

File

Form C-122
Revised 5-1-65

NE. MEXICO OIL CONSERVATION COMMS. N
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS-WEEL

JUL 29 1969

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7/22/69		O. C. G.	
Company Texaco, Inc.				Connection None		ARTESIA, OFFICE	
Pool Undes. Paduca Korrow				Formation Korrow		Unit	
Completion Date 7/22/69		Total Depth 15,600		Plug Back TD 15,017		Elevation 3506	
Farm or Lease Name Cotton Draw Unit		Well No. 67		Perforations: From 14,876 To 14,930		Unit Sec. Twp. Rge. 21 35 24S 31E	
Csg. Size 5-1/2		ID 2.922		Set At 15,000		Perforations: From 14,700 To 14,716	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 14,700		County Eddy		State New Mexico	
Producing Thru Tbgs		Reservoir Temp. °F 215 @ 14904		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2	
L 14,700		H Gg .574		% CO ₂ 0.99		% H ₂ S 0.07	
Prover 14,700		Meter Run 4,026		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							Packer				97.5
1.	4.026 x 2.25			753	9.0	55					1
2.	4.026 x 2.25			760	10.0	55					1
3.	4.026 x 2.25			765	11.0	55					1
4.	4.026 x 2.25			768	12.0	55					1
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	25.64	23.04	766.2	1.000	1.230	1.043	2827
2	25.64	110.0	773.2	1.000	1.230	1.041	3939
3	25.64	155.2	778.2	1.000	1.230	1.044	5238
4	25.64	216.5	781.2	1.000	1.230	1.050	7522
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.G. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	1.13	559	1.62	.556	None - Dry Gas		.574	X X X X X X X X	376	21.5
2	1.14	565	1.64	.562			X X X X X			
3	1.15	560	1.62	.567						
4	1.16	564	1.59	.567						
5.										

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1	5552.2	30827	23577	2250	5.0150	2.3537
2						
3						
4						
5						

Absolute Open Flow				Angle of Slope	
15,090 Mcfd @ 15.025				Slope, n .6398	

Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	Checked By: