

4374

30-045-09213

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit A Sec. 25 Twp 30 Rng 8Name of Well/Wells or Pipeline Serviced HOWELL L #2

cps 6w

Elevation 6227' Completion Date 6/12/87 Total Depth 500' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. 120 ft.

RECEIVED

MAY 31 1991

Depths gas encountered: N/AOIL CON. DIV.
DIST. 3Type & amount of coke breeze used: N/ADepths anodes placed: 405', 380', 355', 345', 225', 215', 170', 155', 145', 135'Depths vent pipes placed: N/AVent pipe perforations: 100 ft.Remarks: gb #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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date 6-12-87

CPS # _____ Well Name, Line or Plant: Howell L #2 Work Order # 52044.01-90 Static: .79 NW Ins. Union Check ☒ Good ☐ Bad

Location: A 25-30-8 Anode Size: 2" x 60" Anode Type: Duriron Size Bit: 6 3/4

Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
<u>500</u>	<u>479</u>	<u>5 1/2 hrs</u>			

Anode Depth		Anode Output (Amps)		Anode Depth		Anode Output (Amps)	
# 1 <u>40.5</u>	# 2 <u>38.0</u>	# 3 <u>35.5</u>	# 4 <u>34.5</u>	# 5 <u>22.5</u>	# 6 <u>21.5</u>	# 7 <u>17.0</u>	# 8 <u>15.5</u>
# 9 <u>14.5</u>	# 10 <u>13.5</u>	# 11 <u>12.5</u>	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20				

Total Circuit Resistance	Volts	Amps	Ohms	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
	<u>12.25</u>	<u>15.5</u>	<u>.79</u>		

Remarks: Hit a little water at 120'; waited 2 hrs
and was just able to get water sample.
Drilled to 500' - little shale but it logged
C.K. perforated vent pipe up to 100'
left hole open overnight water was
settling at about 350'

Rectifier Size: _____ V _____ A 4200.00
 Addn'l Depth _____
 Depth Credit: 21' 84.00
 Extra Cable: 135 33.75
 Ditch & 1 Cable: 6.5 25.35
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____

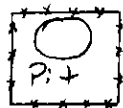
All Construction Completed

Randy Smith
 (Signature)

GROUND BED LAYOUT SKETCH

Junction Box
 Ext Anode

69.75 4315.10 Rect ☐
4384.85
219.24
4604.09

TOTAL. 4,604.09

GB #1
 45' ∇ GB #3

 ∇ GB #3

N

BURGE CORROSION SYSTEMS, INC.

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

CPS GW

COMPANY Meridian Oil DAILY DRILLING REPORT June 11 1987

WELL NAME: Howell	WELL NUMBER: L-2	SECTION:	TOWNSHIP:	RANGE:
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WATER AT:

120'

FEET:

HOLE MADE:

479' TD

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
0	40	sandstone-clay	
40	120	sandstone-water	
120	175	shale	
175	205	sandstone	
205	225	sandy shale streamers	
225	340	sandstone	
340	360	sandy shale	
360	375	sandstone	
375	385	sandy shale streamers	
385	400	sandstone	
400	405	shale streamer	
405	435	sandstone	
435	440	shale streamer	
400	500	sand-sandstone	

REMARKS:

Brian E. Budge

Driller

Tool Dresser

Date 6-12-87

Company Meridion O.I

Well No. Howell 2#2 Location N.E. 25 - 30 - 8

- Volts Applied 12.75

Ampere 15.5

5		230	3	455	4	680	2405
10		235	2	460	4	685	2305
15		240	2	465	3	690	3305
20		245	2	470	8	695	2305
25		250	2	475	TD479	700	352/92.63.7
30		255	2	480		705	62/52.13.7
35		260	2	485		710	21.70/42.9
40		265	4	490		715	3155305.5
45		270	6	495		720	2145245.2
50		275	5	500		725	101352.14.8
55		280	5	505		730	11251.94.4
60		285	5	510		735	
65		290	5	515		740	
70		295	5	520		745	
75		300	5	525		750	
80		305	6	530		755	
85		310	5	535		760	
90		315	5	540		765	
95		320	5	545		770	
100		325	6	550		775	
105		330	5	555		780	
110		335	5	560		785	
115		340	8	565		790	
120	1.8	345	1.9	570		795	
125	1.8	350	2.1	575		800	
130	1.5	355	1.9	580		805	
135	1.9	360	1.0	585		810	
140	1.8	365	6	590		815	
145	2.2	370	5	595		820	
150	1.8	375	6	600		825	
155	2.7	380	1.4	605		830	
160	8	385	1.0	610		835	
165	9	390	8	615		840	
170	1.2	395	6	620		845	
175	9	400	6	625		850	
180	6	405	1.0	630		855	
185	4	410	9	635		860	
190	4	415	9	640		865	
195	5	420	6	645		870	
200	6	425	4	650		875	
205	6	430	5	655		880	
210	1.1	435	6	660		885	
215	1.8	440	1.6	665		890	
220	1.7	445	5	670		895	
225	1.4	450	4	675		900	