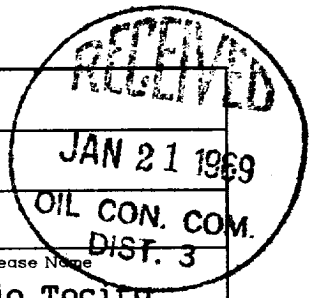


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised/9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-13-69	
Company Southern Gulf Prod. Co.				Connection --			
Pool Navajo				Formation Navajo		Unit	
Completion Date 12-31-68		Total Depth 6397		Plug Back TD 6396		Elevation 5705	
Csg. Size 4 1/2"	Wt. 9.5	d 4.090	Set At 6397	Perforations: From 6382 To 6392		Well No. 4	
Tbg. Size 2-3/8	Wt. 4.7	d 1.99	Set At 6375	Perforations: From Open end To		Unit Sec. Twp. Rge. L 10 26N 18W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		State New Mexico	
L	H	Gg 0.876	% CO ₂	% N ₂ 58.0	% H ₂ S 0	Prover	Meter Run 4"
Taps Flg.							

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							2584		2585		3 days
1.	4		2.00	599	16	53°	2509		2585		1 hr
2.	4		2.00	660	29	52	2472		2585		1 hr
3.	4		2.00	725	60	54	2381		2585		1 hr
4.	4		2.00	753	100	60	2262		2582		1 1/2 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, Fpv	Rate of Flow Q, Mcfd
1	25.58	98.8	611	1.0068	.8353	1.126	2,393
2.	25.58	139.6	672	1.0078	.8353	1.160	3,487
3.	25.58	210.4	737	1.0058	.8353	1.154	5,217
4.	25.58	276.0	765	1.0000	.8353	1.164	6,864
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 35,480 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
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 2597	P _c ² 6744	
NO.	P _t ²	P _w ²
1	2597	6744
2	2597	6744
3	2597	6744
4	2594	6729
5		

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

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

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

Absolute Open Flow 155.126 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____
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Remarks: **Could not obtain proper drawdown due to limit on capacity of test unit. Choke sizes - Flow Rate #1 12/64 #2 16/64 #3 20/64**

#4 25/64

Approved By Commission:	Conducted By: Dave Collis	Calculated By: Dave Collis	Checked By:
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