3-NMOCC 1-EPNG (Ulrich) 1-File
1-Lively 1-EPNG (Texas)
1-Shryack 1-EPNG (Mabe)

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

RECEIVED
MAY 30 1973
OIL CON. COM.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 5-25-73	
Company: Lively Exploration Co	Connection:			
Pool: Basin - Dakota	Formation: Dakota			Unit:
Completion Date: 5-10-73	Total Depth: 6666'	Plug Back TD: 6653'	Elevation: 5767'RKB	Farm or Lease Name: Lively
Csg. Size: 4½" / Wt.: 10.5# / d: 4.052" / Set At: 6666'		Perforations: From 6457' To 6648'		Well No.: 13
Tbg. Size: 1½" / Wt.: 2.4# / d: 1.038 / Set At: 6648'		Perforations: From Open End To		Unit: A / Sec.: 18 / Twp.: 28N / Rge.: 8W
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:	Gg: .654	% CO_2:	% N_2:
% H_2S:	Prover:	Meter Run:	Taps:	

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						2173		2187		7 days
1.										
2.	3/4" Pos Ck.		217		67°			1430		3 Hrs
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	12.365		229	.9933	.9608	1.022	2761
3							
4							
5							

NO.	P_t	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2199 P_c^2 4,835,601

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		1442	2,079,364	2,756,237
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7544$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{.75} = 1.5243$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 4209$

Absolute Open Flow 4209 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Well making Heavy slugs condensate at end of 3 Hrs

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Dugan	Jacobs	