

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator NADEL GUSSMAN				Lease or Unit Name KYLE "34"			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/19/01		Well No. 1	
Completion Date		Total Depth 12200		Plug Back TD 12112		Elevation	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 12200	Perforations: From: 11970 To: 11978		County EDDY	
Tbg. Size 2 7/8	Wt. 8.7	d 2.259	Set At 11893	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11893		Formation	
Producing Thru TUBING		Reservoir Temp. °F 192.9		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
Connection SALES							
L 11893	H 11893	Gg 0.694	%CO ₂ 0.072	%N ₂ 0.626	%H ₂ S N/A	Prover N/A	Meter Run 2.068
Taps FLG							
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	2.068 X 1.500		275	4	62	300	
2							
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 F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							407
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	
3							
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A		Mcf bbl.
1					A.P. I. Gravity of Liquid Hydrocarbons N/A		Deg.
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.694		XXXXXX
3					Specific Gravity Flowing Fluid N/A		XXXXXX
4					Critical Pressure 672		P.S.I.A. P.S.I.A.
5					Critical Temperature 384		R. R.
P _c 3993.6 P _{c2} 15948.8							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{1.006}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.006$		
1	98.1	319.1	101.8	15847			
2							
3							
4							
5							
Absolute Open Flow 410				Mcfd @ 15.025		Angle of Slope (°) 45	
Slope n: 1							
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESURE. / NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	