

✓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 8/12/81		Total Depth 1901' KB		Plug Back TD 1855' KB		Elevation 6211' GL		Farm or Lease Name Federal	
Csq. Size 4.5"	Wt. 10.5#	Set At 1901' KB	Perforations: From 1768' To 1788'		Well No. 33 #11				
Tbg. Size 1.315"	Wt. 1.7#	Set At 1778' KB	Perforations: From To		Unit D 33		Sec. 27N	Twp. 11W	Rge.
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		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							409#		409#		7 day SI
1.	2	X	3/4				18	51	387#		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		30	1.0088	1.0000	1.0000	374
2.							
3.							
4.							
5.							

NO.	P _r	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	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 421	P _c ² 177,241	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 9.8249$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.9739$
NO.	P _t ²	P _w	P _w ²
1	-	399	159,201
2			
3			
4			
5			

Absolute Oper. Flow 2,608 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks:			
Approved By Commission: Conducted By: Calculated By: Checked By:			