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~~O. C. D.~~

ARTESIA, OFFICE

Form or Lease Name
Skink SK State

Well No. 1

Unit	Sec.	Twp.	Rge.
A	32	7S	26E

County
Chaves

State	New Mexico
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Meter Run 2"	Taps Flanged
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[illegible]

p.s.l.q.		days
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	24 hrs
	24 hrs

	24 hrs
	24 hrs

	24 hrs
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[illegible]

Super	Rate of Flow
100%	100%
90%	90%
80%	80%
70%	70%
60%	60%
50%	50%
40%	40%
30%	30%
20%	20%
10%	10%
0%	0%

Compress.	Q. Mem
Factor, Fpv	2.65

1.054	265
	275

1.054	275
1.055	340

1.055	
1.055	392

1.01	
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Mo

	XXXXXXXXXX
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XXXX	
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P.S.I.A.	659
	358

R 350

$$\left[\begin{array}{c} 2 \\ n \end{array} \right]$$
$$(2) \quad \frac{F_c}{R^2 - R_i^2} = \underline{\hspace{2cm}}$$

[Fe²⁺-W]

mc 1

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Slope, n —

Checked By:

S

WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (P_w)

C-122D
Revised 9-1-65

COMPANY 1-1-1

LEASE 1-1-1

WELL NO. 1

DATE 7-20-82

LOCATION: Unit A

Section 32

Township 7s

Range 26E

4450

H 4450

LH 100

S 652

% CO₂ 37

% N₂ 557

% H₂S —

d 1495

F_i .01023

GH 2401

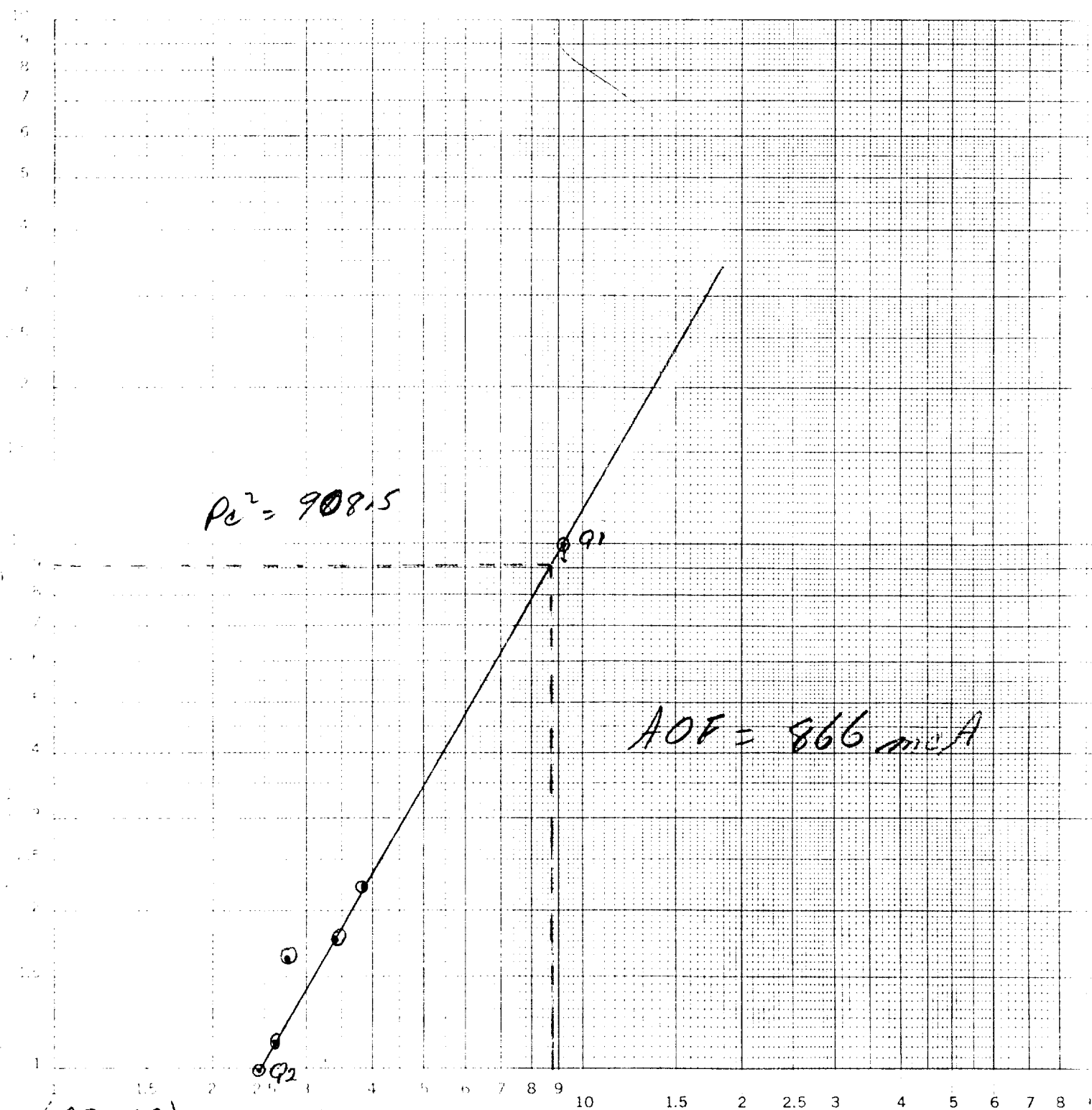
P_{cr} 659

T_{cr} 358

TABLE IX & X

LINE	Notes 1	Notes 2	Notes 3	Notes 4				
1 Q _m	12.65	1.275	.340	.340				
2 T _{cr} (Table IX)	522	522	522	522				
3 T _{cr} (Table IX)	535	535	535	535				
4 T _{cr} (Table IX)	528	528	528	528				
5 T _{cr} (Table IX)	.858	.862	.863	.869				
6 T _{cr}	453.4	453.57	454.10	459				
7 Q _m /T _{cr}	6.398	6.368	6.361	6.317				
8 e ^s (Table XIV)	1.271	1.270	1.269	1.267				
9 1-e ^s (Table XIV)	.213	.213	.212	.211				
10 P _i	990.2	861.2	853.2	823.2				
11 P _i / 2 / 1000	992.2	742.1	728.6	677.7				
12 F _i (Table XV)	.01823	.01823	.01823	.01823				
13 F _i = F _i T _{cr}	9.266	8.305	8.315	9.372				
4 F _i Q _m	2.441	2.284	2.282	3.292				
15 L/H (F _i Q _m) ²	9.704	5.216	7.992	10.771				
16 F _w = L/H (F _i Q _m) ² (1-e ^s)	1.022	1.111	1.694	2.273				
17 P _w ² = P _i ² + F _w	743.5	730.3	730.3	679.9				
18 P _s ² = e ^s P _w ²	1009.1	944.2	926.7	861.5				
19 P _s	1009.1	944.1	942.7	928.2				
20 P = (P _i + P _s)	944.1	944.1	944.1	944.1				
21 P _r = (P/P _{cr})	1.44	1.33	1.39	1.33				
22 T _r = (T/T _{cr})	1.48	1.48	1.48	1.48				
23 Z (Table XI)	.859	.859	.859	.859				

Yates test
SKINK #1



$$(P_c^2 - P_w^2)_1 = 1,000$$

$$(P_c^2 - P_w^2)_2 = 100$$

$$Q_1 = 920$$

$$Q_2 = 245$$

$$\log Q_1 = 2.96379$$

$$\log Q_2 = 2.38917$$

$$N = .57962, N = .575$$