

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

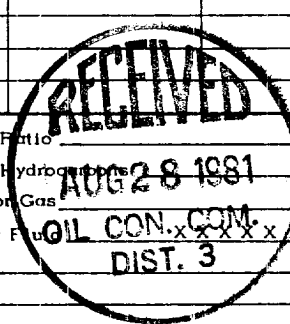
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/25/81	
Company LIVELY EXPLORATION CO.				Connection NONE	
Pool Basin Dakota				Formation Dakota	
Completion Date 7/23/81		Total Depth 6720'		Plug Back TD 6720'	
		Elevation 5990' CL		Farm or Lease Name Lively	
Csg. Size 4.500	Wt. 10.50	d 4.000	Set At 6720'	Perforations: From 6568' To 6667'	
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6555'	Perforations: From 6543' To 6553'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At --	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F	
				Baro. Press. - P _a	
State New Mexico					
L 6553'	H	G _g	% 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.	
SI							1700		1900	
1.	Pitot Tube						1350		1675	
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	Pitot Tube						2830
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon <td>_____ Deg.</td>	_____ Deg.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXXX</td>	XXXXXXX
4.					Critical Pressure <td>P.S.I.A. _____ P.S.I.A. _____</td>	P.S.I.A. _____ P.S.I.A. _____
5.					Critical Temperature <td>R _____ R _____</td>	R _____ R _____



P _c 1912	P _c ² 3,655,744	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.5145$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.0971$
NO	P _t ²	P _w	P _w ²
1		1687	2,845,969
2			809,775
3			
4			
5			

$ADP = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8764$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.75
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Remarks: Seperator Back Pressure 350 psig.

Approved By Commission:	Conducted By: Bill Matthews	Calculated By: Dewayne Blancett	Checked By:
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