

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

1961 JUN 26 AM 5:32

Pool Jalmat Formation Yates County Lea
 Initial X Annual _____ Special _____ Date of Test 6-12/6-16-61
 Company Texaco, Inc. Lease E.E. Blinebry "A" Well No. 2Ut
 Unit I Sec. 31 Twp. 23 Rge. 37 Purchaser El Paso Natural Gas Co.
 Casing 5 1/2" Wt. 14.0 I.D. 5.012 Set at 3663 Perf. 3037 To 3220
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 3470 Perf. _____ To _____
 Gas Pay: From 3037 To 3220 L 3037 xGMix .651-GL 1977 Bar.Press. 13,2
 Producing Thru: Casing X Tubing _____ Type Well G.O. Dual
 Single-Bradenhead-G. G. or G.O. Dual
 Date of Completion: 11-17-60 Packer 3470 Reservoir Temp. _____

OBSERVED DATA

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

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(<u>Prover</u>) (Line) Size	(<u>Choke</u>) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI								730		72
1.	4.000	2.00	542	9.61	75			700		24
2.	"	"	537	15.21	75			670		24
3.	"	"	525	29.16	70			637		24
4.	"	"	520	49.00	70			605		24
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	25.58	73.04	555.2	.9850	.9645	1.050	1864
2.	"	91.48	550.2	.9859	"	1.050	2336
3.	"	125.28	538.2	.9905	"	1.051	3217
4.	"	161.64	533.2	.9905	"	1.051	4151
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 562.0 cf/bbl.
 Gravity of Liquid Hydrocarbons 41.2 @ 60 deg.
 P_c 1.712 (1-e^{-s}) 0.127
 Specific Gravity Separator Gas .645
 Specific Gravity Flowing Fluid .8193
 P_c 743.2 P_c 572.3

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.	713.2	508.6	3.191	10.182	1.29	509.9	42.4	714.1	.9608
2.	683.2	466.8	3.999	15.992	2.03	466.8	83.5	684.7	.9213
3.	650.2	422.8	5.507	30.327	3.85	426.6	125.7	653.1	.8788
4.	618.2	382.2	7.106	50.495	6.41	388.6	163.7	623.3	.8387
5.									

Absolute Potential: 11,500 MCFPD; n .826 845

COMPANY Texaco, Inc.
 ADDRESS P.O. Box 1270 Midland, Texas
 AGENT and TITLE F.W. Moore District Gas Foreman
 WITNESSED J.B. Murray
 COMPANY El Paso Natural Gas Company

REMARKS

Initial Test
New Conn.
Alf