DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS IN NORTHWEST NEW MEXICO

OPERATOR: Williams Production Company LOCATION: K 16 31 5 LEASE NUMBER: SF-078769

NAME OF WELL/WELLS OR PIPELINE SERVICED: ROSA UNIT #094 DISP 30-039-23035
DUALWELL N/A

ELEVATION: 6254' GR COMPLETION DATE: 10/01/88 TOTAL DEPTH: 500 ft. LAND TYPE: FED

CASING: 7-5/8" 26.4# K-55 Set @ 85 ft. Casing is not cemented.

CEMENT PLUG--Top:N/A' Bottom: N/A' Used 0 sx. Class "B" (1.18 cu.ft./sk).

WATER DEPTH: 90 ' Water zone thickness not available. WATER DESCRIPTION: Fresh

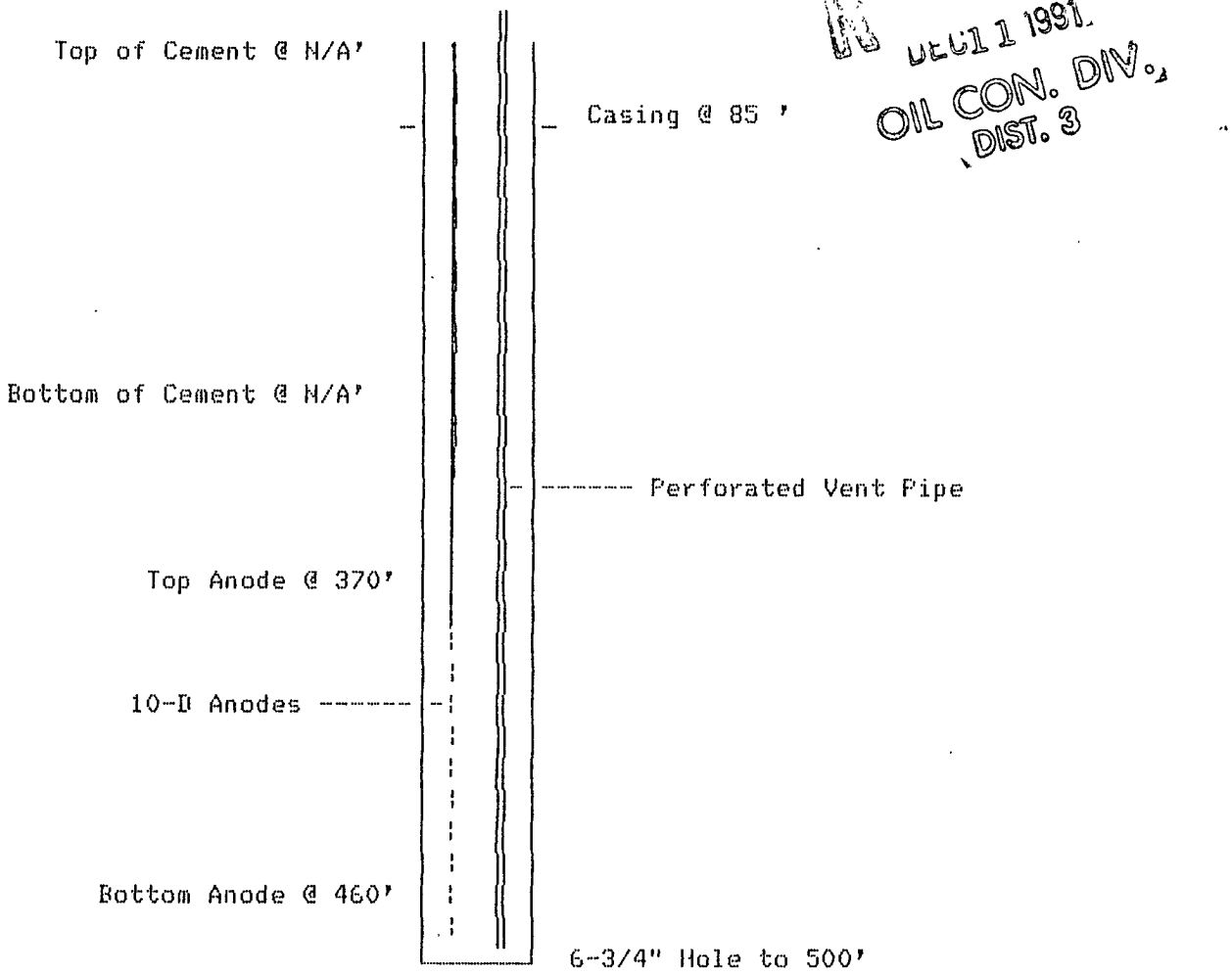
DEPTH OF GAS: N/A '

COKE: 4860 lbs. of Metalurgical coke breeze used.

NUMBER & TYPE OF ANODES: 10-D TOP ANODE @ 370 ft. BOTTOM ANODE @ 460 ft.

VENT PIPE: 1" PVC Set @ 500 ft. Vent pipe perforated from 350 ft. to 500 ft.

REMARKS: _____



DRILLING LOG

ROSA 94

(NOTE WHERE WATER IS LOCATED)

SOIL	
0	
10	
30	
40	
50	85' CASING
60	
70	
80	
90	Sandrock - water
100	"
110	"
120	"
130	" 2ND water ..... 40 gallons / min
140	"
150	"
160	Shale
170	"
180	"
190	"
200	"
210	"
220	"
230	"
240	Sandy Shale
250	"
260	"
270	"
280	"
290	"
300	Sandrock
310	"
320	"
330	"
340	Shale
350	"
360	Sandrock
370	"
380	"
390	"
400	"
410	"
420	"
430	Sandy Shale
440	"
450	"
460	"
470	Sandrock
480	"
490	"
500	"
510	"
520	

LOCATION Rosa #94 2a Section cell

DATE 10-1-85

10	130 1.1	250 .5	370 2.1 -10	490 1.1
15	135 .9	255 .7	375 2.1	495 1.8
20	140 .8	260 .6	380 2.0 -9	500) volt
25	145 .8	265 .5	385 1.4	505
30	150 .7	270 .5	390 1.5 -8	510
35	155 .8	275 .8	395 1.5	
40	160 .9	280 .9	400 1.6 -7	Total Amps 13.6
45	165 .9	285 .5	405 1.6	Total Volts 12.3
50	170 .8	290 .3	410 1.0 -6	Total Res. .90
55	175 .8	295 .3	415 1.2	
60	180 .9	300 .4	420 1.4 -5	
65	185 .9	305 .8	425 1.5	1 - 4.1
70	190 .9	310 .9	430 1.6 -4	2 - 4.2
75	195 .7	315 .8	435 1.6	3 - 3.8
80	200 .6	320 .8	440 1.8 -3	4 - 3.7
85 .6	205 .7	325 .9	445 2.1	5 - 1.4
90 .6	210 .7	330 .9	450 2.2 -2	6 - 1.0
95 .7	215 .7	335 .9	455 2.1	7 - 2.7
100 .6	220 .6	340 1.1	460 2.0 -1	8 - 2.3
105 .5	225 .8	345 1.1	465 1.8	9 - 4.3
110 .6	230 .9	350 1.0	470 1.1	10 - 4.1
115 .7	235 .8	355 1.1	475 1.3	
120 .8	240 .8	360 1.4	480 1.8	
125 .8	245 .7	365 2.0	485 2.0	

85' Casing

water

Casing