

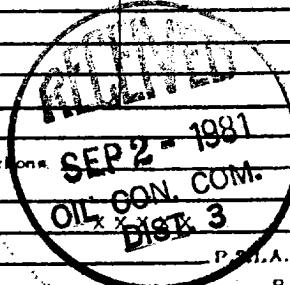
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/28/81	
Company DEPCO, INC.				Connection not connected	
Pool West Kutz				Formation Pictured Cliffs	
Completion Date 8/21/81		Total Depth 1875' KB		Plug Back TD 1844' KB	
Elevation 6137' GL		Farm or Lease Name Federal			
Cng. Size 4.5"	Wt. 10.5#	Set At 1856' KB	Perforations: From 1660' To 1666'		Well No. 30 #23
Tbg. Size 1.315"	Wt. 1.7#	Set At 1672' KB	Perforations: From To		Unit Sec. Twp. R1/4. K 30 27N 11W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At -	
Producing Thru Tbg.		Reservoir Temp. °F 0		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							402#		402#		7 day SI
1.	2	X	3/4"				-		250#		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 _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.L. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 414	P _c ² 171,396	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6681$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5448$
NO	P _w	P _w ²	P _w ² - P _c ²
1	262	68,644	102,752
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 156$

Absolute Open Flow	156	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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