

2-OCC, Aztec, N.M

1-D

1-F

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 7/7/80			
Company DEPCO, INC.				Connection not connected					
Pool West Kutz				Formation Pictured Cliffs				Unit	
Completion Date 6/30/80		Total Depth 2030' KB		Plug Back TD 1970' KB		Elevation 6174' GL		Farm or Lease Name Mudge A	
Cng. Size 4.5"	Wt. 10.5#	d	Set At 2030' KB	Perforations: From 1826' To 1870'		Well No. 11			
Tbg. Size 1.315"	Wt. 1.7#	d	Set At 1853' KB	Perforations: From To		Unit Sec. Twp. Rge. P 18 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 θ		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							219#		219#		7 days S
1.	2"	X	3/4"				-		198#		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							186
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	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 _r	P _w	P _w ²	P _r ² - P _w ²
1	-	210	44,100	9,261
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 5.7619$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 824$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4.4308$

Absolute Open Flow	824	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	85
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Remarks:

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