

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

State of New Mexico
Energy, Minerals and Natural Resources Dept

Form C-122
Revised 4-1-91

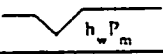
OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator ENRON OIL & GAS Company						Lease or Unit Name SAND TANK 31 FED COM					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6/2/98		Well No. 2			
Completion Date 5/16/98		Total Depth 11460		Plug Back TD 11392		Elevation 3561' GR		Unit Ltr. - Sec. - TWP - Rge. 31 17S 30E			
Csg. Size		Wt.		d		Set At		Perforations:		County EDDY	
Tbg. Size		Wt.		d		Set At		Perforations:		Pool Sand Tank (Morrow)	
3-1/2		9.3		2.750		11460		From: 11,094 To: 11122			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At none		Formation Morrow Clastics			
Producing Thru tbg		Reservoir Temp. °F 158.9		Mean Annual Temp. °F 60°		Baro. Press - P _a 13.2		Connection SALES			
L 11,116		II 11,116		Gg .678		% CO ₂ .491		% N ₂ .693		% H ₂ S N/A	
								Prover -0-		Meter Run 4.026	
										Taps 62g	

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							2110	N/A	N/A	N/A	
1.	4.026	X	2.750	736	2.1	114°	1995				60 min
2.	4.026	X	2.750	742	5.3	80°	1908				60 min
3.	4.026	X	2.750	756	10.0	76°	1810				60 min
4.	4.026	X	2.750	769	17.7	60°	1640				60 min
5.											

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{spv}	Rate of Flow Q, Mcfd
1.							2028
2.							3592
3.		VOLUMNS FROM TOTAL FLOW METER					4982
4.							6566
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl
1.					25.548	
2.					60.8	
3.					.678	XXXXXXXXXX
4.					672	PSIA 669 PSIA
5.					378	R 414 R

P_c 3025.7 P_c² 9154.9

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.		2910.8	8472.7	682.2
2.		2802.5	7853.7	1301.1
3.		2662.9	7091.0	2063.8
4.		2445.1	5978.7	3176.2
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2,882$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,230$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 14,644$

Absolute Open Flow	14,644	Mcf/d @ 15.025	Angle of Slope θ	52.84	Slope, n	7577
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Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES

* WELL MADE 28 BBLs OF 60.8 API GRAVITY CONDENSATE

Approved By Division	Conducted By: PRO WELL TESTING	Calculated By: MB	Checked By: BM
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