

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

Operator BURLINGTON RESOURCES Location: Unit E Sec. 23 Twp 30 Rng 11

Name of Well/Wells or Pipeline Serviced HAATMAN 6A
30-045-29541

Elevation _____ Completion Date 6-30-98 Total Depth 300 Land Type 5

Casing Strings, Sizes, Types & Depths 20" 8" PVC

If Casing Strings are cemented, show amounts & types used _____

NONE

If Cement or Bentonite Plugs have been placed, show depths & amounts used _____

NONE

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 140 - 155 7-8 GAL PER MIN

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: _____

290 SW LA ROSA 1600[#]

Depths anodes placed: 185-190-200-205-220-250-275-285

Depths vent pipes placed: 0 - 290

Vent pipe perforations: 160-290

Remarks: _____

RECEIVED
MAR - 9 1999

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.

TIERRA DYNAMIC COMPANY			DEEP WELL GROUNDED LOG DATA SHEET						
COMPANY NAME: <u>BURLINGTON RESOURCES</u>									
WELL NAME: <u>HARTMAN CN 6A</u>									
LEGAL LOCATION: <u>73-30-11</u>			COUNTY: <u>SAN JUAN NM</u>						
DATE: <u>6-30-98</u>			TYPE OF COKE: <u>SW</u>						
DEPTH: <u>300</u>			AMT. OF COKE BACKFILL: <u>1600²</u>						
BIT SIZE: <u>6 1/4</u>			VENT PIPE: <u>0-290</u>						
DRILLER NAME: <u>MEACEA</u>			PERF. PIPE: <u>160-290</u>						
SIZE AND TYPE OF CASING: <u>20' 8" PVC</u>			ANODE AMT. & TYPE: <u>8</u>						
			BOULDER DRILLING:						
DEPTH			DEPTH			COMPLETION INFORMATION:			
FT.	LOG	ANODE	FT.	LOG	ANODE	FT.	LOG	ANODE	WATER DEPTHS: <u>110</u>
									ISOLATION PLUGS:
100	1.1		265	1.1		430			
105	1.1		270	1.5		435			OUTPUT
110	1.1		275	1.3		440			OUTPUT
115	1.0		280	1.4		445			ANODE# DEPTH NO. COK COKED
120	0.9		285	1.2		450			1 285 2.1 6.0
125	0.9		290	1.3		455			2 295 2.3 5.8
130	1.1		295			460			3 250 1.9 5.8
135	1.1		300			465			4 220 2.3 6.9
140	1.1		305			470			5 205 2.1 6.6
145	1.1		310			475			6 200 2.5 8.0
150	1.1		315			480			7 190 2.3 8.2
155	1.1		320			485			8 185 2.5 8.4
160	1.1		325			490			9
165	1.1		330			495			10
170	1.1		335			500			11
175	1.1		340			505			12
180	1.1		345			510			13
185	1.1		350			515			14
190	1.1		355			520			15
195	1.1		360			525			16
200	1.1		365			530			17
205	1.1		370			535			18
210	1.1		375			540			19
215	1.1		380			545			20
220	1.1		385			550			21
225	1.1		390			555			22
230	1.1		395			560			23
235	1.1		400			565			24
240	1.1		405			570			25
245	1.1		410			575			26
250	1.1		415			580			27
255	1.1		420			585			28
260	1.1		425			590			29
						595			30

LOGGING VOLTS: 12.1
 TOTAL AMPS: 22.4
 REMARKS:

VOLTAGE SOURCE: BAT
 TOTAL G/B RESISTANCE: 0.549