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4- 30-045-05822
14- 30-045-05840

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 14 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced BALLARD #14, #4
cps 1020w

Elevation 6350' Completion Date 8/13/75 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 200'

Depths gas encountered: N/A

Type & amount of coke breeze used: 34 SACKS

Depths anodes placed: 345', 335', 325', 315', 305', 295', 285', 270', 260', 250'

Depths vent pipes placed: 345'

Vent pipe perforations: 200'

Remarks: gb #1

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MAY 31 1981
OIL CON. DIV.
DIST. 97

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 8/13/75

Well Name BALLARD #14		Location SW-14-26-9		CPS No. 1020 W	
Type & Size Bit Used 6 3/4"				Work Order No. 91032.19-50-2 90730.19-50-2	
Anode Hole Depth 400'	Total Drilling Rig Time	Total Lbs. Coke Used 34 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 345'	#2 335'	#3 325'	#4 315'	#5 305'	#6 295'
#7 285'	#8 270'	#9 260'	#10 250'		
Anode Output (Amps)					
#1 4.2	#2 4.2	#3 4.2	#4 4.3	#5 4.2	#6 4.2
#7 3.9	#8 4.0	#9 4.8	#10 4.5		
Anode Depth					
#11	#12	#13	#14	#15	#16
Anode Output (Amps)					
#11	#12	#13	#14	#15	#16
Total Circuit Resistance					
Volts 11.5 V	Amps 15A	Ohms .77	No. 8 C.P. Cable Used 3285'	No. 2 C.P. Cable Used	

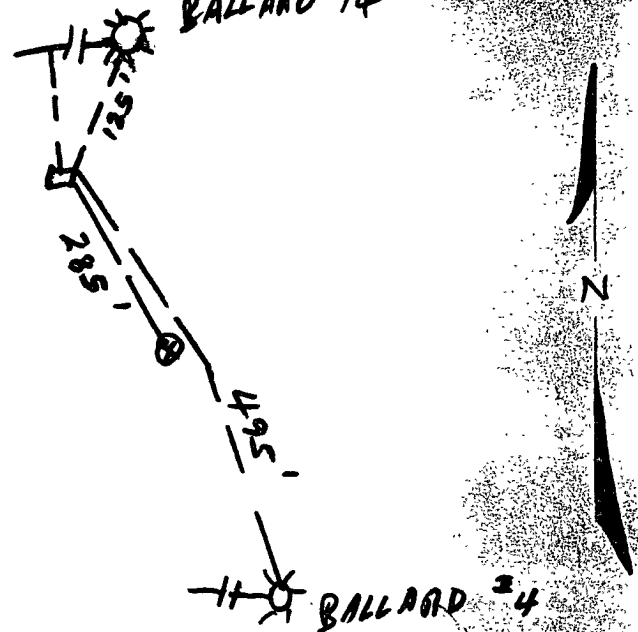
Remarks: Driller said WATER AT 200'. Log STOPPED AT 378'
Perforated Vent 200'. Vent Pipe on #1 Anode

Driller - 1179.36
Note - 374.40
Imp - 213.40
Wave 305.51
Cable 204.00
anodes 244.60
T Box 84.00
Rect 373.50
Vent 23.00
misc. 50.00
3033.77

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



6350

CPS - 1020 W

MW	gals/mol
16 C ₁	6.4
30 C ₂	10.12
44 C ₃	16.92
58 C ₄	23.38
72 C ₅	31.93
86 C ₆	41.85
100 C ₇	53.15
114 C ₈	65.80
128 C ₉	79.80
142 C ₁₀	95.15
156 C ₁₁	111.85
170 C ₁₂	129.90
184 C ₁₃	149.40
198 C ₁₄	170.35
212 C ₁₅	192.75
226 C ₁₆	216.60
240 C ₁₇	241.90
254 C ₁₈	268.60
268 C ₁₉	295.75
282 C ₂₀	324.40
296 C ₂₁	354.55
310 C ₂₂	386.20
324 C ₂₃	419.35
338 C ₂₄	454.00
352 C ₂₅	490.15
366 C ₂₆	527.80
380 C ₂₇	566.95
394 C ₂₈	608.60
408 C ₂₉	652.75
422 C ₃₀	700.40
436 C ₃₁	750.55
450 C ₃₂	803.20
464 C ₃₃	858.35
478 C ₃₄	916.00
492 C ₃₅	976.15
506 C ₃₆	1038.80
520 C ₃₇	1103.95
534 C ₃₈	1171.60
548 C ₃₉	1241.75
562 C ₄₀	1314.40
576 C ₄₁	1389.55
590 C ₄₂	1467.20
604 C ₄₃	1547.35
618 C ₄₄	1629.00
632 C ₄₅	1713.15
646 C ₄₆	1800.80
660 C ₄₇	1891.95
674 C ₄₈	1986.60
688 C ₄₉	2084.75
702 C ₅₀	2186.40
716 C ₅₁	2291.55
730 C ₅₂	2400.20
744 C ₅₃	2512.35
758 C ₅₄	2628.00
772 C ₅₅	2747.15
786 C ₅₆	2869.80
800 C ₅₇	2995.95
814 C ₅₈	3125.60
828 C ₅₉	3258.75
842 C ₆₀	3395.40
856 C ₆₁	3535.55
870 C ₆₂	3679.20
884 C ₆₃	3826.35
898 C ₆₄	3976.00
912 C ₆₅	4129.15
926 C ₆₆	4285.80
940 C ₆₇	4445.95
954 C ₆₈	4609.60
968 C ₆₉	4776.75
982 C ₇₀	4947.40
996 C ₇₁	5121.55
1010 C ₇₂	5300.20
1024 C ₇₃	5483.35
1038 C ₇₄	5671.00
1052 C ₇₅	5864.15
1066 C ₇₆	6062.80
1080 C ₇₇	6266.95
1094 C ₇₈	6477.60
1108 C ₇₉	6694.75
1122 C ₈₀	6918.40
1136 C ₈₁	7148.55
1150 C ₈₂	7385.20
1164 C ₈₃	7628.35
1178 C ₈₄	7878.00
1192 C ₈₅	8135.15
1206 C ₈₆	8399.80
1220 C ₈₇	8671.95
1234 C ₈₈	8951.60
1248 C ₈₉	9239.75
1262 C ₉₀	9536.40
1276 C ₉₁	9841.55
1290 C ₉₂	10155.20
1304 C ₉₃	10477.35
1318 C ₉₄	10808.00
1332 C ₉₅	11147.15
1346 C ₉₆	11495.80
1360 C ₉₇	11853.95
1374 C ₉₈	12221.60
1388 C ₉₉	12598.75
1402 C ₁₀₀	13085.40

MW	MISC	gals/mol
44 CO ₂	0.38	
34 H ₂ S	0.17	
28 N ₂	4.16	
2 N ₂	5.38	

200 - 1.0

80 -

- 2.0

-

10 - 2.1

90 -

- 2.2

-

20 - 2.2

400 -

- 2.0

30 - 1.8

- 1.7

40 - 1.6

- 1.7

50 - 2.4 -

- 2.4

60 - 2.5 -

- 2.5

70 - 2.3 -

- 2.1

80 - 2.2

- 2.2 -

90 - 2.0

- 2.2 -

300 - 2.2

- 2.2 -

10 - 2.1

- 2.2 -

20 - 2.2

- 2.2 -

30 - 2.0

- 2.0 -

40 - 2.0

- 2.2 -

50 - 1.8

- 1.2

60 - 1.0

- 1.0

70 - 1.6

- 2.0

1 - 345' - 2.6A - 4.2

2 - 335' - 2.4A - 4.2

3 - 325' - 2.6 - 4.2

4 - 315' - 2.6 - 4.3

5 - 305' - 2.5 - 4.2

6 - 295' - 2.65 - 4.2

7 - 285' - 2.5 - 3.9

8 - 270' - 2.75 - 4.0

9 - 260' - 3.1 - 4.8

10 - 250' - 2.9 - 4.5

378'

200' & Vent Perforated Water at 200'

