

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

Form C-122
Revised 9-1-

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-26-81					
Company Dakota Resources, Inc.						Connection					
Pool Wildcat						Formation Gallup "A"					
Completion Date			Total Depth 3707		Plug Back TD		Elevation 7014 GL		Farm or Lease Name Santa Fe Pacific		
Csg. Size 5 1/2		Wt. 15.5		Set At 3707		Perforations: From 1430 To 1436		Well No. 29-44			
Thq. Size 2 3/8		Wt.		Set At 2313		Perforations: From To		Unit Sec. Twp. Rge. 29 17N 9N			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual						Packer Set At 2239		County McKinley			
Producing Thru Casing			Reservoir Temp. *F a		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	14 Days						Pkr.		472		
1.	2" x 3/4"						"		3	60	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	11.00		15	1.000	1.240	1.000	204.6
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

$P_c = 484$ $P_c^2 = 234.2$					RECEIVED JUN 19 1981 OIL CON. COM. DIST. 13	
NO	P_1^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0009$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0006$
1	.2		.2	234.0		
2						
3						
4						
5						

$AOIF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 204.7$			
Absolute Open Flow <u>204.7</u>		Mcf/d @ 15.025	Angle of Slope θ
Remarks:		Slope, n <u>.75</u>	

Approved By Commission:	Conducted By: V. Nelson	Calculated By: N. Tefteller	Checked By:
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