

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						
Company TXO PRODUCTION CO.					Connection TO AIR											
Pool OSUDO WEST					Location WOLFCAMP					Unit						
Completion Date 6-24-85			Total Depth 12,884		Plug Back TD 11950		Elevation		Farm or Lease Name Jordan "B"							
Csq. Size 5 1/2"	Wt. 17#	d 4.892	Set At 12884	Perforations: From 11440 To 11445				Well No. 2								
Tbg. Size 2 7/8"	Wt. 6.4#	d 2.441	Set At 11289	Perforations: From OPEN ENDED				Unit G	Sec. 11	Twp. 20S	Rge. 35E					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE							Packer Set At 11289		County LEA							
Producing Thru Tubing		Reservoir Temp. °F 187° @ 11442'		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2		State N.M.								
L 1:1442	H 11442	Gg .7582	% CO ₂ 1.507	% N ₂ .797	% H ₂ S	Prover	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									PKR	CHOKE	72 Hrs.					
1.	4.026	x	2.000	41	4	70°	2380	75°		6 1/2/64	1 Hr.					
2.	4.026	x	2.000	41	6 1/2	70°	2310	75		8/64	1 Hr.					
3.	4.026	x	2.000	40	25	70	2090	75		16/64	1 Hr.					
4.	4.026	x	2.000	42	41	70	1950	75		11 3/4	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd									
1	19.81	14.72	54.2	.9905	1.149	NIL	331.8									
2	19.81	18.41	54.2	.9905	1.149	NIL	415.1									
3	19.81	36.47	54.2	.9905	1.149	NIL	822.2									
4	19.81	47.57	54.2	.9905	1.149	NIL	1072.5									
5																
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 6.875 Mcf/bbl.											
					A.P.I. Gravity of Liquid Hydrocarbons 53.7 @ 60° Deg.											
1.	.08	530	1.31	NIL	Specific Gravity Separator Gas .7582			XXXXXXXXXX								
2.	.08	530	1.31	NIL	Specific Gravity Flowing Fluid XXXXX											
3.	.08	530	1.31	NIL	Critical Pressure 674 P.S.I.A.			P.S.I.A.								
4.	.08	530	1.31	NIL	Critical Temperature 405 R			R								
5.																
P _c 4698		P _c ² 22071.2														
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{22071.2}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{9418.9}{P_c^2 - P_w^2}$											
1		4483	20097.3	1973.9												
2		4350	18922.5	3148.7												
3		3997	15976	6095.2												
4		3357	12652.3	9418.9	AGF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2513.8}{P_c^2 - P_w^2}$											
5																
Absolute Open Flow 2514		Mcf/d @ 15.025			Angle of Slope @ 45°			Slope, n 1.000								
Remarks: calculated from known Bottom Hole Pressures taken with a Kuster Gauge																
Well made 16 Bbls. of condensate during test.																
Approved By Commission:			Conducted By: R.W.			Calculated By: J.D.			Checked By: J.D.							

EXHIBIT 970011

986. 8-136

2011. 11. 11