

C

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 12-18-81						
Company LIVELY EXPLORATION CO.					Connection NONE						
Pool BASIN DAKOTA					Formation DAKOTA						
Completion Date			Total Depth		Tubing Back TI		Elevation		Farm or Lease Name		
					7495				LIVELY		
Csg. Size		Wt.		d		Set At		Perforations:		Well No.	
								From 7351 To 7455		10-E	
Tbg. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rge.	
1 1/2						7330		From To		M-17-29N-8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple								Packer Set At		County	
SINGLE								NONE		SAN JUAN	
Producing Thru			Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State		
TUBING			a						NEW MEXICO		
L		H		Gg		% CO ₂		% N ₂		% H ₂ S	
										Prover	
										2"X3/4" pos. ck.	
										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							1974	60	1979	60	2 DAYS
1.	2"X3/4" pos. ck.						105	60	811	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	11.0		117	1.000	1.240	1.011	1613.4				
2											
3											
4											
5											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ °R						
1											
2											
3											
4											
5											
P _c 1991 P _c ² 3964.1					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2061$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1508$						
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²							
1		823	677.3	3286.8							
2											
3											
4											
5											
Absolute Open Flow 1856.7					Mcf/d @ 15.025			Angle of Slope θ		Slope, n .75	
Remarks:											
Approved By Commission:			Conducted By:			Calculated By:			Checked By:		

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OIL CON. COM.
DIST. 3