

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Basin Dakota Formation Dakota County San JuanInitial ✓ Annual _____ Special _____ Date of Test 9-15-61Company Texaco Inc Lease L. M. Barton Well No. _____Unit F Sec. 12 Twp. 30 N Rge. 12 W Purchaser _____Casing 7" 26* 6.28 4790 6532 6588 6609 To 6544 6596 6636Casing 4 1/2" Wt. 9.5 I.D. 4.09 Set at 4790-6764 Perf. _____ To _____Tubing 2 3/8 Wt. 4.7 I.D. 1.99 Set at 6485 Perf. _____ To _____Gas Pay: From 6532 To 6636 L 6485 xG .700 -GL 4540 Bar.Press. _____Producing Thru: Casing _____ Tubing X Type Well Dual Gas GasDate of Completion: 9-15-61 Packer Set @ 6485 Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						1750				7 Days
1.	2	3/4"				176	75°			3 hours
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-MCFPD @ 15.025 psia
1.	12.365		188	.9859	.9258	1.019	2,162
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

P_c 4702 (1-e^{-s}) .281

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

P_c 1762 P_c 3104

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	18	35.34	20.33	413.2	116.1	151.5	2854		389
2.									
3.									
4.									
5.									

Absolute Potential: 2,305 MCFPD; n .75COMPANY Texaco IncADDRESS Box 810 Farmington N.M.AGENT and TITLE David L. Collins District Gas Man

WITNESSED _____

COMPANY _____

REMARKS

(1088)^{.75} = 1.066

