

MULTIPOINT AND ONE POINT BACK PRESSURE TEST GAS WELL

Form C-172
Revised 9-1-65

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O. C. D.

Unit ARTESIA, OFFICE

☒ Initial ☐ Annual ☐ Special				Test Date 2/26/85	
Company TXD Prod. Corp. TEXAS OIL & GAS		Connection AIR NEW WELL			
Location E. Carlsbad Wellcamp		Formation WOLF CAMP			
Completion Date 2/25/85 2-7-85		Total Depth 10,001		Elevation 3067	
Well Size 4.500		Well ID 11.6		Well No. 1	
Well Size 2.375		Well ID 4.7		Well No. 1	
Well Type SINGLE		Packer Set At 9506		County EDDY	
Well Temp. °F 226		Mean Annual Temp. °F 60.0		State NEW MEXICO	
Well ID 9702		Well ID 9702		Well ID 9702	
Well ID 9702		Well ID 9702		Well ID 9702	

FLOW DATA						TUBING DATA		B.H.P. DATA		Duration of Flow
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.	CHOKE	
2.07	X	1.250	99	4.0	72	3705	0	5284	3.5/64	1.0
2.07	X	1.250	102	7.8	69	3440	0	5013	4.5/64	1.0
2.07	X	1.250	99	13.0	69	3120	0	4711	5.5/64	1.0
2.07	X	1.250	99	17.6	69	2850	0	4421	6.5/64	1.0

RATE OF FLOW CALCULATIONS

Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mcfd
8.70	21.19	112.2	.9887	1.1547	1.0131	213
8.70	30.10	115.6	.9915	1.1547	1.0137	304
8.70	38.14	112.2	.9915	1.1547	1.0133	385
8.70	44.49	112.2	.9915	1.1547	1.0133	449

P _h	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
.17	532	1.33	.974	13.2	56.6	.750	XXXXXX	673	400
.17	529	1.32	.973						
.17	529	1.32	.974						
.17	529	1.32	.974						

P _h	P _w	P _h ²	P _w ²	P _h ² - P _w ²	(1) $\frac{P_h^2}{P_h^2 - P_w^2} = 2.2525$	(2) $\left[\frac{P_h^2}{P_h^2 - P_w^2} \right]^n = 1.6774$
28060	3834	14700	2253			
25263	3590	12891	4062			
22318	3323	11041	5912			
19662	3070	9427	7526			

Rate Open Flow 753		Mold # 15.025		Angle of Slope 57.5		Slope, n .637	
Flow 4.25 BBLS CONDENSATE NO H2O							
Well By Commission		Conducted By		Calculated By		Checked By	