3-NMOCC 1-Lively 1-Shryack 1-EPNG (Ullrich) 1-EPNG (Texas) 1-File

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
MAY 2 1973
OIL CON. COM.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 4-26-73	
Company: Lively Exploration Co		Connection:			
Pool: Basin Dakota		Formation: Dakota			Unit:
Completion Date: 4-11-73	Total Depth: 7564	Plug Back TD: 7524	Elevation: 6442 RKB		Farm or Lease Name: Lively
Csg. Size: 4½" / Wt.: 10.5 & 11.6# / d: / Set At: 7550		Perforations: From 7342 To 7522			Well No.: 5
Tbg. Size: 1¼" / Wt.: 2.4# / d: 1.380 / Set At: 7470		Perforations: From Open End To			Unit: P / Sec.: 1 / Twp.: 29N / Rge.: 9W
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: .650	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					2053		2058		7 days
1.									
2.	3/4" Pos. Choke	165		56°			859		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	8.5417		177	1.0039	.9608	1.018	1455
3							
4							
5							

NO.	P_r	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 2070 P_c^2 4,284,900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		151	724,201	3,560,699
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2034$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n \cdot 75} = 1.1419$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1706$

Absolute Open Flow 1706 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved by Commission:	Conducted By:	Calculated By:	Checked By: