

1008

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3b-039-07149

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. 7 Twp 27 Rng 6Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #43cps 1287w₁Elevation 6174' Completion Date 9/8/78 Total Depth 198' Land Type* N/ACasing, Sizes, Types & Depths 20' OF 8" PVC SURFACE CASINGIf Casing is cemented, show amounts & types used N/AIf 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. 35' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 26 SACKSDepths anodes placed: 155', 115', 105', 95', 85', 75', 65', 55', 45', 35'Depths vent pipes placed: 180'Vent pipe perforations: 160'Remarks: gb #1**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.

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 9/8/78

Well Name <u>S.J. 28-6 #43</u>		Location <u>NE 7-27-6</u>		CPS No. <u>1287 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>52717-19</u>	
Anode Hole Depth <u>6 3/4-198</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>26</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>155'</u>	#2 <u>115'</u>	#3 <u>105'</u>	#4 <u>95'</u>	#5 <u>85'</u>	#6 <u>75'</u>
#7 <u>65'</u>	#8 <u>55'</u>	#9 <u>45'</u>	#10 <u>35'</u>		
Anode Output (Amps)					
#1 <u>2.1</u>	#2 <u>2.0</u>	#3 <u>2.5</u>	#4 <u>3.6</u>	#5 <u>2.7</u>	#6 <u>3.0</u>
#7 <u>4.0</u>	#8 <u>3.4</u>	#9 <u>1.8</u>	#10 <u>1.8</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>12.1</u>	Amps <u>12.1</u>	Ohms <u>1.0</u>			

Remarks: DRILLER SAID WATER AT 35' APPROX. 65 GAL/MIN. DRILLED TO 200', LOGGED 198'. INSTALLED 20' OF 8" P.V.C. SURFACE CASING. INSTALLED 180' OF 1" P.V.C. VENT PIPE PERFORATED TO 160'.

STATIC 600' W. = .89 V.

DITCH #1 CABLE = 407'
EXTRA CABLE = 240'

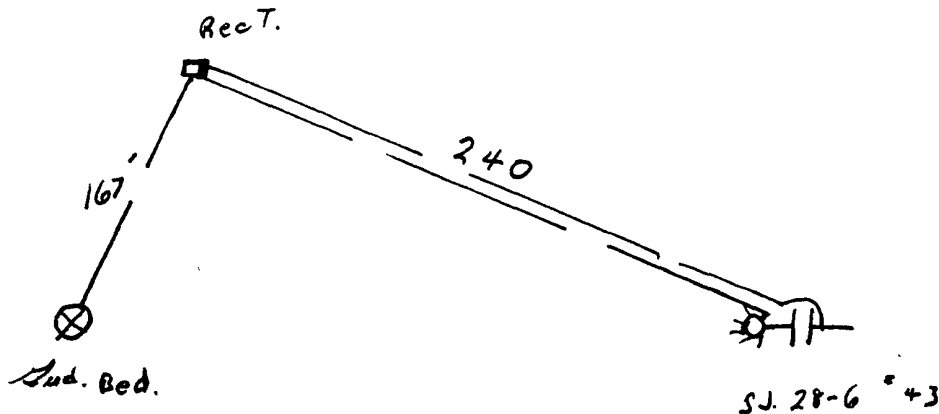
20' Meter Loop pole + 40V 16A Rect.

Hole Depth - 302'

GROUND BED LAYOUT SKETCH

All Construction Completed

JE Stoth
(Signature)



DISTRIBUTION:

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

6674

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

CPS * 12.87 W

S.J. * 28-6 * 43

NE 7-27-6

52717-19

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	IC ₄ 12.38
58.12	nC ₄ 11.93
72.15	IC ₅ 13.85
72.15	nC ₅ 13.71
86.18	IC ₆ 15.50
86.18	C ₆ 15.57
100.21	IC ₇ 17.2
100.21	C ₇ 17.48
114.23	C ₈ 19.39
28.08	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

35 - 1.1 - ⑩

40 - 1.1 - ⑨

50 - 1.1 - ⑧

60 - 1.1 - ⑦

70 - 2.4 - ⑥

80 - 2.1 - ⑤

90 - 1.7 - ④

100 - 2.3 - ③

110 - 2.0 - ②

120 - 1.3 - ①

130 - 1.4 - ①

140 - 2.1 - ④

150 - 2.0 - ③

160 - 1.7 - ②

170 - 1.2 - ①

180 - 2.0 - ②

190 - 1.9 - ③

200 - 1.7 - ④

210 - 1.6 - ⑤

220 - 1.5 - ⑥

230 - 1.4 - ⑦

240 - 1.3 - ⑧

250 - 1.2 - ⑨

260 - 1.1 - ⑩

270 - 1.0 - ⑪

280 - 0.9 - ⑫

290 - 0.8 - ⑬

300 - 0.7 - ⑭

310 - 0.6 - ⑮

320 - 0.5 - ⑯

330 - 0.4 - ⑰

340 - 0.3 - ⑱

350 - 0.2 - ⑲

360 - 0.1 - ⑳

370 - 0.0 - ㉑

380 - 0.0 - ㉒

390 - 0.0 - ㉓

400 - 0.0 - ㉔

410 - 0.0 - ㉕

420 - 0.0 - ㉖

430 - 0.0 - ㉗

440 - 0.0 - ㉘

450 - 0.0 - ㉙

Driller said water at 35', approx 65 gal/min. Drilled to 200' logged 198' installed 180' of 1" P.V.C. vent pipe perforated 160' installed 20' of 8" P.V.C. surface casing.

1 = 155' 1.1 - 2.1

2 = 115' 1.2 - 2.0

3 = 105' 1.6 - 2.5

4 = 95' 2.4 - 3.6

5 = 85' 1.6 - 2.7

6 = 75' 2.1 - 2.0

7 = 65' 2.9 - 4.0

8 = 55' 2.3 - 3.4

9 = 45' 1.2 - 1.8

10 = 35' 1.2 - 1.8

12.1 V. 12.1 A.

1.0 Ω

1 x 9.8' T.D

200 -

9/8/78

js

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-9337 Date SEPTEMBER 19, 1978

Operator EPNG Well Name CPS #287W SJ 28-6 #43

Location 7-27-6 County RIO ARRIBA State NM

Field Formation

Sampled From 35' 65 gal/m

Date Sampled By

Tbg. Press. <u></u>	Csg. Press. <u></u>	Surface Csg. Press. <u></u>	
ppm	epm	ppm	epm

Sodium <u>547</u>	23.8	Chloride <u>14</u>	.4
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Calcium <u>446</u>	22.3	Bicarbonate <u>320</u>	5.2
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Magnesium <u>108</u>	8.9	Sulfate <u>2375</u>	49.4
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Iron <u>PRESENT</u>		Carbonate <u>0</u>	0
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	0
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

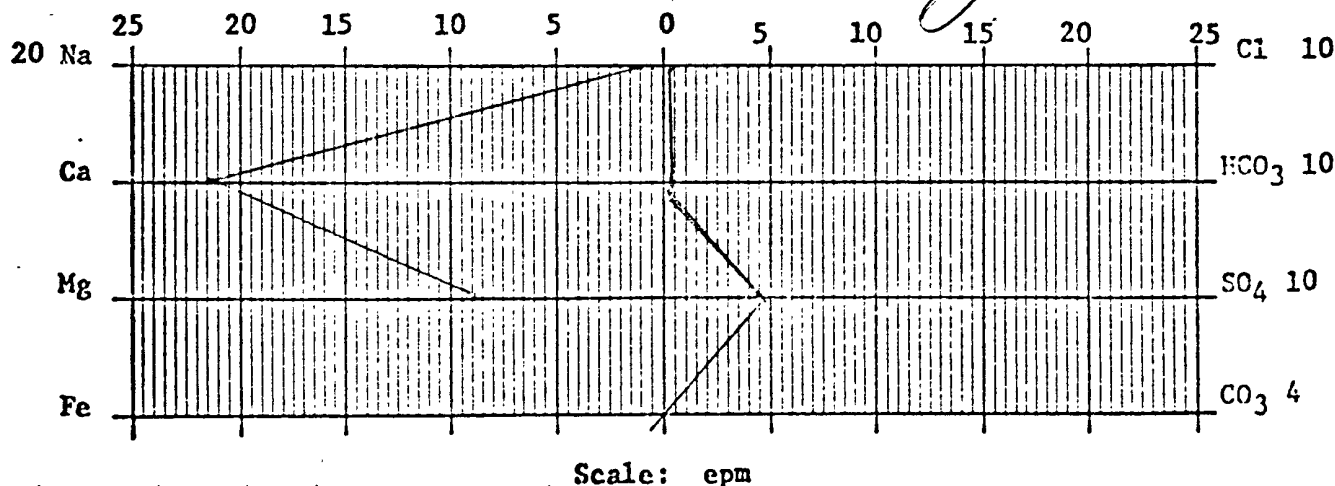
Total Solids Dissolved 1715

pH 7.75

Sp. Gr. 1.0038 at 60°F

Resistivity 270 ohm-cm at 71 °F

Alton James
Chemist



LEASE

WELL NO. 1287 CONTRACTOR OF

MORNING

DAYLIGHT

REPORT NO.

EVENING

DATE _____

Sept 8 1978

[illegible]