

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-18-78			
Company Texaco				Connection Vented					
Pool Monument				Formation Tubb				Unit	
Completion Date 8-26-74		Total Depth 6890		Plug Back TD 6750		Elevation 3574 DF		Farm or Lease Name CH Weir A	
Csg. Size 2 7/8	Wt. 6.4	d 2.441	Set At 6890	Perforations: From 6370 To 6625		Well No. #8			
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. F 12 20 37			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.O.						Packer Set At		County Lea	
Producing Thru Casing		Reservoir Temp. °F 122° 6870		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L 6498	H 6498	Gg 0.680	% CO ₂ 0.15	% N ₂ 2.60	% H ₂ S 0.0	Prover	Meter Run 2.067	Taps Flg	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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	of Flow
SI									1274	60	72+
1.	2 x 1.50			84.8	8.4	89			1236	74	1.0hr
2.	2 x 1.50			145.6	16.8	62			1202	74	1.0hr
3.	2 x 1.50			157.8	30.3	59			1155	74	1.0hr
4.	2 x 1.50			322.0	37.2	60			1067	74	1.0hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.670	28.7	98.0	0.9732	1.213	1.008	433
2	12.670	51.7	158.8	0.9981	1.213	1.016	805
3	12.670	71.9	171.0	1.0010	1.213	1.018	1125
4	12.670	111.7	335.2	1.0000	1.213	1.034	1775
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
					0.0	
					A.P.I. Gravity of Liquid Hydrocarbons	0.0 Deg.
1.	0.15	540	1.48	0.984	Specific Gravity Separator Gas	0.680
2.	0.24	522	1.40	0.958	Specific Gravity Flowing Fluid	0.680
3.	0.25	519	1.39	0.956	Critical Pressure	663 P.S.I.A.
4.	0.51	520	1.40	0.935	Critical Temperature	372 R
5.						

P _c 1287 P _c ² 1656.9				
NO	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1	1550.5	1250	1562.6	94.3
2	1476.7	1217	1481.9	175.0
3	1364.7	1172	1374.1	282.6
4	1155.2	1091	1189.3	467.6
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.543$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.9272$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5196$

Absolute Open Flow	5196	Mcf @ 15.025	Angle of Slope °	49.7	Slope, n	0.849
Remarks:						
Approved By Commission:		Conducted By: Lee		Calculated By: Computer		Checked By:

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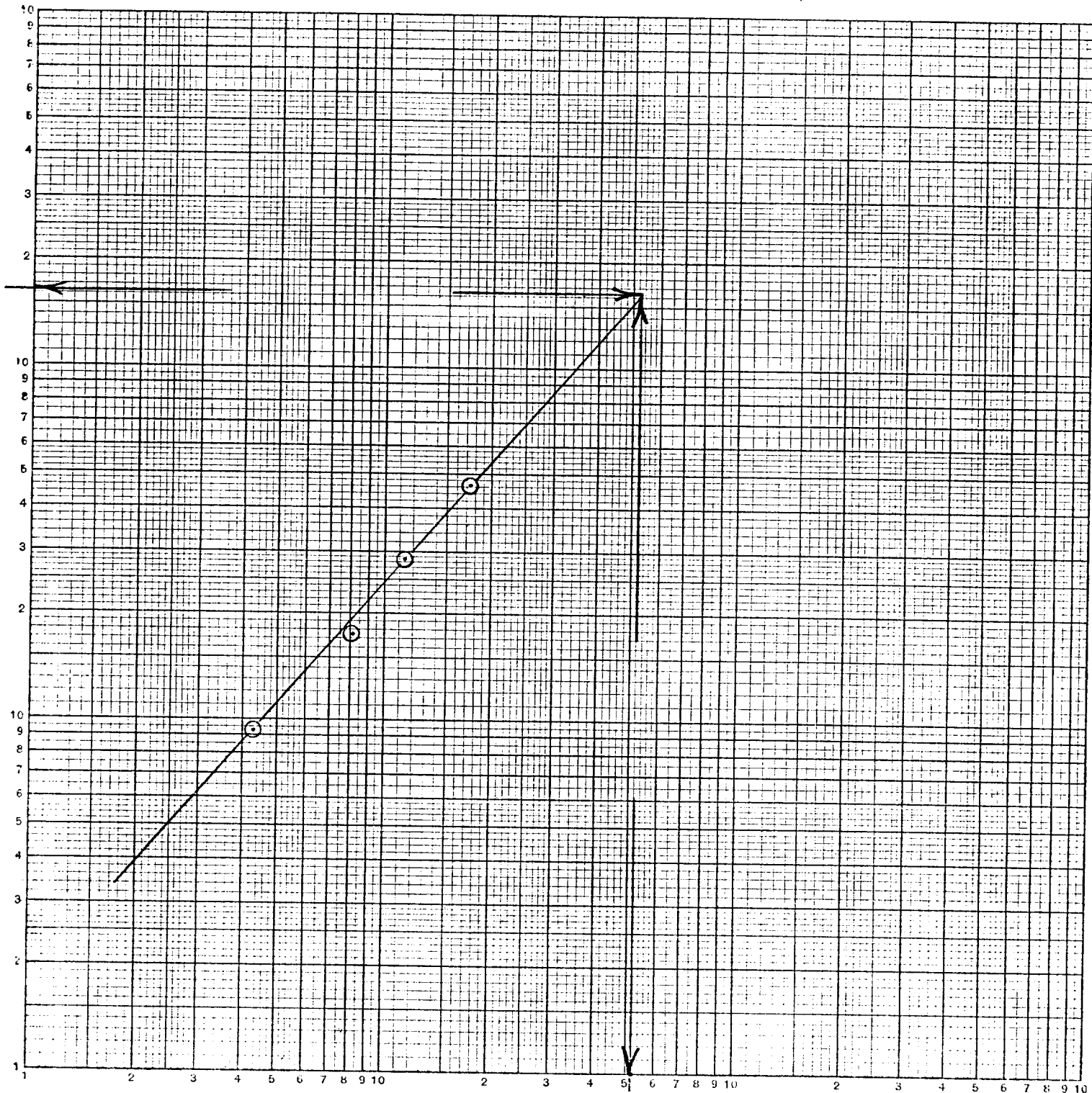
OIL CONSERVATION COMM.
HOSES, D. M.

C.H. Weir A 8

Sec 12 - 202 - 37E

7-18-78

LOGARITHMIC
3 X 3 CYCLES
46 7400
MADE IN U.S.A.
KEUFFEL & ESSER CO.



Log 3250 = 3.5110854
Log 460 = 2.6627573

$\Delta = 0.249$
 $\theta = 30.7$
 $10P = 5.206$

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CHL. COMM. ON JUD. M.
RUBEN, N. M.