3 hrs.
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.	12.3650		142	1.0098	1.0000	1.0000	1,773
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1.	964	929,296		
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1610$$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,983$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1185$$

Absolute Open Flow	1,983	Mcfd @ 15.025	Angle of Slope	.75
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Remarks:

Approved By Commission	Conducted By: Crum	Calculated By: Crum	Checked By:
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