

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin Dakota			Formation Dakota			County San Juan		
Initial		Annual		Special X		Date of Test 4-7-66		
Company Texaco Inc.				Lease New Mexico Com. "P"			Well No. 1	
Unit A	Sec. 36	Twp. T30N	Range R10W		Purchaser			
Casing 4 1/2	Wt. 10.5	I.D. 4.00	Set at 7131		Perf. 6898 6805	To 7006 6834		
Tubing 2 3/8"	Wt. 4.7	I.D. 1.99	Set at 7033		Perf. 7033	To Open End		
Gas Pay:	From 6805	To 7006	L 7033	G .690	GL	Bar. Press.		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 4-7-66		Packer			Reservoir Temp.			

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) XXXX 3/4	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI						1878		1941		7 days
1.		3/4				262	76°	982		3 hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF P D @ 15,025 psia
1.	12.365		274	.9850	.9325	1.028	3,199
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c _____ (1-e^{-S}) _____ P_c _____ P_c^2 _____

No.	$\frac{P_w}{P_t}$ psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	$\frac{P_w^2}{P_c^2}$	$P_c^2 - P_w^2$	Cal $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.									
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4006** MCFPD; n **.75**

COMPANY _____ WITNESSED *C. J. Farmer*

ADDRESS _____ COMPANY _____

AGENT AND TITLE _____

