

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

1-D
 1-F

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/28/82	
Company DEPCO, INC.			Connection not connected		
Pool West Kutz			Formation Pictured Cliffs		Unit
Completion Date 5/20/82		Total Depth 1870' KB		Plug Back TD 1666' KB	Elevation 6168' GL
Firm or Lease Name Federal		Well No. 32 #44			
Casing Size 4.5"	Wt. 10.5#	Set At 1857' KB	Perforations: From 1656' To 1664'		Unit Sec. Twp. Hgt. P 32 27N 11W
Tubg. Size 1.315	Wt. 1.7	Set At 1646'	Perforations: From To		Unit Sec. Twp. Hgt. P 32 27N 11W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At	
Producing thru Tbg.		Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _a	
County San Juan		State New Mexico			
L	H	G _a	% 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							385#		385#		7 day SI
1.	2	X	3/4"				-		178#		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 O, Mcfd
1							
2				PITOT POTENTIAL			59
3							
4							
5							

NO.	P _t	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
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	397	190	157,609	36,100	121,509
2					
3					
4					
5					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2971$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2475$$

$$AOI = 0 \quad \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 74$$

Absolute Open Flow	74	Mcf/d @ 15.025	Angle of Slope @	Slope, n	.85
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Remarks:

Approved by Commission:	Computed by:	Calculated by:	Checked by:
	Crum	Crum	