

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

OPERATOR: Williams Production Company LOCATION: K 31 31 5 LEASE NUMBER: SF-078764

NAME OF WELL/WELLS OR PIPELINE SERVICED: ROSA UNIT #097 GL/DK

DUALWELL ROSA #231

30-039-23304

30-039-24444

ELEVATION: 6545' GR COMPLETION DATE: 09/21/88 TOTAL DEPTH: 500 ft. LAND TYPE: FED

CASING: 7-5/8" 26.4# K-55 Set @ N/A 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: 100' Water zone thickness not available. WATER DESCRIPTION: Fresh

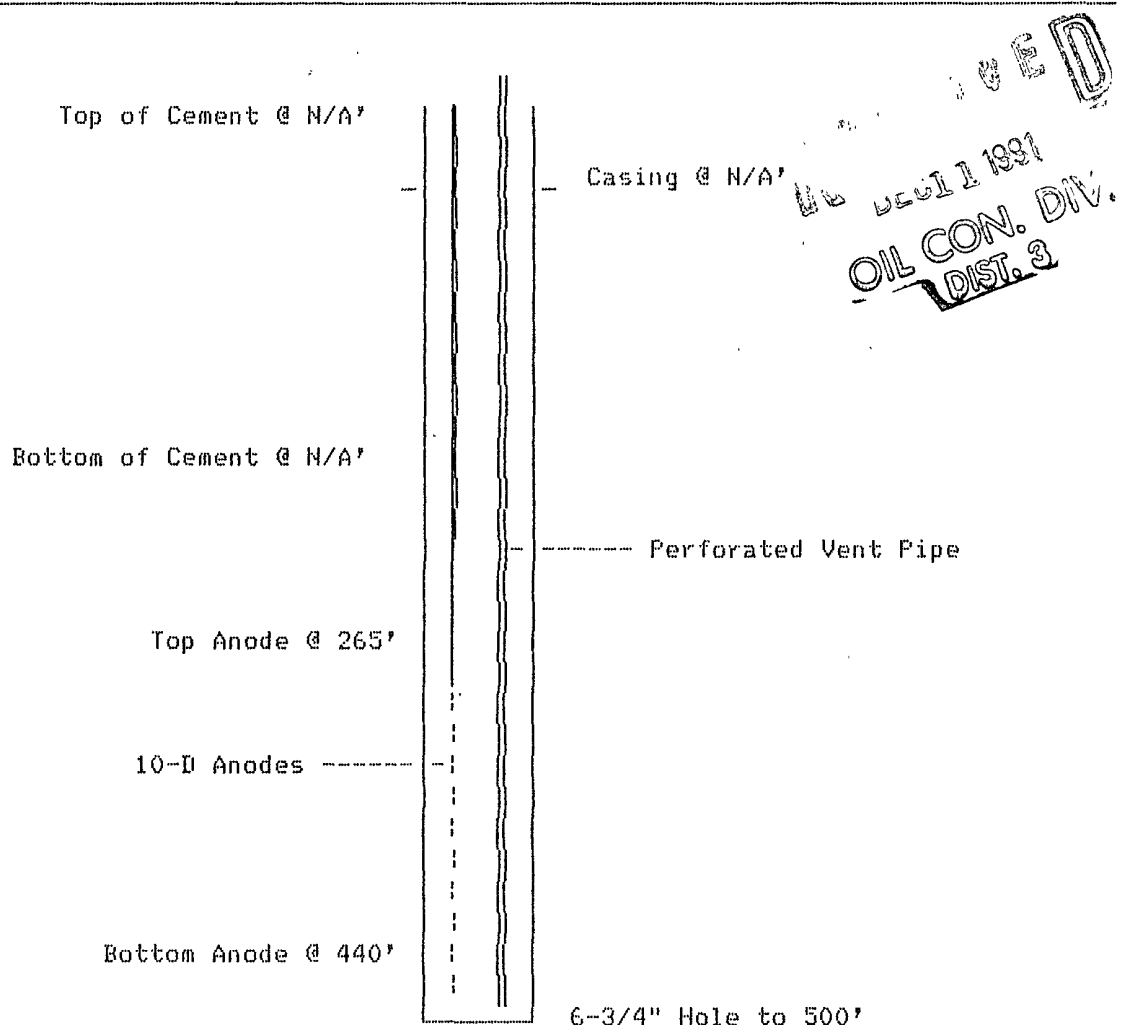
DEPTH OF GAS: N/A'

COKE: 7695 lbs. of Metallurgical coke breeze used.

NUMBER & TYPE OF ANODES: 10-D TOP ANODE @ 265 ft. BOTTOM ANODE @ 440 ft.

VENT PIPE: 1" PVC Set @ 500 ft. Vent pipe perforated from 245 ft. to 500 ft.

REMARKS:



DRILLING LOG

Rosa #97

(NOTE WHERE WATER IS LOCATED)

SOIL

10	
20	shale
30	sandstone
40	il
50	il
60	il
70	il
80	shale
90	il
100	sandstone
110	il water
120	shale
130	il
140	il
150	il
160	il
170	il
180	sandstone
190	il
200	il
210	shale
220	il
230	il
240	il
250	il
260	il
270	il
280	sandstone
290	il
300	il
310	il
320	il
330	il
340	sandy shale
350	il
360	il
370	il
380	il
390	
400	sandstone
410	il
420	il
430	il
440	il
450	il
460	il
470	sandy shale
480	il
490	sandstone
500	il
510	il
520	il

LOCATIO Rosa 1 #97

DATE 9/21/88

10	130 .7	250 .6	370 .7	490 .6
15	135 .8	255 .5	375 .7	495 .7
20	140 .8	260 .8	380 .5	500 .7
25	145 .7	265 .10 -10	385 .6	505
30	150 .5	270 .9	390 .6	510
35	155 .3	275 .8 -9	395 .6	
40	160 .2	280 .6	400 .6	
45	165 .4	285 .7 -8	405 .6	
50	170 .7	290 .7	410 .9 -4	
55	175 .7	295 .6	415 .9	
60	180 .6	300 .4	420 .8 -3	
65	185 .7	305 .7	425 .8	
70	190 .7	310 .5	430 .8 -2	
75	195 .6	315 .8 -7	435 .8	
80	200 .6	320 .8	440 .10 -1	
85	205 .7	325 .9 -6	445 .11	
90	210 .7	330 .8	450 .7	
95	215 .6	335 .8 -5	455 .6	
Water 100 .8	220 .7	340 .6	460 .5	
105 .7	225 .7	345 .6	465 .5	
110 .6	230 .7	350 .4	470 .7	
115 .10	235 .7	355 .4	475 .6	
120 .8	240 .6	360 .3	480 .4	
125 .8	245 .6	365 .6	485 .6	

Total Amps 12.4
Total Volts 10.8

Total Res. .85

- 1) 1.3
- 2) 1.3
- 3) 3.3
- 4) 3.3
- 5) 2.4
- 6) 3.4
- 7) 3.1
- 8) 2.3
- 9) 2.7
- 10) 3.9