

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 Alacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

CISK

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBORNE OIL CO.				Lease or Unit Name BALDRIDGE CANYON "7" ST.			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/15/01		Well No. 1	
Completion Date 2/4/01		Total Depth 11300		Plug Back TD 10850		Elevation 4045 GL	
Csg. Size 5 1/2		Wt. 17		d 4.892		Set At 11300	
Tbg. Size 2 7/8		Wt. 6.5		d 2.441		Set At 9508	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 9512		Formation STRAWN B&C	
Producing Thru TUBING		Reservoir Temp. °F 165.5		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 9512		H 9512		Gg 0.702		%CO ₂ 0.569	
				%N ₂ 0.829		%H ₂ S N/A	
				Prover N/A		Meter Run 3.068	
						Taps FLG	
FLOW DATA				TUBING DATA			
Casing Data				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	3.068 X 1.125		640	6.25	75	925	N/A
2	3.068 X 1.125		645	22	90	830	N/A
3	3.068 X 1.125		660	36	90	750	N/A
4	3.068 X 1.125		660	36	85	695	N/A
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							595
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	1122
3							1452
4							1452
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 0.702 XXXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 672 P.S.I.A. P.S.I.A.		
5					Critical Temperature 388 R. R.		
P _c 972.2 P _w 945.2							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.44$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.65$		
1		933.7	871.8	73.4			
2		872.5	761.2	184			
3		802.1	643.4	301.8			
4		747.8	559.2	386			
5							
Absolute Open Flow 2395.8 Mcfd @ 15.025				Angle of Slope (°) 60.64 Slope n: 0.5624			
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES. NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	