NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AN[illegible]NE POINT BACK PRESSURE TEST F GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☐ Initial ☐ Annual ☒ Special			Test Date: 4-11-75	
Company: TEXACO Inc.		Connection: Northern Natural Gas		
Pool: Tubb Gas		Formation: Tubb		Unit
Completion Date: 11-4-74	Total Depth: 7100	Plug Back TD: 7091	Elevation: 3361	Farm or Lease Name: NCT-1 A.H. Blinebry Fed.
Csg. Size: 2 7/8 / Wt.: 6.5 / d: 2.347 / Set At: 7099		Perforations: From 6152 To 6266		Well No.: 23
Tbg. Size: 1½ / Wt.: 2.75 / d: 1.516 / Set At: 5924		Perforations: From To		Unit: C / Sec.: 29 / Twp.: 22-S / Rge.: 38-E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual Gas - Oil		Packer Set At: 5924		County: Lea
Producing Thru: Tubing	Reservoir Temp. °F: 130 @ 7098	Mean Annual Temp. °F	Baro. Press. – P_a	State

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6209	6209	0.711	.0289%	2.370%	None		4.026	Pipe

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					962	60			
1.	4 x 1.250	166.8	0.5	32	926	50			1 hr.
2.	4 x 1.250	166.8	3.0	55	840	53			1 hr.
3.	4 x 1.250	169.1	6.0	55	763	55			1 hr.
4.	4 x 1.250	169.1	7.0	56	593	55			1 hr.
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	7.930	9.5	180	1.0281	1.186	1.023	94
2.	7.930	23.2	180	1.0048	1.186	1.020	224
3.	7.930	33.1	182.3	1.0048	1.186	1.021	319
4.	7.930	35.7	182.3	1.0039	1.186	1.020	344
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	0.27	492	1.29	0.955
2.	0.27	515	1.35	0.961
3.	0.28	515	1.35	0.960
4.	0.28	516	1.35	0.960
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure 661 P.S.I.A. 661 P.S.I.A.
Critical Temperature 381 R 381 R

P_c 975 P_c^2 951

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	882.1	940	883.3	67.7
2	727.9	856	732.3	218.7
3	602.5	782	611.0	340.0
4	367.5	615	377.7	573.3
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.348$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.0112$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 675$

Absolute Open Flow 675 Mcfd @ 15.025 | Angle of Slope θ 53 | Slope, n 0.75

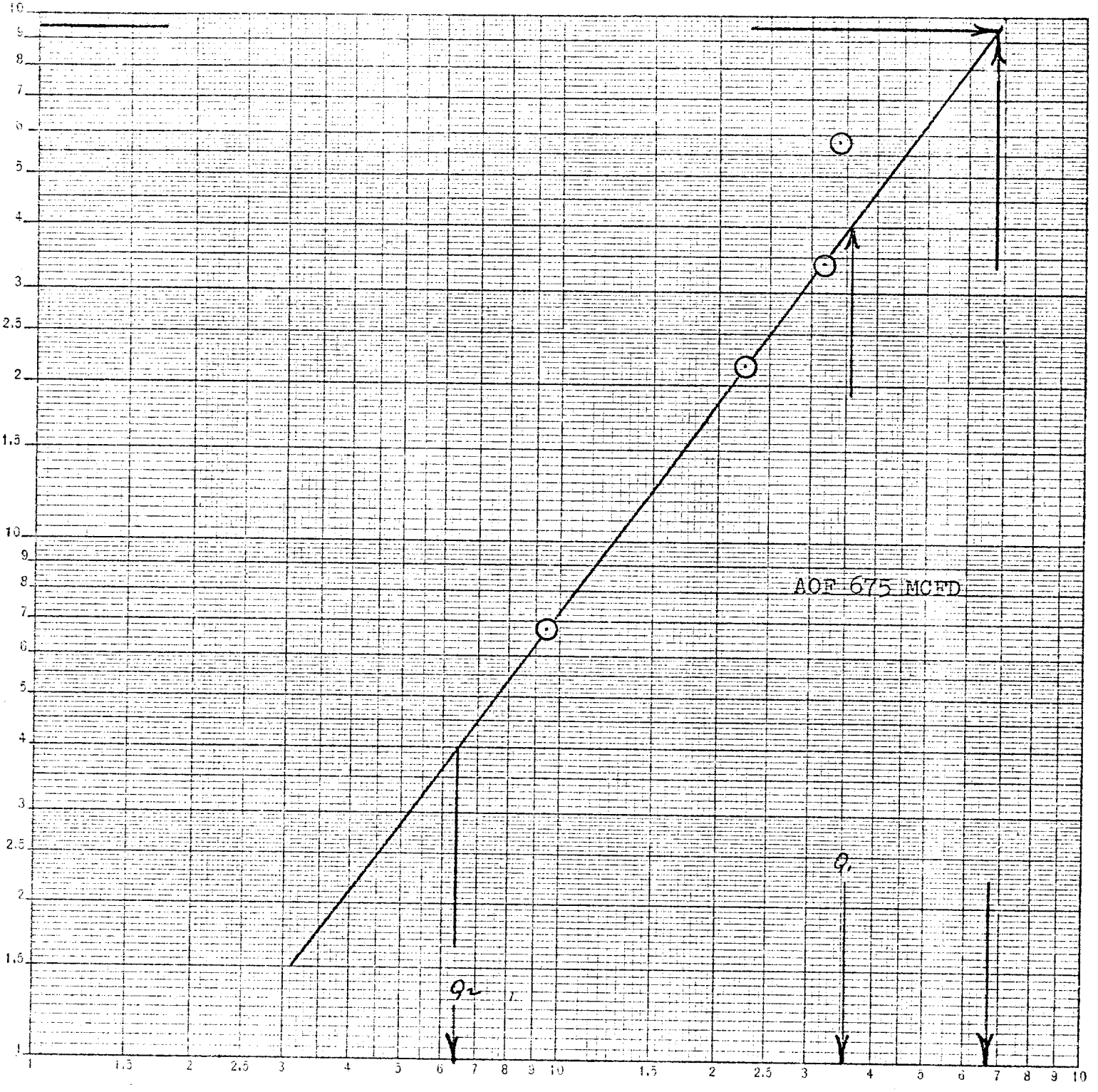
Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R. E. Lee	Computer	

A. . BLINEBRY FED. NCT-1 #23

Unit C Sec. 29-22S-38E

4-11-75



Q1 360 MCFD Log Q1 2.55630
Q2 64 MCFD Log Q2 1.80618
N= .750