

1001

#82 30-039-07073

E

#183 30-039-20619

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. 13 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #82, #183

cps 1296w

Elevation 6418 Completion Date 8/23/78 Total Depth 420' 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. 120' & 160' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 49 SACKS

Depths anodes placed: 360', 350', 265', 255', 245', 218', 211', 197', 190'

Depths vent pipes placed: 400'

Vent pipe perforations: 280'

Remarks: gb #1

RECEIVED
MAY 31 1991
JUL. DIV. 1
ST. 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). ☐

Completion Date 8-23-78

Well Name S. J. 28-6		# 82 # 183		Location NE 13-27-6		CPS No. 1296 W	
Type & Size Bit Used 6 3/4						Work Order No. # 82 = 53605-19 # 183 = 55481-21	
Anode Hole Depth Logged 420 - 405		Total Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
Anode Depth							
# 1 360		# 2 350		# 3 265		# 4 255	
# 5 245		# 6 218		# 7 211		# 8 204	
# 9 197		# 10 190					
Anode Output (Amps)							
# 1 2.8		# 2 4.1		# 3 3.3		# 4 4.3	
# 5 2.6		# 6 2.7		# 7 4.5		# 8 5.0	
# 9 4.4		# 10 3.9					
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 11.7		Amps 15.8		Ohms 0.74			

Remarks: Static #82 600'S = 0.82. Static #183 600'S = 0.77. Driller
Said MAKING WATER @ 120'. DRILLED to 160'. Next A.M. WATER Standing @.
PERFORATED 280' of 1" PVC Vent Pipe. Installed 400' of 1" PVC Vent Pipe.
SLURRIED 49 SACKS OF COKE BREEZE. Gnd Bed MAKING WATER @ 60 GAL. PER.
1 1/2" X 60" Duriron

Hole Depth =
Ditch & Cable = 376
Extra Cable = 141

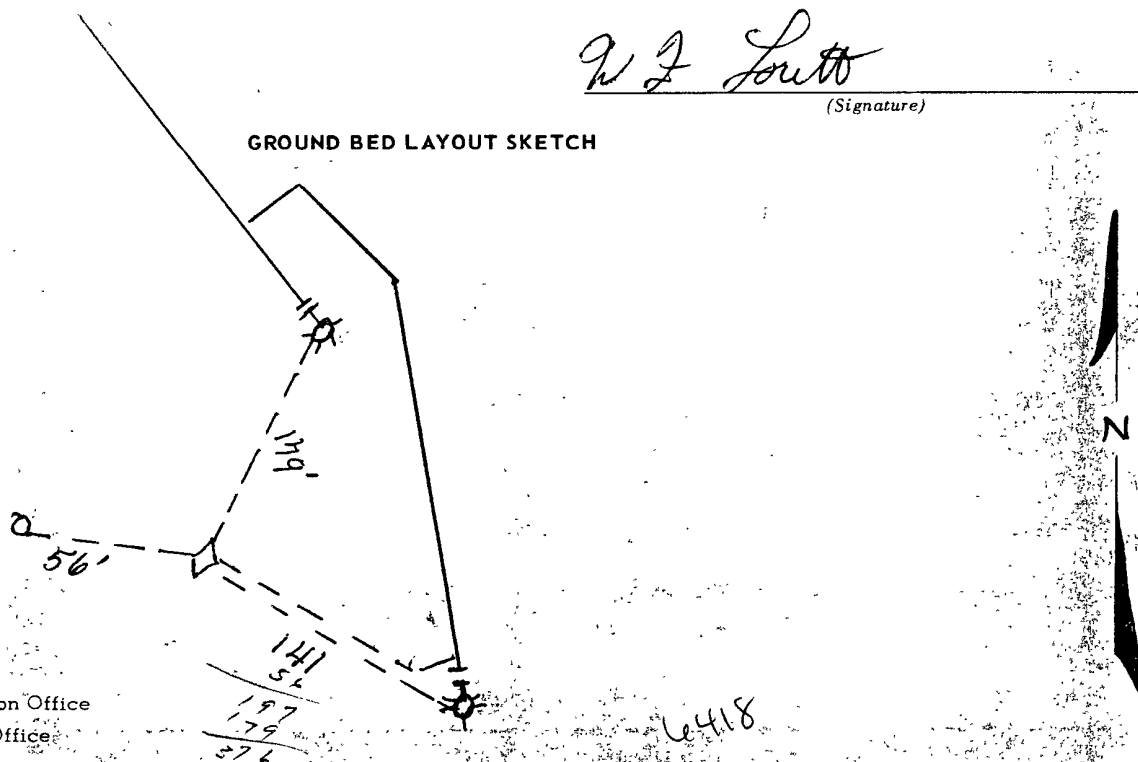
60V 30A Rectifier
Stub Pole

All Construction Completed

W F Lott

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

S.J. 28-6 #82

S.J. 28-6 #183

NE 13-27-6

1296 W

53605-19

55481-21

400
120
280
500
400
95

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

Static #82 600'S = 0.82
Static #183 600'S = .77

DRILLER SAID MAKING WATER @ 120'. DRILLED TO
160' NEXT A.M. WATER STANDING @ 120'.
PERFORATED 280' OF 1" PREVENT PIPE
INSTALLED 400' OF 1" PREVENT PIPE
SLURRIED 49 SACKS OF COKE

120 2.0 10 .6

1.7 .4

30 1.6 20 .4

1.0 .4

40 .4 30 .5

.3 .4

50 .4 40 .6

.3 1.5

60 .3 50 1.6

3 1.8

70 .4 60 1.2

.5 .6

80 .6 70 .7

.6 .8

90 1.5 80 .5

1.5 .3

200 1.6 90 .3

1.8 .3

10 2.0 400 .3

1.3 .3 + D.

20 1.1 10

.9

30 .8 20

.6

40 .8

⑤ 1.0

50 1.0

④ 1.7

60 1.6

③ 1.2

70 .6

.4

80 .4

.4

90 .4

.4

300 .4

.4

60 GALS PER MIN

60V 30A Rectifier

Stub Pole

Hole Depth = -95'

Ditch Cable = 376'

Extra Cable = 141'

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

① 360 1.4 2.8

② 350 2.1 4.1

③ 265 1.4 3.3

④ 255 2.1 4.3

⑤ 245 1.2 2.6

⑥ 218 1.3 2.7

⑦ 211 2.6 4.5

⑧ 204 2.8 5.0

⑨ 197 2.3 4.4

⑩ 190 2.3 3.9

Volts = 11.7

Amps = 15.8

OHMS = 0.74

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

Analysis No. 1-9322 Date 9-15-78

Operator _____ Well Name San Juan 28-6 ##82 & #183

Location 13-27-6 County _____ State NM

Field _____ Formation ANODE bed

Sampled From 1296W WTR @ 120', 160' 606 PM

Date Sampled _____ By _____

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press. _____

ppm	epm	ppm	epm
Sodium <u>380</u>	<u>17</u>	Chloride <u>20</u>	<u>0.6</u>

Calcium <u>6</u>	<u>0.3</u>	Bicarbonate <u>610</u>	<u>10</u>
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Magnesium <u>0</u>	<u>0</u>	Sulfate <u>260</u>	<u>5</u>
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Iron <u>PRESENT</u>		Carbonate <u>40</u>	<u>1.3</u>
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	<u>0</u>
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cc: D.C. Adams
R.A. Ullrich
E.R. PAulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
File

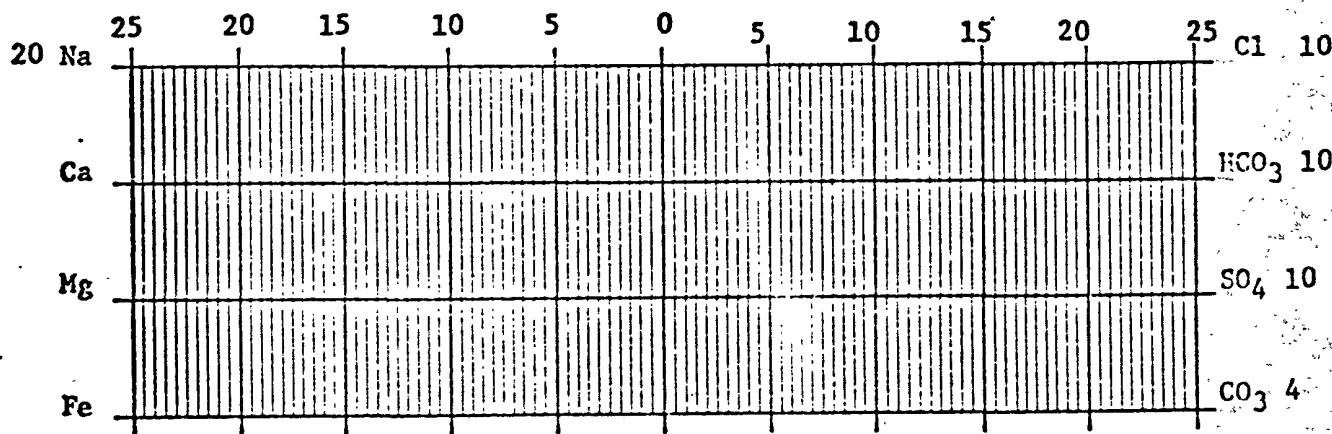
Total Solids Dissolved 986

pH 8.6

Sp. Gr. 1.0019 at 60°F

Resistivity 770 ohm-cm at 72 °F

R. Z. Ellsbury
Chemist



Scale: epm

