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1. 0-122 1/2
2. 11563
Form C-122
Revised 9-1-65

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

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-15-78		MAY - 5 1978	
Company Texas Oil & Gas Corporation			Connection None as yet		
Pool South Millman <i>monow</i>			Formation Morrow		
Completion Date 4/17/78		Total Depth 11049		Plug Back TD 10975	
		Elevation 3415 KB		Farm or Lease Name Exxon "B" State Com	
Csg. Size 4 1/2"	Wt. 11.6&13.5	Set At 11049	Perforations: From 10,604 To 10,835		Well No. 1
Thg. Size 2 3/8"	Wt. 4.7	Set At 10,495	Perforations: From		Unit Sec. Twp. Rge. G 29 19S 28E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At 10,495		County Eddy
Producing Thru Tubing 10,720		Reservoir Temp. °F 173 @ 10,720	Mean Annual Temp. °F 13.2		State New Mexico
L 10,720	H	Gg .639	% CO ₂ 2.0	% N ₂ .43	% H ₂ S Trace
		Prover X	Meter Run		Taps

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							2847	67			
1.	2"	X	7/16"	364		4	2135	59			1 Hr.
2.	2"	X	7/16"	226		7	2225	59			1 Hr.
3.	2"	X	7/16"	116		9	2363	59			1 Hr.
4.	2"	X	7/16"	68		17	2513	57			1 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	3.408		377.2	1.059	1.251	1.055	1,797
2	3.408		239.2	1.055	1.251	1.033	1,111
3	3.408		129.2	1.053	1.251	1.017	590
4	3.408		81.2	1.044	1.251	1.010	365
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.563	464	1.247	.898	None Produced	
2.	.357	467	1.255	.938		
3.	.193	469	1.261	.967		
4.	.121	477	1.282	.981		
5.						

NO.	P _f ²	P _s	P _s ²	P _f ² - P _s ²
1		3006.2	9,037	5260
2		3066.2	9,402	4895
3		3244.2	10,525	3772
4		3479.2	12,105	2192
5				

$$(1) \frac{P_f^2}{P_f^2 - P_s^2} = \frac{14,297}{5260}$$

$$AOF = Q \left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 4,803$$

$$(2) \left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 2.6730$$

Absolute Open Flow	4,803	Mcf/d @ 15.025	Angle of Slope °	45°	Slope, n	1.000
Remarks:						
Approved By Commission:		Conducted By:		Checked By:		
		TOM HANSEN CO., INC. Mr. Harrington				