

RECEIVED

NEW MEXICO OIL CONSERVATION COMMISSION

JUN 7 1977 MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

5F
File
122 file

R 5511

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5-27-77	
Company C.E. B.N. V. LaRue & Muncy, Jr.		Connection none	
Pool LaRue Sams Ranch Gt.		Formation Grayburg Premier	
Unit A		Farm or Lease Name Lillie Fed. Com.	
Completion Date 2/7/76	Total Depth 2342	Plug Back TD 2250	Elevation 3563
Csg. Size 5 1/2	Wt. 15.5	Set At 2340	Perforations: From 1676 To 1686
Tbg. Size 2 3/8	Wt.	Set At 1678	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 1670	County Chaves
Producing Thru Tbg.	Reservoir Temp. °F 97 @ 1676	Mean Annual Temp. °F	Baro. Press. - P _a
L 1686	H 1676	G _g .716	% CO ₂ % N ₂ % H ₂ S
Prover 6"		Meter Run Positive	Taps Choke nipple
FLOW DATA			
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.
SI			
1.	6 x 8/64		993
2.	6 x 9/64		946
3.	6 x 10/64		915
4.	6 x 11/64		861
5.			
TUBING DATA			
	Press. p.s.i.g.	Temp. °F	
	1070		
CASING DATA			
	Press. p.s.i.g.	Temp. °F	
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1.	.2618		1006.2
2.	.3346		959.2
3.	.4173		928.2
4.	.5090		874.2
5.			
NO.	R _f	Temp. °R	T _f
1.	1.51	529	1.33
2.	1.44	530	1.33
3.	1.39	530	1.33
4.	1.31	530	1.33
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c 1083.2 P _w 1173.3			
NO.	P _i ²	P _w	P _w ²
1.			1013.4
2.			921.6
3.			963.8
4.			767.1
5.			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.888$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.784$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.037$			
Absolute Open Flow 1.037 Mcfd @ 15.025 Angle of Slope 61° Slope, n .546			
Remarks:			
Approved By Commission: Conducted By: Marshall Morris Calculated By: Rick Pagan Checked By:			

LARSEN & S. CO
 Little Fed No. 1-A
 A 17-14-28 Cheves Co., NM
 May 27, 1977

