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

30-045-26046

OPERATOR: Williams Production Company LOCATION: D 33 32 6 LEASE NUMBER: SF-078772

NAME OF WELL/WELLS OR PIPELINE SERVICED: ROSA UNIT #117 GL/DK
DUALWELL N/A

ELEVATION: 6474' GR COMPLETION DATE: 08/05/88 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: 80 ' Water zone thickness not available. WATER DESCRIPTION: Fresh

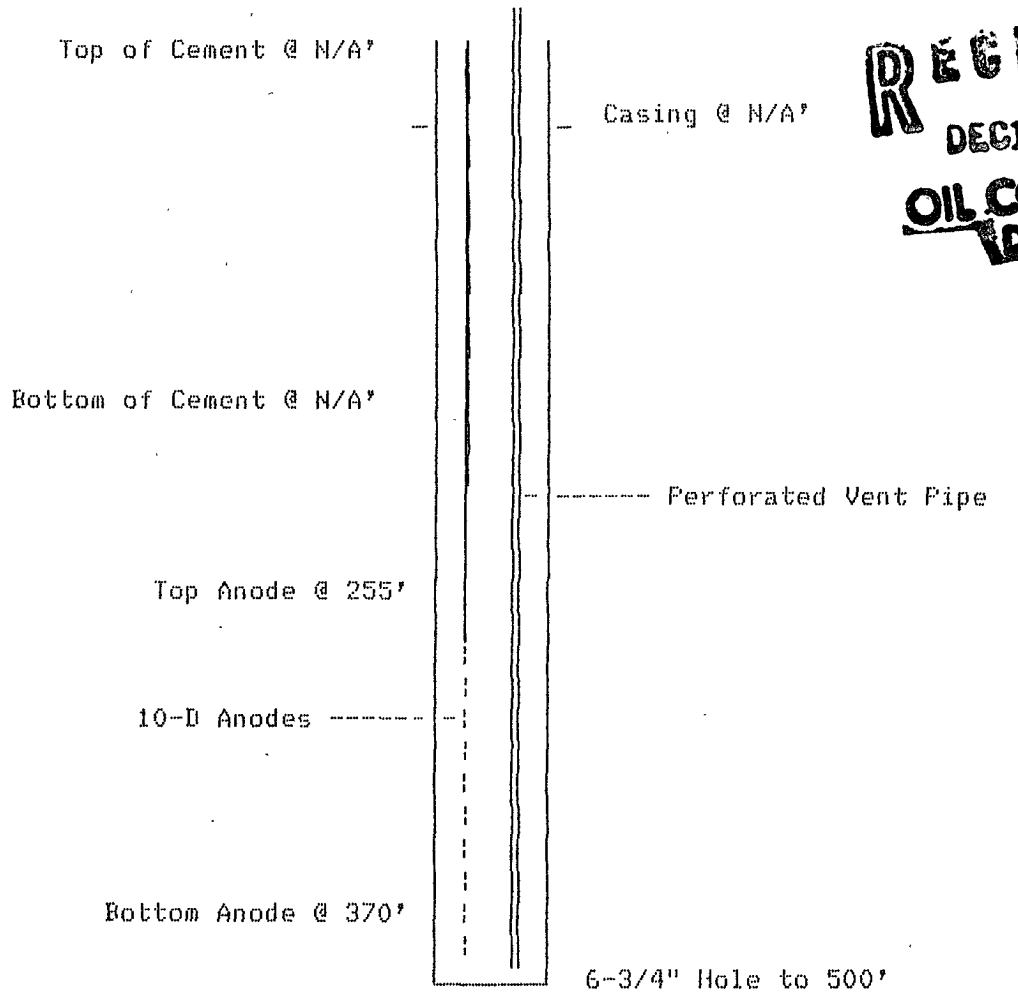
DEPTH OF GAS: N/A '

COKE: 7965 lbs. of Metalurgical coke breeze used.

NUMBER & TYPE OF ANODES: 10-D TOP ANODE @ 255 ft. BOTTOM ANODE @ 370 ft.

VENT PIPE: 1" PVC Set @ 500 ft. Vent pipe perforated from 235 ft. to 500 ft.

REMARKS:_____



DRILLING LOG

ROSIA #117

(NOTE WHERE WATER IS LOCATED)

SOIL

Shale

Sandrock

- water

Shale

Sandrock

- water

Sandrock

Shale

Sandrock

Shale

Sandrock

LOCATION Rusa Unit #117

DATE 8/5/88

10	130 .7	250 .9	370 1.3 -7	490
15	135 .8	255 .9 -10	375 1.5	495
20	140 .8	260 1.1	380 1.4	500
25	145 1.0	265 1.1 -9	385 1.0	505
30	150 .8	270 .8	390 .9	510
35	155 .9	275 1.0 -8	395 .9	
40	160 .7	280 .9	400 .6	
45	165 .6	285 .9 -7	405 .6	
50	170 .5	290 .7	410 .7	
55	175 .4	295 .8	415 .1	Total Amps 11.2
60	180 .6	300 1.0	420 .7	Total Volts 106
65	185 .7	305 1.0 -6	425 .6	
70	190 .6	310 .9	430	
75	195 .6	315 1.1	435	Total Res.
80 .2 water	200 .6	320 1.2 -5	440	
85 .2	205 .5	325 1.1	445	1 3.0
90 .2	210 .6	330 1.2 -4	450	2 2.6
95 .1	215 .7	335 1.1	455	3 2.7
100 .02 Water	220 .8	340 .9	460	4 3.0
105 .1	225 .8	345 1.0 -3	465	5 2.5
110 .1	230 .7	350 .9	470	6 2.5
115 .1	235 .8	355 1.0	475	7 2.5
120 .6	240 1.0	360 1.0 -2	480	8 2.2
125 .7	245 .9	365 1.1	485	9 2.5
				10 2.3