

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
Initial ✓ Annual _____ Special _____ Date of Test 7-11-61
Company Texaco Inc. Lease State of New Mexico
Gas Unit "H" Well No. 1
Unit D Sec. 36 Twp. 30 N Rge. 13 W Purchaser _____
Casing 4 1/2 Wt. 9.5 I.D. 4.0 Set at 6386 Perf. 6168 To 6180
6240
Tubing 2 3/8 Wt. 4.7 I.D. 1.99 Set at 6309 Perf. open ended To _____
Gas Pay: From 6168 To 6306 L 6309 xG _____ -GL _____ Bar. Press. _____
Producing Thru: Casing _____ Tubing ✓ Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 7-11-61 Packer _____ 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.	
1.						1934		1985		7 days
2.		.750			88°	372		869		3 hrs
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		384	.9741	.9498	1.033	4.538
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c _____ (1-e^{-s})

Specific Gravity Separator Gas .665
Specific Gravity Flowing Fluid _____
P_c 1.997 P_c 3.988

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.						776.2	3212.		
2.									
3.									
4.									
5.									

Absolute Potential: 5.337 MCFPD; n .75COMPANY Texaco IncADDRESS Box 810 Farmington, N.M.AGENT and TITLE David S. Collier (District Gas man)

WITNESSED _____

COMPANY _____

REMARKS

$$(1.241)^{.75} = 1.176$$

