

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)

RECEIVED
MAY 21 1989
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.

WELL CASING PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling 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																																																																																									
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Remarks: DRILLED TO 520' LOGGED 500' DAMP SPOT AT 50' + 160'
 INSTALLED 505' of 1" PVC VENT PIPE, PERFORATED BOTTOM 450'

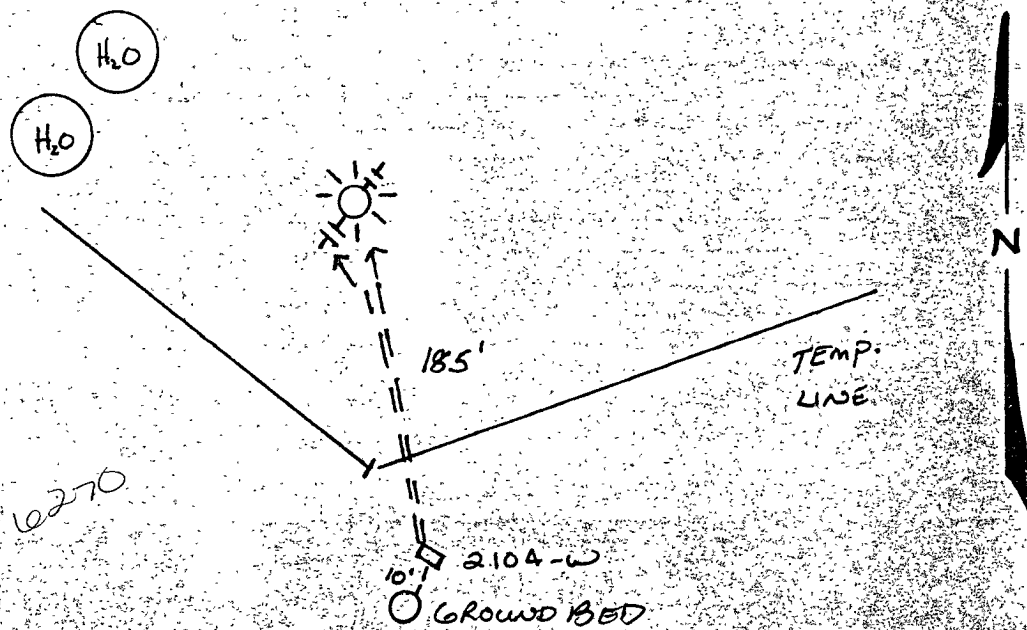
* CAN PLOW AC FROM 264-W - 480'

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 oil 87

SCOTT DRILLING, INC.

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

POWELL, WY. 82435

(307) 754-2056

WELL NO. *See Log* - 210

FORMATION:

0-5 sandy clay

5-40 sandstone sand

40-48 shale

304-440 sandstone ^{shale} ledge

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: SURRAY # 210 PIPELINE: _____
 LOCATION: SEC. 5 TWP. 29 RGE. 8 CO. SAW JOHN STATE N. MEX.
 ELEV. _____ FT. ROTARY 520 FT. CABLE TOOL 0 FT. CASING 0
 GROUND BED: DEPTH 500 FT. DIA. 6 3/4 IN. CAS. 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	I	I	I	I		
	FRESH WATER 50									
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						

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

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A. LUKENS COMPANY