

C/S F
22 File
10-1-78

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122 **F.I.**
Revised 10-1-78

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-3-85	
Company McCLELLAN OIL CORP. ✓		Connection AIR	
Pool S. P. ...		Formation ABO	
Completion Date 10-19-84		Total Depth 11690	
Plug Back TD 4562		Elevation 3205	
Farm or Lease Name TYRELL Ed ...		Well No. #2	
Casing Size 4 1/2"		Perforations: From 4257 To 4377	
Tubing Size 2 3/8"		Perforations: From OPEN To ENDED	
Type Well - Single - Brokenhead - G.G. or G.O. Multiple SINGLE		Packer Set At NONE	
Producing thru TUBING		Baro. Press. - P ₀ 13.2	
State NEW MEXICO		County CHAVES	
L		H	
C _g .68		% CO ₂	
% N ₂		% H ₂ S	
Prover		Meter Run 3	
Taps PIPE			

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
1.	3		1.25	200	8	26	920		940		1 Hr.
2.	3		1.25	200	33	28	870		940		
3.	3		1.25	200	47	39	709		810		
4.	3		1.25	200	51	44	539		640		
5.							385		505		

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, Mhd
1	8.403	41.299	213.2	1.0344	1.2127	1.0285	448
2	8.403	83.878	213.2	1.0312	1.2127	1.0279	906
3	8.403	100.102	213.2	1.0208	1.2127	1.0260	1068
4	8.403	104.275	213.2	1.0157	1.2127	1.0252	1168
5							

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

P _c 1092.2 P _c ² 1193				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		1059.2	1122	71
2		876.2	768	425
3		676.2	457	736
4		532.2	283	910
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.311$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1275$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.092$$

Post ID-2
2-1-85
Comp + BK

Absolute Open Flow	1275	Mhd @ 15.025	Angle of Slope @	72	Slope, n	1.092
Remarks: BOTTOM HOLE PRESSURES RECORDED W/AMERADA TYPE GAUGE.						

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