

✓ 2-CCD, Aztec, N.M.
1-D
1-E

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 8/29/81			
Company DEPCO, INC.				Connection not connected					
Pool West Kutz				Formation Pictured Cliffs				Unit	
Completion Date 8/22/81		Total Depth 1835' KB		Plug Back TD 1807' KB		Elevation 6121' KB		Farm or Lease Name Federal	
Chg. Size 4.5"	Wt. 10.5#	d	Set At 1816' KB	Perforations: From 1605' To 1630'		Well No. 31 #43			
Fig. Size 1.315"	Wt. 1.7#	d	Set At 1611' KB	Perforations: From To		Unit Sec. Twp. Rge. I 31 27N 11W			
Type Well - Single - Bradenhead - G.C. or C.O. Multiple Single						Packer Set At -		County San Juan	
Producing thru Tbg.		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Ga	% 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							449#		449#		7 day SI
1.	2	X	3/4"				-		347#		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 Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2.			PITOT POTENTIAL				880
3.							
4.							
5.							

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

NO.	P _i	P _w	P _w ²	P _e ² - P _w ²
1	-	359	128,881	83,640
2				
3				
4				
5				

(1) $\frac{P_e^2}{P_e^2 - P_w^2} = \frac{2.5409}{1.2^2 - 1.2^2}$

AOI = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = \frac{1,944}{1.2^2 - 1.2^2}$

(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = \frac{2.2092}{1.2^2 - 1.2^2}$

Absolute Open Flow	1,944	Mcf/d @ 15.025	Angle of Slope #	Slope, n .85
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Remarks:

Approved By Commission	Conducted By:	Calculated By:	Checked By:
	Crut	Crut	