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

OPERATOR: Williams Production Company LOCATION: G 10 31 4 LEASE NUMBER: SF-078888

NAME OF WELL/WELLS OR PIPELINE SERVICED: ROSA UNIT #103 GL/DK 30-039-23490
DUALWELL N/A

ELEVATION: 6971' GR COMPLETION DATE: 10/20/87 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

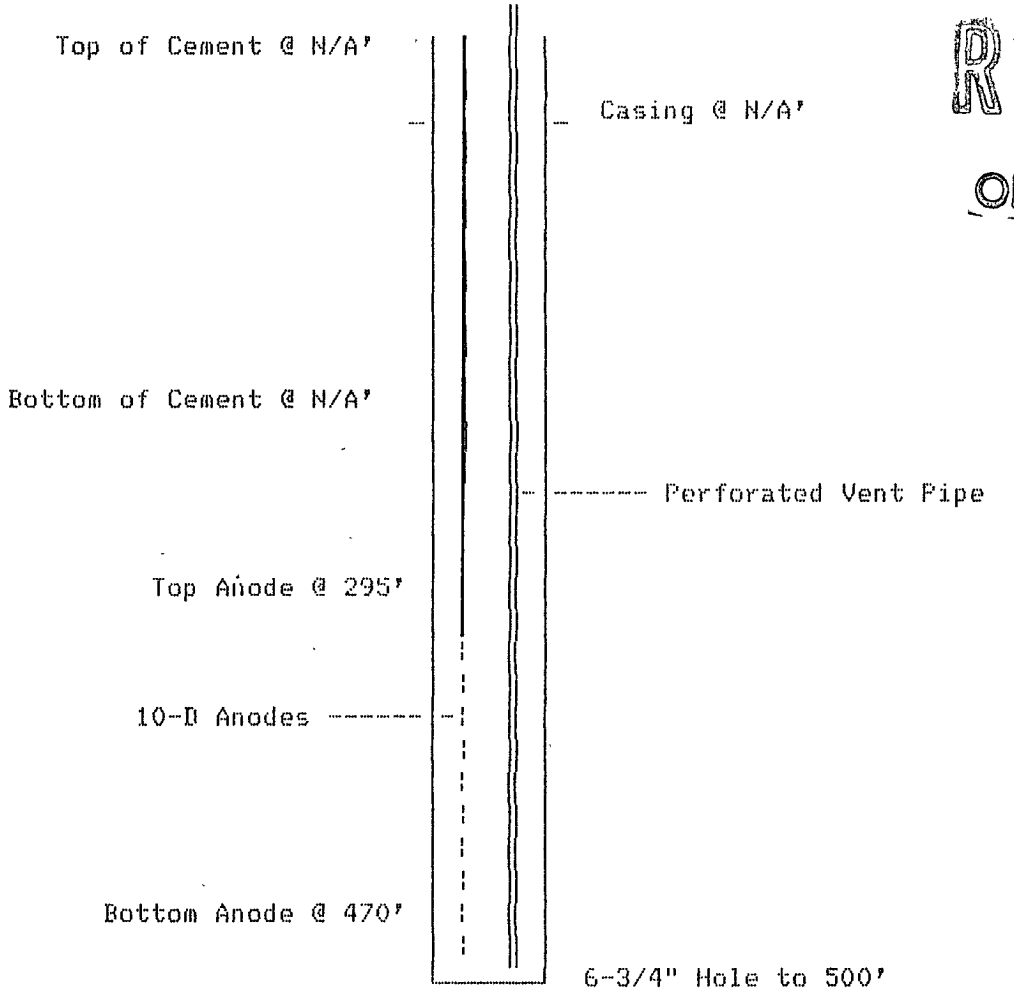
DEPTH OF GAS: N/A '

COKE: 6885 lbs. of Metalurgical coke breeze used.

NUMBER & TYPE OF ANODES: 10-D TOP ANODE @ 295 ft. BOTTOM ANODE @ 470 ft.

VENT PIPE: 1" PVC Set @ 500 ft. Vent pipe perforated from 275 ft. to 500 ft.

REMARKS: _____



ROSA #203

5-20-91

DRILLING LOG

SOIL

(NOTE WHERE WATER IS LOCATED)

MOVING TIME

AZTEC TO LOC 11.5 hr.

LOC TO AZTEC 11.0 HR

0 SAND & CLAY
0 SAND & CLAY
0 SANDSTONE
0 SANDSTONE
0 SANDSTONE
0 SANDSTONE
0 SHALE
0 SHALE
00 SAND & SHALE H_2O
10 SANDSTONE
20 SAND & SHALE
30 SHALE
40 SHALE
50 SHALE
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70 SANDSTONE
80 SANDSTONE
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00 SHALE DRILL W AIR + H_2O
10 SHALE
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50 SHALE
60 SHALE
70 SHALE
80 SHALE
90 SHALE
0 SHALE
0 _____
0 _____

LOCATION Northwest of 100 Bug and York

DATE 5/20/91

)	I30	250 1.4	370 1.3	490 1.2
)	I35	255 1.5	375 1.4	495 1.5
)	I40	260 1.4	380 1.3-7	500 —
)	I45	265 1.3	385 1.3	505
)	I50 1.2 ← water	270 1.4	390 1.2	510
)	I55 1.3	275 1.4	395 1.3-6	515
)	I60 1.2	280 1.3	400 1.1	520
)	I65 1.1	285 1.1	405 1.1	
)	I70 1.2	290 1.3	410 1.3	Anode #I 2.8
)	I75 1.3	295 1.2 -10	415 1.3	Anode #2 4.7
)	I80 1.3	300 1.0	420 1.5 -5	Anode #3 3.5
)	I85 1.3	305 .9	425 1.4	Anode #4 3.8
)	I90 1.2	310 .7	430 1.3	Anode #5 3.7
)	I95 .8	315 .7	435 1.2	Anode #6 3.6
)	200 .7	320 .8	440 1.5 -4	Anode #7 2.4
)	205 1.1	325 1.1	445 1.3	Anode #8 1.7
)	210 .9	330 1.3	450 1.6 -3	Anode #9 2.9
)	215 .8	335 1.3	455 1.5	Anode #10 2.5
10	220 .9	340 1.5-9	460 1.6 -2	Anode #II
15	225 .8	345 1.4	465 1.4	Anode #I2
20	230 1.1	350 1.2	470 1.4 -1	Anode #I3
25	235 1.2	355 1.2	475 1.4	Anode #I4
30	240 1.1	360 1.3 -8	480 1.3	Anode #I5
35	245 1.0	365 1.3	485 1.2	Total Volts 11.05
				Total Amps 13.8
				Total RES. 1.8