

WELL FILE

clsf

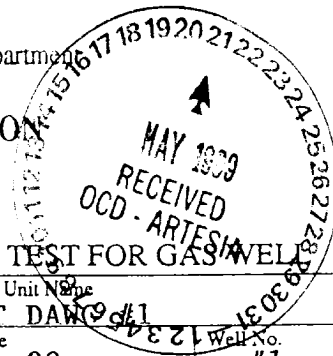
Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS/WELL

Operator PRIMERO OPERATING				Lease or Unit Name CUT DAWG #1			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-4-99			
Completion Date 3-1-99		Total Depth		Plug Back TD 7999		Elevation	
Csg. Size 4.5		Wt. 13.5		d 3.92		Set At 7999	
Tbg. Size 2.375		Wt. 4.7		d 1.992		Set At 7620	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 7620		Formation PENN	
Producing Thru TUBING		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press - P. 13.2	
L 7794		H 7794		Gg 0.889		% CO ₂	
				% N ₂ 8.897		% H ₂ S	
				Prover		Meter Run 3	
						Taps	

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	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI										
1.	3	x 1.000	100	23	60	1650				1 hr
2.	3	x 1.000	110	55	60	1400				1 hr
3.	3	x 1.375	110	40	60	1130				1 hr
4.	3	x 1.375	100	55	60	695				1 hr
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, F _{pv}	Rate of Flow Q, Mcfd
1.	5.118	51.03	113.2	1.000	1.0606	1.0202	283
2.	5.118	82.32	123.2	1.000	1.0606	1.0221	457
3.	10.490	70.20	123.2	1.000	1.0606	1.0221	798
4.	10.490	78.91	113.2	1.000	1.0606	1.0202	896
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P. I. Gravity of Liquid Hydrocarbons _____ Deg
2.					Specific Gravity Separator Gas _____ XXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P_c **2741.1** P_w **7513.6**

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.		1873.4	3509.4	4004.2		
2.		1524.8	2325.1	5188.5		
3.		1206.2	1455.0	6058.7		
4.		732.9	537.2	6976.4		
5.						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1036.0$$

Absolute Open Flow **1036.0** Mcfd @ 15.025 Angle of Slope θ **27°** Slope, n **1.96**

Remarks: **choke 1st rate 6/64 2nd rate 9/64 3rd rate 12/64 4th rate 16/64**

Approved By Division _____ Conducted By: **KELTIC SERVICES** Calculated By: **MIKE KELLY** Checked By: _____