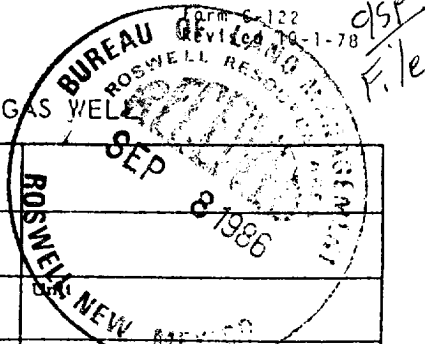


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-28-86	
Company McCLELLAN OIL CORP.		Connection AIR	
Pool <i>Pecos Slope Abo</i>		Formation ABO	
Completion Date 9-2-86	Total Depth 3580	Plug Back TD 3326	Elevation 3950' GL
Farm or Lease Name TOLES <i>Fuel</i>		Well No. RED #2	
Cg. Size 4 1/2	Wt. 9.5	Set At 3326	Perforations: From 2946 To 3084
Tbg. Size 2-3/8	Wt. 4.7	Set At 2964	Perforations: From OPEN To ENDED
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE		Packer Set At NONE	
Producing Thru TUBING		State NEW MEXICO	
L	H	Gg	% CO ₂
		6.19	304
			7.358
			--
			2"

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	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	
SI											
1.	2	X	1/16	925		62	941		940		1 hr.
2.	2	X	3/32	875		64	893		900		"
3.	2	X	1/8	800		64	812		820		"
4.	2	X	7/32	525		64	530		540		"
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	.06405		938.2	.9962	1.2710	1.0871	82.7
2	.1410		888.2	.9962	1.2710	1.0809	171.4
3	.2648		813.2	.9962	1.2710	1.0736	292.7
4	.8393		538.2	.9962	1.2710	1.0471	598.9
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 _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure 671.55 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 363 R _____ R

P _c 1063.2 P _c ² 1130						
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4286$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3736$
1		1030.2	1061	69		
2		976.2	953	177		
3		889.2	791	340		
4		582.2	339	791		
5						

Absolute Open Flow 823 Mcfd @ 15.025	Angle of Slope θ 42°	Slope, n .89
--------------------------------------	----------------------	--------------

Remarks: BOTTOM HOLE PRESSURES RECORDED WITH AMERADA TYPE GAUGE.

Approved By Division	Conducted By: KELTIC SERVICES	Calculated By: KELLY	Checked By:
----------------------	----------------------------------	-------------------------	-------------