

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

Operator Burlington Resources Location: Unit L Sec. 27 Twp 30 Rng 11

Name of Well/Wells or Pipeline Serviced Murphy "D" #4A
30-045-29450

Elevation 5888 Completion Date 2-25-98 Total Depth 340' Land Type S

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

If Casing Strings are cemented, show amounts & types used 4 Bags Portland Cement

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. 195 serp

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 340', 2000 lbs
lorresco SW coke breeze

Depths anodes placed: 320, 310, 300, 290, 280, 240, 230, 220

Depths vent pipes placed: 340'

Vent pipe perforations: Bottom 150'

Remarks: _____

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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>Murphy "D" #4A</u>								
LEGAL LOCATION: <u>Sec 27-30-11</u>				COUNTY: <u>San Juan</u>				
DATE: <u>2-25-98</u>				TYPE OF COKE: <u>Long 510 SW</u>				
DEPTH: <u>340'</u>				AMT. OF COKE BACKFILL: <u>2000 lbs</u>				
BIT SIZE: <u>6 3/4</u>				VENT PIPE: <u>340'</u>				
DRILLER NAME: <u>Jack Ledbetter</u>				PERF. PIPE: <u>Bottom 150'</u>				
SIZE AND TYPE OF CASING: <u>8" PVC X 20'</u>				ANODE AMT. & TYPE: <u>Anode - Duriron</u>				
				BOULDER DRILLING:				
DEPTH			DEPTH			DEPTH		COMPLETION INFORMATION:
FT.	LOG	ANODE	FT.	LOG	ANODE	FT.	LOG	ANODE
100			265	.16		430		
105			270	.4		435		
110			275	.8		440		
115			280	2.16	5	445		
120			285	2.7		450		
125			290	2.16	4	455		
130			295	2.9		460		
135			300	3.0	3	465		
140			305	3.0		470		
145			310	2.7	2	475		
150	2.6		315	1.8		480		
155	2.2		320	1.4	1	485		
160	1.9		325	3.1		490		
165	1.5		330	3.0		495		
170	1.4		335	T.D.		500		
175	1.4		340			505		
180	1.5		345			510		
185	1.4		350			515		
190	1.0		355			520		
195	.9		360			525		
200	1.8		365			530		
205	2.3		370			535		
210	2.4		375			540		
215	3.1		380			545		
220	2.4	8	385			550		
225	2.3		390			555		
230	2.3	7	395			560		
235	2.4		400			565		
240	2.3	6	405			570		
245	1.7		410			575		
250	2.2		415			580		
255	1.6		420			585		
260	.8		425			590		
						595		

LOGGING VOLTS: <u>11.78</u>	VOLTAGE SOURCE: <u>Auto</u>
TOTAL AMPS: <u>17.0</u>	TOTAL G/B RESISTANCE: <u>.69</u>
REMARKS:	