

1 = 30-045-09749

4941

42 30-045-21134

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 11 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY H #1. #4

cps 327w

Elevation 6572' Completion Date 7/22/74 Total Depth 500' 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. 230'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 480', 470', 440', 420'

Depths vent pipes placed: N/A

Vent pipe perforations: 300'

Remarks: gb #2 HOLE #2

RECEIVED

MAY 31 1991

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
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

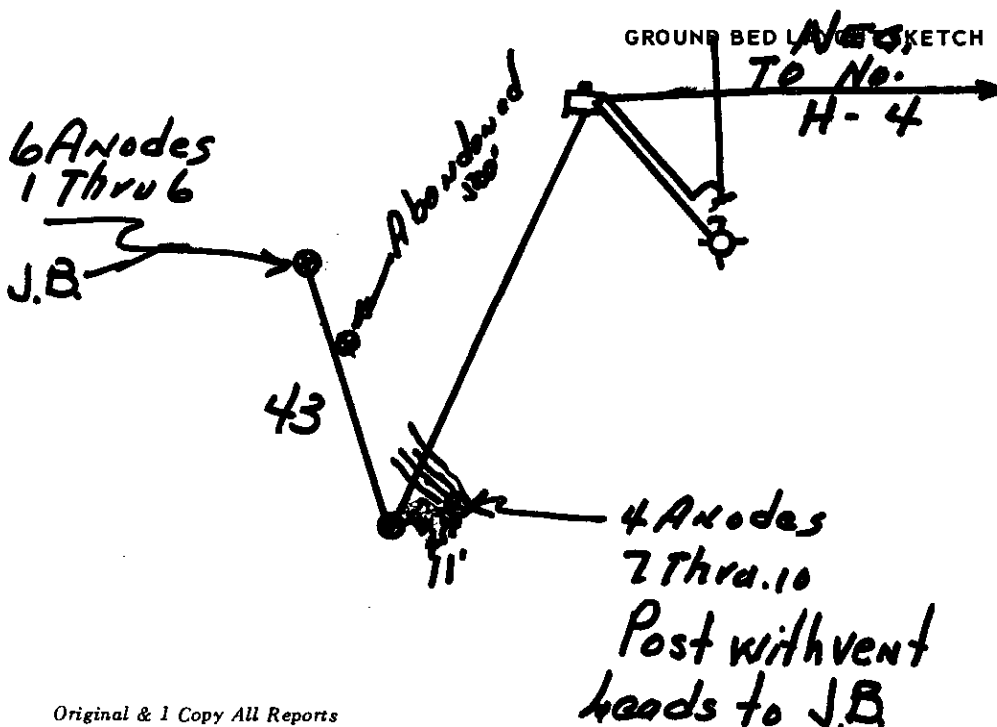
7-16 #
Completion Date 7-22-74

Well Name SUNRAY H#1 & H#4		Location NE 11-30-10		CPS No. 327W	
Type & Size Bit Used 6 3/4				Work Order No. 52609 & 55258	
Anode Hole Depth 620 & 500'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	565	555	545	535	525
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	4.4	5.0	3.6	6.0	6.5
Anode Depth	# 6	# 7	# 8	# 9	# 10
	515	480	470	440	420
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	5.5	2.9	3.8	3.2	3.4
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 12.0		Amps 16.0		Ohms 0.75
					48'
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: Drill 500' lost Bit Cones in Hole - Abandoned hole, Moved & Drilled 620' - Hole Caved while Pumping Coke Left 250' of Pump Hose in Hole - Accepted 6 Anodes - Moved & Drilled 500' - installed 4 Anodes 7 thru 10 - Driller said water 220 to 250' - Vent Hose in 1st hole Perforate 400' - 2nd Hole Perforated 300' - Pump Coke to Surface Both Holes

All Construction Completed

Dave
(Signature)



\$ 3,409.00
19.20 Cable
\$ 3,428.20
\$ 675.00 EXTRA Depth
\$ 4,103.20
164.13 TAX
\$ 4,267.33 TOTAL

STORM WATER WELL DRILLING INC.

**DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
WATER WELL DRILLING**

CONTRACTORS
14991 W. 44TH AVENUE
GOLDEN, COLORADO 80401
PHONE (303) 278-9505

GENERAL OFFICE
14991 W. 45TH AVENUE
BAILEY OFFICE
CALL 1-818-4821

Drill GD 15

Date 7-17-74

Owner C.P.S 327

Location
City FARMINGTON State N.M. County _____

[illegible]

Total Hours _____

Equipment Down Time _____

Hours Drilling _____

Driller Art Blackwell

Helper _____

Helper _____

C.P.S. Time _____

S.W.W.D.t. Time _____

Total Footage _____

Approval of
C.P.S. Engineer _____

STORM WATER WELL DRILLING INC.

GENERAL OFFICE
14991 W. 44TH AVENUE
BASILEY OFFICE
CALL 1-833-4821

2nd Hole
Anodes 7 Thru 10

Date 7-22-74

Location _____
City Parmington State N.M. County _____

Injection at 50
Water 230

Helper_____

This Sheet Applies 1 Thru 6

32710 X=7.6

60	240	7	420	13	8	Starting in 160'
		5		14	10	Driller Said 1111.
70	-50	4	30	15	11	2/220-250-
		2		11	9	Drill 500' Log/B.T
80	60	2	40	9	8	Cones in Hole
		2	74	7	6	Log Not Enough
90	70	2	50	6	5	Moved & Start New
		2	7-16-74	6	5	Hole -
100	80	3	60	6	6	Drill to 600 Log 555
		3		7	6	Went Back & Clean out
110	90	3	70	17	12	Drill to 620
		3		20	19	Log 588
120	100	2	80	13	14	
		2		10	10	Vent Per 400
130	110	2	90	10	10	Hole Caved, 17thub OK
		2		6	9	Left 250' Pump Hose in H
140	120	2	100	5	6	200 To 450
		2	503TD		7	Note 1 Thru 6 Read
150	130	2	110		3	2-26-24 Log with Ck
		2			14	22 - 1 565 25 25 36
160	140	7	120		23	24 2 555 24 25 40 11.5
		8			24	26 - 3 545 23 24 35 10.5A=1.1
170	150	4	130		25	24 4 535 24 26 30
		2			24	24 - 5 525 26 25 50
180	160	2	140		23	23 6 515 22 22 36
		2			23	23 - 7 490 10 10 7
190	170	2	150		21	20 8 480 14 14 10
		6			21	24 - 9 470 12 16 29
200	180	7	160		22	10 430 11 16 12
		10			25	
10	190	1	170		21	
		7			24	
20	200	5	180		25	
		5			24	
30	210	6	190		24	
		9				

This Sheet For Anodes 2 thru 10

327W - 7-22-74

W	gals/mol
10	6.4
20	6.4
30	6.4
40	6.4
50	6.4
60	6.4
70	6.4
80	6.4
90	6.4
100	6.4
110	6.4
120	6.4
130	6.4
140	6.4
150	6.4
160	6.4
170	6.4
180	6.4
190	6.4
200	6.4

W	gals/mol
10	6.4
20	6.4
30	6.4
40	6.4
50	6.4
60	6.4
70	6.4
80	6.4
90	6.4
100	6.4
110	6.4
120	6.4
130	6.4
140	6.4
150	6.4
160	6.4
170	6.4
180	6.4
190	6.4
200	6.4

200		380	6	Drilled 2 nd Hole
			8	
10		90	8	
			7	
20		400	4	
			4	
30		10	5	
			7	
40		70	12	
			16	
50		30	16	
			12	
60		40	12	
			1.0	
70		80	7	
			7	
80		60	8	
			8	
90		70	14	
			2.0	
300	1	10	15	
			11	
10		90	1.0	
			.6	
20		500		
	3	502 TD		
30	3	10		
	4			
40	6	20		
	5			
50	1	30		
	3			
60	2	40		
	1			
70	3	50		
	5			

Vent Perf. 300'

Note Anode Readings
7-22-74

1	24
2	50
3	36
4	60
5	65
6	55
7	480 1.5 1.5 29
8	470 1.4 2.3 38
9	440 1.2 1.5 32
10	420 1.2 1.5 32

$$160 \sqrt{12.0V / 16.0A} = 0.75\Omega$$