

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 3-6-74	
Company Lively Exploration Co.		Connection	
Pool Basin - Del Norte		Formation Del Norte	
Completion Date 2-9-74		Total Depth 6730	Plug Back TD 6665
		Elevation 6153 RKB	Farm or Lease Name Lively
Csg. Size 4 1/2"	Wt. 10.5#	d 4.052	Set At 6730
Perforations: From 6472 To 6652		Well No. 18	
Tbg. Size 1 1/4"	Wt. 2.4#	d 1.370	Set At 6635
Perforations: From Open End To		Unit M 1 26N 8W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple		Packer Set At	County San Juan
Producing Thru	Reservoir Temp. °F	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.	
1							2081		2385	
2	5/8" Pos. Choke			213		59°			1014	
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							
2	8.5417		225	1.0010	.9608	1.024	1893
3							
4							
5							

NO.	P _t	Temp. °R	T _t	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	XXXXX
4				Initial Pressure	P.S.I.A.
5				Initial Temperature	R

OIL OGM DIST. 1974

P _c 2397	P _c ² 5,745,609	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2243$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1639$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1						
2		1026	1,052,176	4,693,433		
3						
4						
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2203$

Absolute Open Flow	2203	Mcf/d @ 15.025	Angle of Slope °	Slope, n .75
--------------------	------	----------------	------------------	--------------

Remarks:

Approved By Commission:	Conducted By: Jacobs - M. S. Kelly & Foster & Hill	Calculated By: Jacobs	Checked By:
-------------------------	--	--------------------------	-------------