

2A - 30-045-22524

5A - 30-045-20894

Exhibit D

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

Operator MERIDIAN OIL CO. Location: Unit 0 Sec. 10 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY A- 2A & 5A

Elevation Completion Date 10-23-90 Total Depth 680' Land Type

Casing Strings, Sizes, Types & Depths 20' of 7" steel casing.

If Casing Strings are cemented, show amounts & types used

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

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Water at 280' No water sample

Depths gas encountered:

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

500 feet with Asbury Petroleum coke breeze.

Depths anodes placed: 629, 623, 617, 611, 605, 599, 593, 550, 545, 540, 535

Depths vent pipes placed: 680 feet

Vent pipe perforations: 400 feet

Remarks:

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**

Exhibit A

Drilling Log (Attach Hereto) ☐Completion Date 10-23-90

CPS # 1264-W	Well Name, Line or Plant: SUNRAY A2A SUNRAY A5	Work Order #	State:	Ina. Union Check ☒ Used ☐ Not																																																																	
Location: 010-30-10	Anode Size: 2" X 60"	Anode Type: ANOTEC	Size Bit: 6 1/4																																																																		
Depth Drilled 680'	Depth Logged 645'	Drilling Rig Time	Total Lbs. Gels Used 3800 #	Loss Circulation Mat'l Used																																																																	
<table border="1"> <tr> <td colspan="2">Anode Depth</td> <td colspan="2"># 1 629</td> <td># 2 623</td> <td># 3 617</td> <td># 4 611</td> <td># 5 605</td> <td># 6 599</td> <td># 7 593</td> <td># 8 550</td> <td># 9 545</td> <td># 10 540</td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td># 1 2.0</td> <td># 2 2.7</td> <td># 3 2.8</td> <td># 4 2.6</td> <td># 5 2.6</td> <td># 6 2.2</td> <td># 7 2.2</td> <td># 8 2.1</td> <td># 9 2.8</td> <td># 10 2.7</td> <td></td> </tr> <tr> <td colspan="2">Anode Depth</td> <td># 11 535</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> <td># 17</td> <td># 18</td> <td># 19</td> <td># 20</td> <td></td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td># 11 2.7</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> <td># 17</td> <td># 18</td> <td># 19</td> <td># 20</td> <td></td> </tr> <tr> <td colspan="2">Total Circuit Resistance</td> <td colspan="2">Volts 12.2</td> <td colspan="2">Amps 8.3</td> <td colspan="2">Ohms 1.46</td> <td colspan="2">No. 8 C.P. Cable Used</td> <td colspan="3">No. 2 C.P. Cable Used</td> </tr> </table>					Anode Depth		# 1 629		# 2 623	# 3 617	# 4 611	# 5 605	# 6 599	# 7 593	# 8 550	# 9 545	# 10 540	Anode Output (Amps)		# 1 2.0	# 2 2.7	# 3 2.8	# 4 2.6	# 5 2.6	# 6 2.2	# 7 2.2	# 8 2.1	# 9 2.8	# 10 2.7		Anode Depth		# 11 535	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20		Anode Output (Amps)		# 11 2.7	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20		Total Circuit Resistance		Volts 12.2		Amps 8.3		Ohms 1.46		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
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Remarks: Set 20' of 7" Steel casing thru Boulders. Driller said wet at 280'
waited 30 minutes, Blew some thick mud out of hole. Did not get water
sample. Ran 680' of 1" PVC Vent Pipe. Perforated 400' of Vent Pipe.
Left Coke Breeze Approximately 500'

Rectifier Size: _____ V _____ A
 Addn'l Depth: 100'
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 105'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

Willis Knight Jr
 (Signature)

GROUND BED LAYOUT SKETCH

RECEIVED
 NOV 20 1990
 OIL CON. DIV.
 DIST. 3

SUNRAY A2A

105' ————
 RECTIFIER ———— G.B. #2

SUNRAY A5

BURGE CORROSION SYSTEMS, INC.P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

COMPANY

MERIDIAN OIL

DAILY DRILLING REPORT

10-23

1990

WELL NAME:

SUN244

WELL NUMBER:

A-24
A-5A

SECTION:

10

TOWNSHIP:

30

RANGE:

10

WATER AT:

380'

FEET:

HOLE MADE:

680'

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
0	20'	7" STEEL CASING (Through Boulders)	
20	60'	SANDSTONE	
60'	70'	CLAY-SHALE-COAL	
70	90'	SANDSTONE	
90'	110'	CLAY-SHALE	
110'	190'	SANDSTONE	
190'	200'	shale	
200'	260'	SANDSTONE	
260'	270'	shale	
270'	380'	SANDSTONE - POWDER SAND - WATER - INJECTION	
380'	450'	SANDSTONE - BENTONITE	
450'	470'	shale	
470'	490'	SAND-SHALE MIX	
490'	540'	SANDSTONE	
540'	570'	shale	
570'	610'	SANDSTONE	
610'	680'	shale	
680'	680'	shale SAND MIX	

REMARKS: WENT INJECTION AT 380' AFTER BLOWING MUD.

SET 20' 7" CASING - STEEL through boulders on surface.

WENT TO 680' AFTER EVALUATING hole CONDITIONS & BEST OPTIONS.

Brian E. Burge

Driller

Ron Hunt

Tool Dresser

Meridian 011

CPS #: 1264-W WELL NAME: SURROY A2 A & A5 LOCATION: 00-30-10 DATE: 10-23-90

TOTAL VOLTS: 12.2 TOTAL AMPS: 8.3 OHMS RESISTANCE: -1.46.

											ANODE READINGS				
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	HO.	DEPTH	HO COKE	WITH COKE
5			185			365		8	545	180		1	629	1.7	2.0
10			190			370			550	30		2	623	1.5	2.7
15			195			375			555	30		3	617	1.5	2.8
20			200			380			560	30		4	611	1.8	2.6
25			205			385			565	30		5	605	1.4	2.6
30			210			390			570	30		6	599	1.2	2.2
35			215			395			575	20		7	593	1.1	2.2
40			220			400			580	30		8	580	1.4	2.7
45			225			405			585	160		9	543	1.5	2.8
50			230			410			590	70		10	540	1.4	2.7
55			235			415	7	598	595	1.5		11	535	1.6	2.7
60			240			420	6	599	600	1.5					
65			245			425	5	603	605	1.3					
70			250			430			610	1.2					
75			255			435	4	611	615	1.3					
80			260			440	3	617	620	1.5					
85			265			445	2	623	625	1.4					
90			270			450	1	629	630	1.6					
95			275			455			635	1.6	1				
100			280			460			640	1.6					
105			285			465			645	1.6	TD				
110			290			470			650						
115			295			475			655						
120			300			480			660						
125			305			485			665						
130			310			490			670						
135			315			495			675						
140			320			500			680						
145			325			505			685						
150			330			510			690						
155			335			515			695						
160			340			520			700						
165			345			525			705						
170			350	11		530	190		710						
175			355	10	533	535	1.1		715						
180			360	9	539	540	1.1		720						

REMARKS: Set 20' of 7" steel casing thru boulders. Driller said wet at 280', waited 30 minutes, blew some thick mud out of hole. Did NOT get water sample.

UNION OF SURROY A2A is in wrong place also flowline N99.