

2-OCD, Aztec, N.M.

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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 8/20/81	
Company DEPCO, INC.			Connection not connected		
Pool West Kutz			Formation Pictured Cliffs		Unit
Completion Date 8/13/81		Total Depth 1980' KB	Plug Back TD 1950' KB		Elevation 6271' GL
Farm or Lease Name Federal					
Csq. Size 4.5"	Wt. 10.5#	Set At 1977' KB	Perforations: From 1846' To 1870'		Well No. 33 #31
Tbg. Size 1.315"	Wt. 1.7#	Set At 1872' KB	Perforations: From To		Unit Sec. Twp. Rge. B 33 27N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At -		County San Juan
Producing Thru Tbg.		Reservoir Temp. °F @	Mean Annual Temp. °F		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							405#		405#		7 days SI
1.	2	X	3/4"				11#	52	370#		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, Fpv	Rate of Flow Q, Mcfd
1	12.3650		23	1.0078	1.0000	1.0000	287
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 _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R
1.					
2.					
3.					
4.					
5.					

P _c 417	P _c ² 173,889	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.2181$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.7273$
NO.	P _t ²	P _w	P _w ²
1	-	382	145,924
2			
3			
4			
5			

Absolute Open Flow 1,357 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
Remarks: _____			

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