

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

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/26/81			
Company DEPCO, INC.				Connection not connected					
Pool West Kutz				Formation Pictured Cliffs				Unit	
Completion Date 8/19/81		Total Depth 2000' KB		Plug Back TD 1955' KB		Elevation 6242' GL		Farm or Lease Name Federal	
Cwg. Size 4.5"	Wt. 10.5#	d 	Set At 1975' KB	Perforations: From 1836' To 1855'		Well No. 29 #22			
Tbg. Size 1.315"	Wt. 1.7#	d 	Set At 1842' KB	Perforations: From To		Unit Sec. Twp. Rge. F 29 27N 11W			
Type Well - Single - Hardhead - G.G. or G.O. Multiple Single						Packer Set At -		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F 		Mean Annual Temp. °F 		Baro. Press. - P _a		State New Mexico	
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	
SI							278#		278#		7 day SI
1.	2	X	3/4"				-		220#		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							101
3							
4							
5							

NO.	P _t	Temp. °R	T _t	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	OIL CORN 88M
4.					Critical Pressure	DIST. 3 P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

P _c 290 P _c ² 84,100			
NO.	P _c ²	P _w	P _c ² - P _w ²
1	-	232	53,824
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7777$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 241$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3831$

Absolute Open Flow	241	Mcf/d @ 15.025	Angle of Slope	85
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Remarks:

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