

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

C/SF
12.3
File ✓
Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-21-80		NOV 25 1980	
Company Threshold Development Co.				Connection Transwestern Pipeline			
Pool Turkey Track Atoka				Formation Atoka		Unit -	
Completion Date 10-12-80		Total Depth 11,700'		Plug Back TD 11,602'		Elevation 3378.5'GR	
Farm or Lease Name Conoco 10"A" State				Well No. 1Y			
Csg. Size 5-1/2"	Wt. 17#	d 4.767	Set At 11,682'	Perforations: From 10,748' To 10,758'		Unit 1Y	
Tub. Size 2-1/16"	Wt. 3.25#	d 1.657	Set At 10,538'	Perforations: From To		Unit Soc. Twp. Rge. F 10 19S 29E	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Dual gas				Packer Set At 10,538'		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 168@10,753		Mean Annual Temp. °F 68		State New Mexico	
L 10,538'	H 10,538'	Gg .700	% CO ₂	% N ₂	% H ₂ S None	Prover	Meter Run 2"
						Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	of Flow
51	2 x	1.250		3744			5146		Packer		72 hr.
1.	2 x	1.250		1500	5	24	3921	76	Packer		1 hr.
2.	2 x	1.250		1050	9	60	2733	76	Packer		1 hr.
3.	2 x	1.250		820	20	70	1704	76	Packer		1 hr.
4.	2 x	1.250		620	25	76	1399	76	Packer		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, Mscf/d
1	8.319	43.5	393.2	1.0355	.9258	1.049	364
2	8.319	62.2	443.2	1.0006	.9258	1.060	508
3	8.319	91.6	433.2	.9905	.9258	1.107	774
4	8.319	114.5	538.2	.9850	.9258	1.064	924
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	None	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons		Deg.
2.					Specific Gravity Separator Gas	.700	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 5159.2 P _c ² 26617			
NO.	P _c ²	P _w	P _w ²
1	3934.2	15478	11139
2	2746.2	7542	19075
3	1717.2	2949	23668
4	1412.2	1994	24623
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.08$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.080$	
$Q = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 998.8$			

Absolute Open Flow	998.8	Mscf @ 15.025	Angle of Slope θ	45°	Slope, n	1
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Remarks:			

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	C. Allen Dorsey Wireline	C. Allen Dorsey Wireline	Meyer, Moritz & Co.