1300

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30-045-26470

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

Operator MERIDIAN OIL INC. Location: Unit J Sec. 27 Twp 28 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL #4A

cps 1908w

Elevation 6283' Completion Date 11/17/87 Total Depth 575' 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. 130' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 545', 530', 520', 510', 485', 475', 465', 445', 435', 425'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 3

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.

MERIDIAN OIL INC.
Farmington Region
Post Office Box 4289
Farmington, New Mexico 87499
(505) 327-0251

Drilling Log (Attach Hereto) ☐ WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT Completion Date 11-17-87
DAILY LOG

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
19084	Howell 4A		-.82E	☑ Good ☐ Bad

Location:	Anode Size:	Anode Type:	Size Bit:
J27-28-8	2" x 60"	Duriron	6 3/4

Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
595	572	7 hrs			Elev. 6240

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	545	530	520	510	485	475	465	445	435	425
Anode Output (Amps)	2.7	2.7	3.0	3.2	3.6	3.6	3.5	3.1	3.3	2.4
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 12	Amps 13.4	Ohms .90		

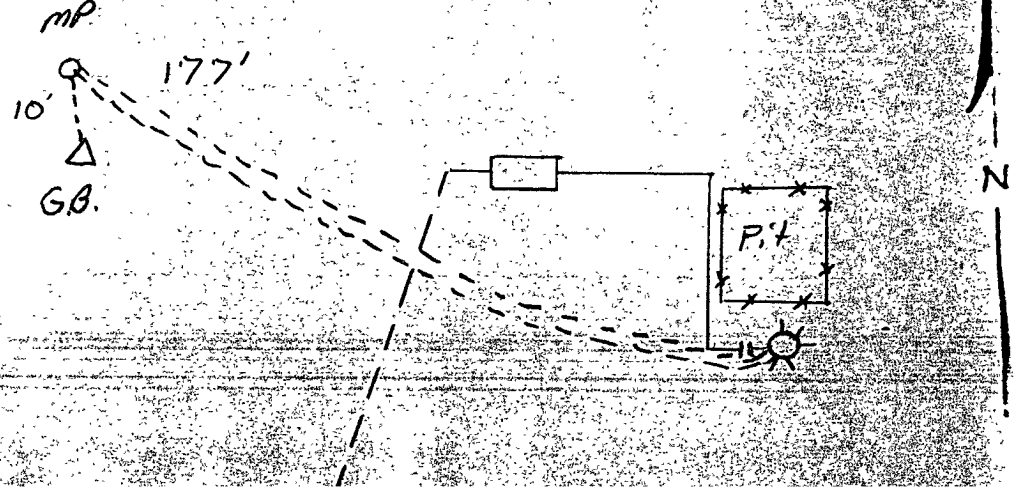
Remarks: Driller said there was a little water at 130'. Drilled to 500' then logged. went back in and drilled to 575'.

Rectifier Size:	40 V 16 A
Addn'l Depth	72' ✓
Depth Credit:	
Extra Cable:	30 ✓
Ditch & 1 Cable:	10 ✓
Ditch & 2 Cable:	177'
25' Meter Pole:	
20' Meter Pole:	365.00 ✓
10' Stub Pole:	
Junction Box:	269.90
	6708.18
Tx.	335.41
	7043.59

4399.00
799.98 Rect
702.00 ✓
6.00 ✓
7.00 ✓
159.30 ✓

All Construction Completed
Randy Smith
(Signature)

GROUND BED LAYOUT SKETCH



C-283

BURG CORROSION SYSTEMS, INC.

P.O. BOX 1359 · PHONE 334-6141
AZTEC, NEW MEXICO 87410

Date 11-17-87

DEEP WELL GROUNDBED LOG

Company Meridian Oil, Inc.

Well No: 4A Location Howell Volts Applied 12 Amperes 13.4

| | | |

GENERAL CPS
CATHODIC PROTECTION SERVICES

WELL TYPE GROUNDBED DATA

DATA SHEET NO. 2 OF 2 — 1982 NM

COMPANY Meridian Oil Co. JOB No. 13120 DATE: 11-17-82

WELL: Howell #4A PIPELINE:

LOCATION: SEC. 27 TWP. 28 RGE. 8 CO. San Juan STATE N.M.

ELEV. ____ FT: ROTARY 575 FT: CABLE TOOL 0 FT: CASING 0

GROUNDBED: DEPTH 575 FT. DIA. 6 3/4 IN. GAB 5700 LBS. ANODES 10-2"x60" Type D

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE E	I	R	NO COKE I	WITH COKE I	DEPTH TOP OF ANODES NO.	FT.
15	SAND		0.7					
20			1.0					
25			1.2		1.3	2.4	10	425
30			1.8					
35			1.6		2.0	3.3	9	435
40			1.3					
45	SANDY SHALE		1.1		2.0	3.1	8	445
50			1.1					
55			1.1				7	
60			1.2					
65			1.6		1.9	3.5	7	465
70			1.6					
75			1.5		2.2	3.6	6	475
80			1.6					
85			1.6		1.6	2.6	5	485
90			1.4					
95			1.0					
500			0.8					
5			1.1					
10			1.2		1.7	3.3	4	510
15			1.6					
20			1.5		1.6	3.0	3	520
25			1.7					
30			1.7		1.4	2.7	2	530
35			1.1					
40			1.2					
45			1.3		1.5	2.7	1	545
50			1.3					
55			2.3					
60			1.4					
65			1.4					
70								
75								
80	T.D. 572 Ft.							

GROUNDBED RESISTANCE: (1) VOLTS 12.03 - AMPS 13.4 - .90 OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CPS
CATHODIC PROTECTION SERVICES

WELL TYPE GROUNDBED DATA

DATA SHEET NO. 1 of 2

COMPANY MERIDIAN OIL Co. JOB No. 13180 DATE: 11-17-87

WELL: HOWELL #4A PIPELINE:

LOCATION: SEC 27 TWP. 28 RGE. 8 CO. SAN JUAN STATE NM

ELEV. ____ FT: ROTARY 575 FT: CABLE TOOL -0- FT: CASING -0-

GROUNDBED: DEPTH 575 FT. DIA. 6 3/4 IN. GAS 5700 LBS. ANODES 10-2"x60" TYPE

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	DEPTH TOP OF ANODES	
	FIRST WATER AT 180'	E	I	R			NO.	FT
200	0'-80' SAND		0.6					
5	80'-150' SANDY SHALE		0.7					
10	150'-210' SAND		1.0					
15	SANDY SHALE		0.9					
20			0.8					
25			0.7					
30			0.8					
35			0.8					
40			0.7					
45	SAND		0.7					
50			0.4					
53			0.4					
60			0.4					
65			0.5					
70			0.5					
75			0.5					
80			0.5					
85			0.4					
90			0.4					
95			0.5					
300			0.8					
5			1.0					
10			0.8					
15			0.6					
20			0.7					
25			0.8					
30			1.4					
35			1.9					
40			0.9					
45			1.0					
50			1.0					
55			1.3					
60			0.8					
65			0.5					
70			0.4					
75			0.4					
80			0.4					
85			0.5					
90			0.9					
95			0.7					
400			0.5					
100			0.7					
10			0.7					

GROUNDBED RESISTANCE: (1) VOLTS 12.03 - AMPS 134 - .90 OHMS

(2) VIBROGROUND _____ OHMS