

1094

30-045-26451

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 H Sec. 31 Twp 31 Rng 8
Name of Well/Wells or Pipeline Serviced HOWELL D #3B
cps 1820w
Elevation 6298' Completion Date 8/4/87 Total Depth 480' 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. 100' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: N/A
Depths anodes placed: 450', 442', 434', 426', 418', 410', 402', 396', 388', 380'
Depths vent pipes placed: 475'
Vent pipe perforations: 380'
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.

BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

CPS 1820 w

COMPANY Meridian Oil DAILY DRILLING REPORT 8/4 19 87

WELL NAME: <u>Howell D</u>	WELL NUMBER: <u>3B</u>	SECTION: <u>31</u>	TOWNSHIP: <u>31</u>	RANGE: <u>8W</u>
-------------------------------	---------------------------	-----------------------	------------------------	---------------------

WATER AT:

FEET:

HOLE MADE:

100

1/2 GPM

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
<u>0</u>	<u>100</u>	<u>Sandstone</u>	
<u>100</u>	<u>180</u>	<u>shale</u>	
<u>180</u>	<u>220</u>	<u>sandy shale</u>	
<u>220</u>	<u>240</u>	<u>shale</u>	
<u>240</u>	<u>280</u>	<u>sandy shale</u>	
<u>280</u>	<u>300</u>	<u>shale</u>	
<u>300</u>	<u>320</u>	<u>sand</u>	
<u>320</u>	<u>380</u>	<u>sandy shale</u>	
<u>380</u>	<u>400</u>	<u>sand</u>	
<u>400</u>	<u>440</u>	<u>shale</u>	
<u>440</u>	<u>480</u>	<u>shale</u>	

REMARKS:

Driller

Steve Strong

Tool Dresser

BURG CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 8/4/87

CPS 1820W

Company Meridian oil

Well No Howell D-38 Location NE 31-31-8

Volts Applied 12.01

Amperes 1.5

Depth (ft)	Current (mA)	Depth (ft)	Current (mA)	Depth (ft)	Current (mA)
5		230	1.0	455	2.2
10		235	.8	460	1.8
15		240	.6	465	2.0
20		245	.4	470	
25		250	.4	475	T.D
30		255	.5	480	Drilled To
35		260	.2	485	
40		265	.4	490	
45		270	.8	495	
50		275	.7	500	Drilled To
55		280	.5	505	
60		285	.3	510	
65		290	.1	515	
70		295	.2	520	
75		300	.3	525	
80		305	.4	530	
85		310	.4	535	
90		315	.7	540	
95		320	1.4	545	
100	WATER	325	1.1	550	
105		330	.7	555	
110		335	.5	560	
115		340	.7	565	
120		345	.8	570	
125		350	1.3	575	
130		355	.7	580	
135		360	.5	585	
140		365	.3	590	
145		370	1.8	595	
150		375	2.4	600	
155		380	2.4 (10)	605	
160		385	2.7 (9)	610	
165		390	2.3 (9)	615	
170		395	2.3 (9)	620	
175		400	2.4 (7)	625	
180		405	2.3	630	
185		410	2.2 (9)	635	
190		415	2.1	640	
195		420	2.1 (9)	645	
200	.3	425	2.6 (9)	650	
205	.7	430	2.2 (9)	655	
210	.7	435	1.9	660	
215	.7	440	1.8 (9)	665	
220	.9	445	1.8	670	
225	.9	450	2.0 (9)	675	
				680	
				685	
				690	
				695	
				700	
				705	
				710	
				715	
				720	
				725	
				730	
				735	
				740	
				745	1-450-
				750	2-442-
				755	3-434-
				760	4-426-
				765	5-418-
				770	6-410-
				775	7-402-
				780	8-396-
				785	9-388-
				790	10-380-
				795	
				800	1-450-2.2-4
				805	2-442-1.9-3
				810	3-434-2.1-3
				815	4-426-2.2-4
				820	5-418-2.2-4
				825	6-410-2.4-4
				830	7-402-2.5-5
				835	8-396-2.4-5
				840	9-388-2.9-4
				845	10-380-2.4-3
				850	
				855	
				860	
				865	
				870	
				875	
				880	
				885	
				890	
				895	
				900	



CPS 1820W

H 31-31-08

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 5	Date Sampled 8/4/87	
Field BLANCO	Legal Description		County or Parish San Juan	State NM
Lease or Unit	Well Howell D 3B	Depth 100'	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point 100'		Sampled By J.E.

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	58	2.5
Calcium, Ca	122	6.1
Magnesium, Mg	12	1.0
Barium, Ba		

OTHER PROPERTIES

pH	7.18
Specific Gravity, 60/60 F.	1.003
Resistivity (ohm-meters) 71.6 F.	13
Conductance	760 umho

Total Dissolved Solids (calc.) 700 ppm

ANIONS

Chloride, Cl	21	0.6
Sulfate, SO ₄	246	5.1
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	238	3.9
Hydroxide	0	0

Iron, Fe (total) _____
Sulfide, as H₂S 0

REMARKS & RECOMMENDATIONS:

