

1525 #2 30-045-08806
#7 30-045-25338
#210 30-045-27121

#E

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 B Sec. 5 Twp 29 Rng 8

Name of Well/Wells or Pipeline Serviced SUNRAY #2, #7, #210

cps 2104w

Elevation 6270' Completion Date 3/29/89 Total Depth 520' 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. DAMP AT 50' & 160'

Depths gas encountered: N/A

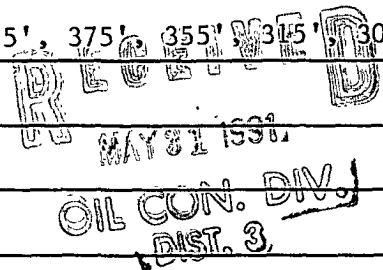
Type & amount of coke breeze used: N/A

Depths anodes placed: 490', 480', 470', 425', 415', 375', 355', 315', 308', 300'

Depths vent pipes placed: 505'

Vent pipe perforations: 450'

Remarks: gb #4



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
CATHOLIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto) ☒

Completion Date 3-29-89

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check																																																												
2104-W	SUNRAY #210	3477A	600' NE = .76	☒ Good ☐ Bad																																																												
Location: BS-29-8	Anode Size: 2" x 60"	Anode Type: Duriron	Size Bit: 6 3/4"																																																													
Depth Drilled: 520'	Depth Logged: 500'	Drilling Rig Time	Total Lbs. Gels Used	Lost Circulation Mat'l Used																																																												
<table border="1"> <tr> <td colspan="2">Anode Depth</td> <td colspan="2">Anode Output (Amps)</td> <td colspan="2">Anode Depth</td> <td colspan="2">Anode Output (Amps)</td> <td colspan="2">Total Circuit Resistance</td> </tr> <tr> <td># 1 490'</td> <td># 2 480'</td> <td># 3 470'</td> <td># 4 425'</td> <td># 5 415'</td> <td># 6 375'</td> <td># 7 355'</td> <td># 8 315'</td> <td># 9 308'</td> <td># 10 300'</td> </tr> <tr> <td># 1 4.0</td> <td># 2 4.1</td> <td># 3 3.4</td> <td># 4 2.5</td> <td># 5 2.7</td> <td># 6 2.5</td> <td># 7 2.5</td> <td># 8 3.0</td> <td># 9 3.1</td> <td># 10 2.9</td> </tr> <tr> <td># 11</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> </tr> <tr> <td># 11</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> </tr> <tr> <td colspan="2">Volts 11.9</td> <td colspan="2">Amps 14.9</td> <td colspan="2">Ohms .799</td> <td colspan="2">No. 8 C.P. Cable Used</td> <td colspan="2">No. 2 C.P. Cable Used</td> </tr> </table>					Anode Depth		Anode Output (Amps)		Anode Depth		Anode Output (Amps)		Total Circuit Resistance		# 1 490'	# 2 480'	# 3 470'	# 4 425'	# 5 415'	# 6 375'	# 7 355'	# 8 315'	# 9 308'	# 10 300'	# 1 4.0	# 2 4.1	# 3 3.4	# 4 2.5	# 5 2.7	# 6 2.5	# 7 2.5	# 8 3.0	# 9 3.1	# 10 2.9	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20	Volts 11.9		Amps 14.9		Ohms .799		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
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Remarks: DRILLED TO 520' LOGGED 500' 12AMP SPOT AT 50' + 160'
 INSTALLED 505' of 1" PVC VENT PIPE, PERFORATED BOTTOM 450'

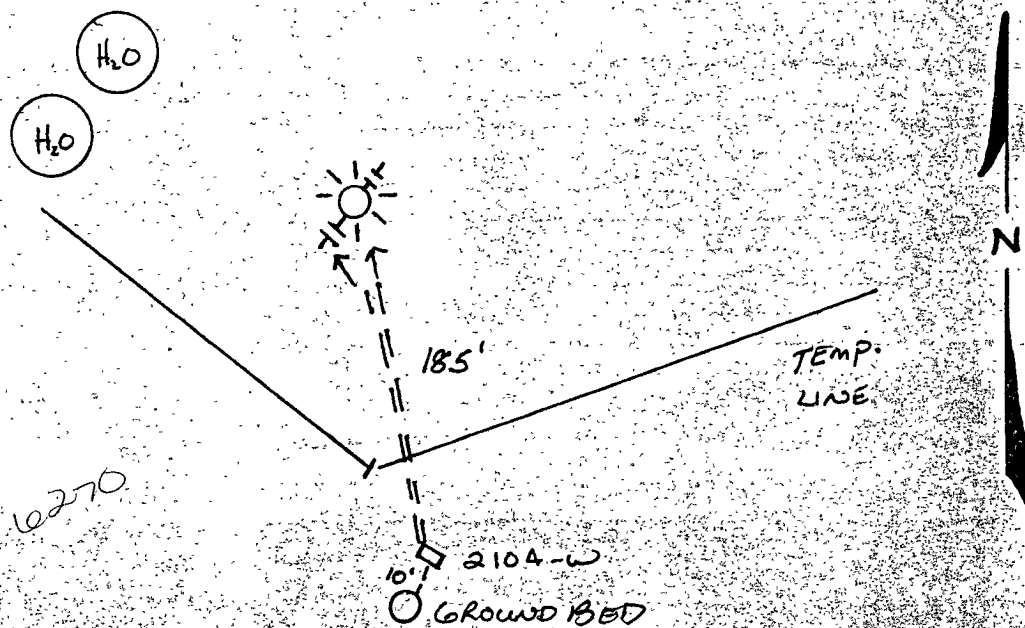
* CAN PLOW AC FROM 264-W - 480'

Rectifier Size: 40 V 16 A
 Addn'l Depth: —
 Depth Credit: —
 Extra Cable: 715 .20
 Ditch & 1 Cable: 675 .70
 25' Meter Pole: —
 20' Meter Pole: —
 10' Stub Pole: —
 Junction Box: 1

All Construction Completed

M. J. Williams
 (Signature)

GROUND BED LAYOUT SKETCH



3,870.00 ✓

599.00 ✓

143.00 ✓

472.50 ✓

144.50 ✓

237.00 ✓

5466.00 ✓

273.30

5739.30 OK

SCOTT DRILLING, INC.

~~P.O. Box 269~~ 1802 LANE 10

POWELL, WY. 82435

(307) 754-2056

WELL NO. *Lunkey-210*

FORMATION:

0-5 *sandy clay*

5-40 *sandstone sand*

40-48 *shale*

304-440 *sandstone* ^{shale} *ledges*

440-480 *sand*

480-520 *shale*

PERFORATIONS:

STATIC WATER TABLE 63'

GRAVEL PACKING

CASED WITH PVC

160 PSI

DRILL: GARDNER DENVER

MAYHEW 1000-ROTARY

PRICE \$ _____ PER FOOT

TOTAL INVOICE:

COMPANY MERIDIAN OIL JOB No. 00004 DATE: 3-28-89
 WELL: SURRY # 210 PIPELINE:
 LOCATION: SEC. 5 TWP. 29 RGE. 8 CO. SAWYER STATE NEBR
 ELEV. 520 FT. ROTARY 520 FT. CABLE TOOL 0 FT. CASING 0
 GROUNDED: DEPTH 500 FT. DIA. 6 3/4 IN. GAS 5000 LBS. ANODES 10 2160 TYPE D

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R				
	<u>FRESH WATER 50</u>							
50								
5								
60								
5								
70								
5								
80								
5								
90								
5								
100								
5								
110								
5								
120								
5								
130								
5								
140								
5								
150								
5								
160				0.3				
5				0.3				
170				0.3				
5				0.3				
180				0.4				
5				0.5				
190				0.5				
5				0.4				
200				0.4				
5				0.4				
210				0.4				
5				0.4				
220				0.4				
5				0.4				
230				0.4				
5				0.4				
240				0.5				
5				0.5				
250				0.4				
5				0.4				

GROUNDED RESISTANCE: (1) VOLTS 11.9 - AMPS 14.9 - 0.80 OHMS

(2) VIBROGROUND: _____ OHMS