

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/13/80	
Company Depco, Inc.			Connection NC		
Pool Basin			Formation Dakota ✓		Unit
Completion Date 10/6/80		Total Depth 6912' KB		Plug Back TD 6830' KB	Elevation 6067' GL
Crg. Size 5 1/2"	Wt. 15.5#	d	Set At 6888' KB	Perforations: From 6641' To 6652'	
Tbg. Size 1 1/2"	Wt. 2.9#	d	Set At 6756' KB	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. - multiple				Packer Set At 4730' KB	
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _a		County Rio Arriba			
State New Mexico		Well No. I-M (dual)			
Unit I		Sec. 5		Twp. 26N	
Rye. 7W					
L	H	G ₁	% 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							1752#				SI 7 days 3 hrs
1.	2	x	3/4"				48#	53			
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		60	1.0068	1.0000	1.0000	747
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	Deq.
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 1764 P _c ² 3,111,696			
NO.	P _t	P _w	P _w ² P _c ² - P _w ²
1	3600	212	44,944 3,066,752
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0147$$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 755$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0110$$

Absolute Open Flow	755	Mcf/d @ 15.025	Angle of Slope	Slope, n	75
Remarks:					

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