

1A- 30-045-22796

3- 30-045-08754

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

Operator MERIDIAN OIL Location: Unit NW Sec. 5 Twp 29 Rng 8

Name of Well/Wells or Pipeline Serviced SUNRAY #1A, #3

cps 1363w

Elevation 6220 Completion Date 5/3/79 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. DAMP AT 240. WET AT 280', 320', 330'

Depths gas encountered: N/A

Type & amount of coke breeze used: 59 SACKS

Depths anodes placed: 450', 440', 430', 420', 410', 400', 390', 360', 340', 330'

Depths vent pipes placed: 450'

Vent pipe perforations: 230'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIST.

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). ☐

Completion Date 5-3-79

Well Name <u>SUNRAY #1A</u> <u>SUNRAY #3</u>		Location <u>NW 5-29-8</u>		CPS No. <u>1363 W</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>#1A-57266-21</u> <u>#3-54028-19</u>	
Anode Hole Depth <u>500'</u> <u>10990d 500'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>59 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 <u>450'</u>	# 2 <u>440'</u>	# 3 <u>430'</u>	# 4 <u>420'</u>	# 5 <u>410'</u>
	# 6 <u>400'</u>	# 7 <u>390'</u>	# 8 <u>360'</u>	# 9 <u>340'</u>	# 10 <u>330'</u>
Anode Output (Amps)	# 1 <u>3.0</u>	# 2 <u>3.6</u>	# 3 <u>3.8</u>	# 4 <u>4.0</u>	# 5 <u>3.4</u>
	# 6 <u>3.6</u>	# 7 <u>2.3</u>	# 8 <u>1.7</u>	# 9 <u>2.8</u>	# 10 <u>2.4</u>
Anode Depth	# 11	# 12	# 13	# 14	# 15
	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts <u>11.4</u>	Amps <u>13.4</u>	Ohms <u>.85</u>			

Remarks: SUNRAY #1A STATIC 600' W. = .80 SUNRAY #3 STATIC 600' E = .75

DRILLER SAID SAND DAMP @ 240', WAITED OVERNIGHT NO WATER. WET AT 280', WAITED
15 MIN, NO WATER. WET AT 320' WAITED 15 MIN, NO WATER. WET AT 330', WAITED 30
MIN, MADE APPROX 3921 WATER & MUD. NO WATER SAMPLE.

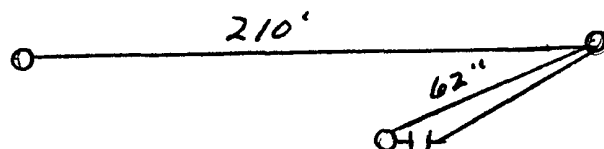
INSTALLED 450' OF 1" VENT PIPE, PERFORATED 220' OF VENT PIPE.

SLURRIED 59 SACK OF COKE BREEZE

All Construction Completed

Thelma Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office
YELLOW - Area Corrosion Office
PINK - Originator File

6220

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

SUNRAY #1A
NW 5-29-8
W/O 57266-21
CPS 1363 W

SUNRAY #3
NW 5-29-8
W/O 54028-19

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

SUNRAY #1A STATIC 600W .80
SUNRAY #3 STATIC 600' E .75
T.D 500
1099pd 500'

DRILLER Said Sand damp at
240' waited over night NO water
WET AT 280' waited 15 min, NO
WATER, wet AT 320' waited 15
min, NO WATER, wet AT 330' waited
30 min, Had APPROX 2 gal of
mud + water
Installed 450' 1" VENT PIPE, Perforated
230' of VENT PIPE
Slurried 59 SACKS COKE BRP.
5-1-79 8 hrs
5-2-79 8 hrs
5-3-79 10 hrs

330 2.1 ⑩ 505
35 2.1 ⑩ 10
40 2.1 ⑨ 15
45 1.5 20
50 1.3

55 1.3
60 1.2 ⑧
65 .9
70 .9
75 .8

80 1.2
85 1.9
90 2.5 ⑦
95 2.5
400 2.5 ⑥

05 2.7
10 2.8 ⑤
15 2.9
20 2.9 ④
25 2.8

30 2.8 ③
35 2.6
40 2.0 ②
45 2.0
50 1.9 ①

55 1.7
60 .9
65 .8
70 .8
75 .8

80 .8 478
85
90
95
500

① 450 3.0
② 440 3.6
③ 430 3.8
④ 420 4.0
⑤ 410 3.4
⑥ 400 3.6
⑦ 390 2.3
⑧ 380 1.7
⑨ 370 2.8
⑩ 360 2.4

11.4 V 13.4 A .85 n