

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 4-4-74			
Company Lively Exploration Company				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 3-25-74		Total Depth 6775'		Plug Back TD 6730'		Elevation 6242' RKB		Farm or Lease Name Lively	
Csg. Size 4 1/2"	Wt. 10.5#	d 4.052	Set At 6771'	Perforations: From 6511' To 6680'			Well No. 20		
Tbg. Size 1 1/2"	Wt. 2.4#	d 1.380	Set At 6655'	Perforations: From Open End To			Unit P	Soc. 12	Twp. 26N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At			County San Juan		
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g .65 est	% 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							2068		2064		7 days
1.											
2.											
3.	3/4" Pos. Choke			57		55°			563		3 hrs
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							
2							
3	12.365		69	1.0048	.9608	1.000	824
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 Liquid	XXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 2080	P _c ² 4,326,400	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0827$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0614$
NO.	P _i ²	P _w	P _w ²
1			
2			
3		575	330,625
4			
5			

Absolute Open Flow 875 Mcfd @ 15.025		Angle of Slope @		Slope, n .75
Remarks:				

Approved By Commission:	Conducted By: Crane & Fothergill	Calculated By: Crane	Checked By:
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