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OIL CONSERVATION DIVISION

APR 23 1991

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501MULTIPOINT AND ONE POINT BACK PRESSURE TEST **O. C. D. ARTESA, OFFICE**

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 04-15-91	
Company Texaco, Inc.				Connection	
Pool <i>Wildcat Azoka</i>				Formation Strawn	
Completion Date 02-09-91		Total Depth 12,726		Plug Back TD 12,623	
Csq. Size 7"		Wt. 26		Set At 12726	
Thq. Size 2 3/8		Wt. 4.7		Set At 12058	
Perforations: From 12170 To 12186		Perforations: From OPEN To END		Well No. <i>11 #1</i>	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single				Packer Set At 11923	
Producing Thru Tubing		Reservoir Temp. °F 196 @ 12170		Mean Annual Temp. °F 60	
Baro. Press. - P _a 13.2		State New Mexico		County Eddy	
L 12058		H 12058		C _g .582	
% CO ₂ .39		% N ₂ .70		% H ₂ S ---	
Prover		Meter Run 3.068		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							1073		PKR		72 hrs
1.	3	X	1.375	449	2.00	69	703		PKR		1 hr.
2.	3	X	1.375	443	2.30	72	588		PKR		1 hr.
3.	3	X	1.375	439	2.30	74	468		PKR		30 mins.
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mc/d
1.	9.249	30.40	462.2	.9915	1.311	1.036	379
2.	9.249	32.39	456.2	.9887	1.311	1.035	402
3.	9.249	32.25	452.2	.9868	1.311	1.035	399
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mc/d/bbl.
1.	.68	529	1.51	.932	DRY GAS	
2.	.67	532	1.52	.933	DRY	
3.	.67	534	1.52	.933		
4.						
5.						

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.783$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.335$
1		719.9	518.3	661.6			
2		606.2	367.5	812.3			
3		487.5	237.6	942.2			
4							
5							

Absolute Open Flow				506	Mc/d @ 15.025	Angle of Slope @	63.5	Slope, n	.500	
Remarks: ONLY (3) THREE RATES WERE OBTAINED NO FLUID PRODUCED DURING TEST										
Approved By Division			Conducted By:			Calculated By:			Checked By:	
Texaco, Inc.			RM			RM			RM	

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