

30-045-20467

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

Operator MERIDIAN OIL Location: Unit SE Sec. 27 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #198

cps 988w

Elevation 6698' Completion Date 12/20/82 Total Depth 440' 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. DRILLED OUT OF WATER ZONE AT 200'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3000 lbs.

Depths anodes placed: 365', 355', 340', 330', 315', 305', 290', 280', 240', 220'

Depths vent pipes placed: 400'

Vent pipe perforations: 220'

Remarks: Log #2 FIRST HOLE CAVED AT 440' RECOVERED ANODES.

RECEIVED

MAY 31 1991

OIL CON. DIV
DIST. 2

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 12-20-82

CPS #		Well Name, Line or Plant		Work Order #		Static		Ins Union Check	
988 w		Huerfano #198		54654-19-50-20-63		Redrill		☐ Good ☐ Bad	
Location		Anode Size		Anode Type		Size Bit			
SE 27-26-10		2" x 60"		Duriron		6 3/4"			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
446'		415'				3000			
Anode Depth									
# 1	365	# 2	355	# 3	340	# 4	330	# 5	315
# 6	305	# 7	290	# 8	280	# 9	240	# 10	220
Anode Output (Amps)									
# 1	4.2	# 2	4.0	# 3	4.1	# 4	4.2	# 5	4.3
# 6	4.1	# 7	4.3	# 8	4.7	# 9	4.5	# 10	4.2
Anode Depth									
# 11		# 12		# 13		# 14		# 15	
# 16		# 17		# 18		# 19		# 20	
Anode Output (Amps)									
# 11		# 12		# 13		# 14		# 15	
# 16		# 17		# 18		# 19		# 20	
Total Circuit Resistance						No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 11.2		Amps 21.5		Ohms .52					

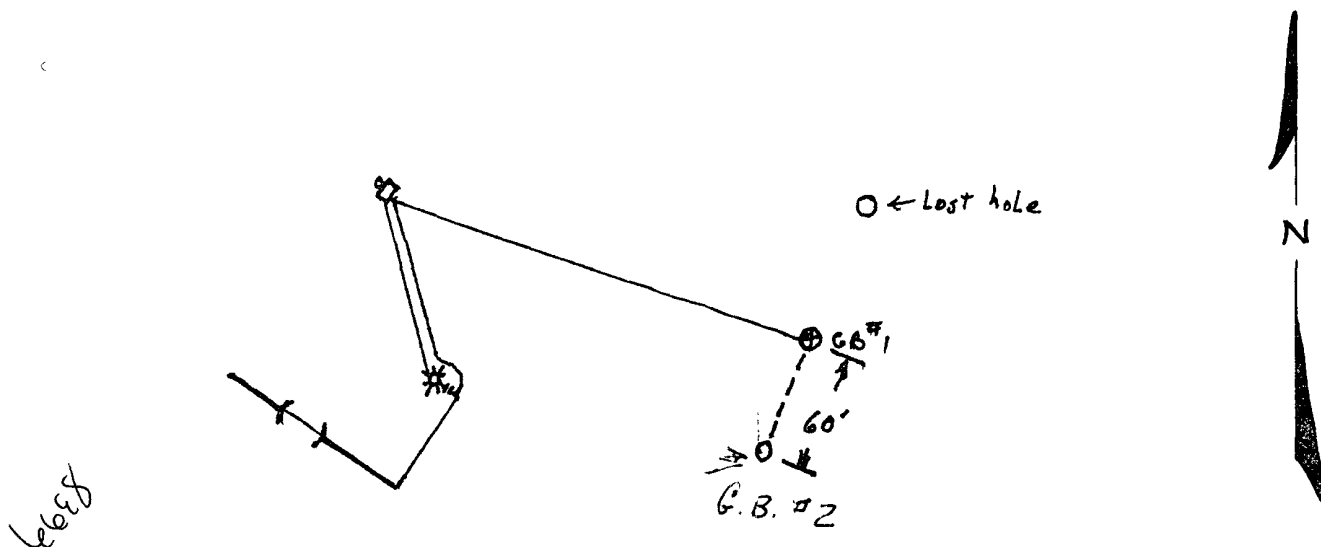
Remarks: First hole - Driller said damp 130-180' no water after 20 min Drilled to 440' Logged to 415' hole caved. Recovered anodes. Second Driller said drilled out of water zone at approx 200'. Drilled to 400' Logged 390' inst 400 ft OF vent pipe with 220' OF perforations. Slurried approx 3000' of core

Rectifier Size: V A
 Addn'l Depth:
 Depth Credit: 85'
 Extra Cable: 10'
 Ditch & 1 Cable: 60'
 25' Meter Pole:
 20' Meter Pole:
 10' Stub Pole:

All Construction Completed

Robert Balinski
 (Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

CPS 988W

HYERLAND Unit #198

Corrosion Control

2

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE 12-16

1982

[illegible]

SIGNED: Toolpusher

Kevin Bunge

____ Company Supervisor

CP 5 988-03
Hockano U. #198
5E 27-26-10

WFO 54654-19-50-20-63

1	240	2.45	200	1st HOIR
2	45	2.55		DRILLER Said Damp From
3	50	2.65		130 TO 180' waited 20
4	55	2.55		M.N. NO WATER. Had some
5	60	2.45		Sand at 230' making
6	65	2.45		Some water. water
7	70	2.60		Sample did NOT settle
8	75	2.80		OUT. Hole caved in
9	80	2.70 (D)		Pulled Annulus out of
10	85	2.90		hole.
11	90	2.75 (S)		
12	95	3.10		
13	300	2.75 (S)		
14	05	2.55		
15	10	2.40 (D)		
16	15	2.30		
17	20	2.55 (D)		
18	25	2.65		
19	30	2.70 (S)		
20	35	2.55		
21	40	2.65 (D)		
22	45	2.65		
23	50	2.60 (D)		
24	55	2.90		
25	60	2.70 (S)		
26	65	2.55		
27	70	2.00 (D)		
28	75	1.65		
29	80	1.60		
30	85	1.40		
31	90	1.95		
32	95	1.05		
33	400	1.60	Reg O.T.	
34	05	2.50	9-14-4	
35	10	2.45	9-15-8	
36	15	2.50 TD	9-16-8 4	
37	20		9-20-8 2	
38	25		9-21-4	
39	30			
40	35			
41	40			

- ① 370 3.10
- ② 360 3.50
- ③ 350 3.05
- ④ 340 3.10
- ⑤ 330
- ⑥ 320
- ⑦ 310
- ⑧ 300
- ⑨ 290
- ⑩ 280

CPS # 988 W

Huerfano #198 (Red Hill)
189-54654-19-50-20-63-1700

SE 27-26-10

Page 12-30-82
Date
By RJB

Second hole
First hole caved
Driller said drilled
out of water zone at
Approx 200 FT - Drilled to
400 FT and Logged to 390 FT
INSTALLED 400 FT OF VENT PIPE
WITH 220 FT OF PERFORATIONS.

200	1.5
	1.4
10	1.4
	1.4
20	1.4 - 10
	1.1
30	1.4
	1.5
40	1.6 - 9
	1.6
50	1.4
	1.5
60	1.5
	1.5
70	1.5
	1.4 -
80	1.4 - 8
	1.7 -
90	1.7 - 7
	1.6 -
300	1.7
	1.6 - 6
10	1.6
	1.5 - 5
20	1.7
	1.5 -
30	1.7 - 4
	1.6 -
40	1.6 - 3
	1.7 -
50	1.7
	1.9 - 2
60	1.9
	1.8 - 1
70	1.8
	1.5
80	1.0
	1.1
90	

$$2.15 A @ 11.2 V = .52 \Omega$$

- ① 365 - 2.3 - 4.2
- ② 355 - 2.2 - 4.0
- ③ 340 - 2.1 - 4.1
- ④ 330 - 1.9 - 4.2
- ⑤ 315 - 2.2 - 4.3
- ⑥ 305 - 2.2 - 4.1
- ⑦ 290 - 2.3 - 4.3
- ⑧ 280 - 2.0 - 4.7
- ⑨ 260 - 2.0 - 4.5
- ⑩ 220 - 2.1 - 4.2

400