

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 8/11/82				
Company DEPCO, INC.				Connection not connected					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 7/28/82		Total Depth 4700' KB		Plug Back TD 4629' KB		Elevation 6045' GL		Farm or Lease Name Miles Federal	
Chq. Size 5.5"	Wt. 15.5#	d	Set At 4685' KB	Perforations: From 4472' To 4586'			Well No. 1-A (dual)		
Thq. Size 1.900	Wt. 2.9#	d	Set At 4493' KB	Perforations: From To			Unit F	Sec. 5	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 3203' KB		County Rio Arriba			
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q	% 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							1081#				7 day SI
1.	2"	X	3/4"				51#	58			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	12.3650		63	1.0019	1.0000	1.0000	780
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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

$P_c = 1093$ $P_c^2 = 1,194,649$				
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	3969	188	35344	1159305
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0305}{1.0228}$$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 798$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0228}{1.0305}$$

Absolute Open Flow	798	Mcf/d @ 15.025	Angle of Slope	75
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Remarks:

Approved by Commission:	Conducted by: Crum	Calculated by: Crum	Checked by:
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