

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 8/26/81	
Company DEPCO, INC.				Connection not connected	
Pool West Kutz				Formation Pictured Cliffs	
Completion Date 8/18/81		Total Depth 2003' KB		Plug Back TD 1921' KB	
		Elevation 6242' GL		Farm or Lease Name Federal	
Casing Size 4.5"	Wt. 10.5#	Set At 1982' KB	Perforations: From 1811' To 1832'		Well No. 29 #33
Tubg. Size 1.315"	Wt. 1.7#	Set At 1837' KB	Perforations: From To		Unit J 29 27N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -	
Producing Thru Tbg.				State New Mexico	
Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
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							410#		410#		7 day SI
1.	2	X	3/4"				-		368#		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.			PITOT POTENTIAL				404
3.							
4.							
5.							

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

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²
1	-	380	144,400	33,684
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 5.2869$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,664$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.1183$$

Absolute Open Flow	1,664	Mcf/d @ 15.025	Angle of Slope	.85
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Remarks:

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