

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

well file

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1/9/73		JAN 15 1973	
Company Cordine Grace				Connection Transwestern			O. C. C. ARTESIA OFFICE	
Pool South Carlisbad				Formation Morrow			Unit	
Completion Date 3/3/72		Total Depth 12963		Plug Back TD 11661		Elevation 5194 CR		Farm or Lease Name Copero
Csg. Size 4 1/2	Wt. d	Set At 12050	Perforations: From 11663 To 11763			Well No. 1		
Tbg. Size 2 3/8	Wt. 4.70	d 1.995	Set At 11673	Perforations: From Crown end To			Unit G Sec. 25 Twp. 22S Rge. 24E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11673			County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 19.8 @ 11493		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2		State New Mexico
L 11673	H 11673	Gg .5553	% CO ₂ .0009	% N ₂ .0022	% H ₂ S ---	Prover	Meter Run X	Taps Flange

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							2102				50
1.	A	X	1.50	605	10	56	616	10			1
2.	A	X	1.50	600	7.5	56	656	10			1
3.	A	X	1.50	600	5.5	54	712	11			1
4.	A	X	1.50	600	3.5	50	867	10			1
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	10.02	70.63	613.2	1.004	1.307	1.053	1173
2	10.02	67.42	613.2	1.004	1.307	1.052	1035
3	10.02	53.87	613.2	1.003	1.307	1.052	872
4	10.02	46.93	613.2	1.010	1.307	1.054	699
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio TSCM Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.	0.92	516	1.47	.902	Specific Gravity Separator Gas 535	X X X X X X X X
2.	0.91	516	1.47	.903	Specific Gravity Flowing Fluid X X X X X	
3.	0.92	514	1.47	.903	Critical Pressure 672 P.S.I.A.	P.S.I.A.
4.	0.91	510	1.46	.900	Critical Temperature 390 R	R
5.						

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1		693.0	120	3994	1.1202	1.1202
2		693.4	122	3990		
3		713.1	582	3922		
4		639.5	791	3055		
5						

Absolute Open Flow 1320 Mcfd @ 15.025				Angle of Slope θ _____	Slope, n 1.00
Remarks: _____					
Approved By Commission:		Conducted By: <i>MCET</i>	Calculated By: <i>W. M. M. M. M.</i>	Checked By: <i>J. W. W.</i>	