

1011

92-36-039-67190

180' 36-039-20615

E

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. 2 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 #92, #180

cps 1277w

Elevation 6462' Completion Date 9/7/78 Total Depth 380' 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. 135' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 32 SACKS

Depths anodes placed: 345', 335', 325', 315', 300', 290', 280', 260', 250', 240'

Depths vent pipes placed: 360' OF 1" PVC VENT PIPE

Vent pipe perforations: 250'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV. 1
DIST. 2

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 9-7-78

Well Name S.J. 28-6 #92 #180		Location NE 2-27-6		CPS No. 1277W	
Type & Size Bit Used 6 3/4"				Work Order No. #92 = 53772-19 #180 = 55478-20	
Anode Hole Depth 380	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	345	335	325	315	300
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	2.9	2.9	3.2	2.8	2.5
Anode Depth	# 6	# 7	# 8	# 9	# 10
	290	280	260	250	240
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	3.4	3.1	2.6	3.5	2.6
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts 11.7	Amps 13.8	Ohms 0.85			

Remarks: Static #92 600' SW = 0.81. Static #180 600' S = 0.72.

DRILLER SAID MAKING WATER @ 135'. 30 GALS PER MIN

PERFORATED 250' OF 1" PVC VENT PIPE. INSTALLED 360' OF 1" PVC VENT PIPE.
SLURRIED 32 SACKS OF COKE

60V 30A Rectifier

Hole Depth - 120

20' Motor Pole

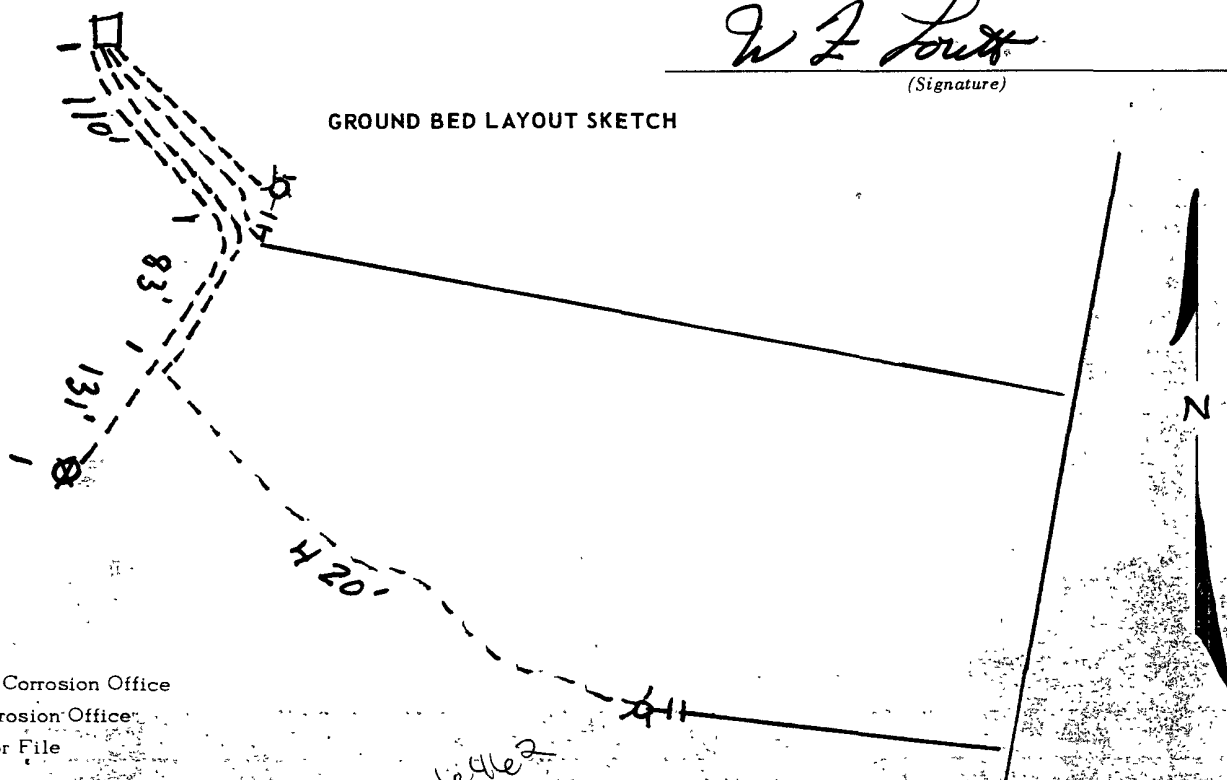
Ditch 5'1 Cable = 744'

EXTRA CABLE = 413'

All Construction Completed

W Z Loux
(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 560 of 130
Date: 5-3-78
By: _____
File: _____

S.J. 28-6 #92

53772-19

S.J. 28-6 #180

NE 2-27-6

1277W

55478-20

Static 600' SW #92 = 0.81

Static 600' S = #180 = 0.72

DRILLER SAID MAKING WATER @ 135'

30 GALS PER MIN.

PERFORATED 250' OF 1" PVC VENT PIPE

INSTALLED 360' OF 1" PVC VENT PIPE

SHIPPED 32 SACKS OF COKE

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

100 80 1.8 ⑦

1.8

10 90 1.8 ⑥

2.0

20 300 1.6 ⑤

1.4

30 1.0 10 1.4

2.0 ④

40 .5 20 2.1

1.9 ③

50 .6 30 2.2

1.5 ②

60 1.1 40 2.3

2.2 ①

70 1.7 50 1.2

1.3

80 2.3 60 .7

1.8

90 2.1 70 1.4

.9

200 .6 80 .7 T.D.

① 345 2.2 2.9

10 .7 90

② 335 2.0 2.9

20 .6 400

③ 325 2.2 3.2

30 .6

④ 315 2.0 2.8

40 .6

⑤ 300 1.7 2.5

50 .6

⑥ 290 2.4 3.4

60 .8

⑦ 280 2.0 3.1

70 1.4

⑧ 260 1.8 2.6

80 1.3 ⑩

⑨ 250 2.3 3.5

90 1.4

⑩ 240 1.6 2.6

100 1.7 ⑨

1.9

110 1.6 ⑥

1.4

120 1.0

1.4

130 1.4

VOLTS 11.7

AMPS 13.8

OHMS 0.85

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

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

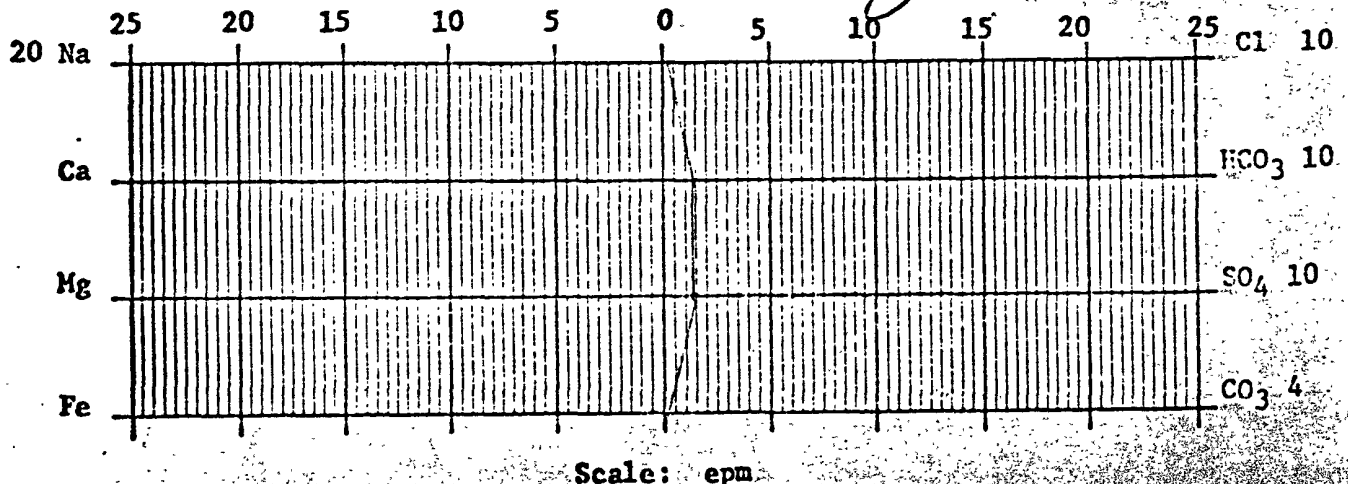
Analysis No. 1-9341 Date SEPTEMBER 18, 1978
Operator EPNG Well Name SAN JUAN 28-6 #92 & 180
Location 2-27-6 County RIO ARRIBA State NM
Field _____ Formation _____
Sampled From CPS 1277W
Date Sampled _____ By _____

Tbg. Press.	Csg. Press.	Surface Csg. Press.
ppm	epm	ppm epm
Sodium <u>412</u>	<u>17.9</u>	Chloride <u>14</u> <u>.4</u>
Calcium <u>14</u>	<u>.7</u>	Bicarbonate <u>549</u> <u>9.0</u>
Magnesium <u>.5</u>	<u>.1</u>	Sulfate <u>425</u> <u>8.8</u>
Iron <u>PRESENT</u>		Carbonate <u>14</u> <u>0.5</u>
H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u> <u>0</u>

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

Total Solids Dissolved 572
pH 8.5
Sp. Gr. 1.0020 at 60° F
Resistivity 640 ohm-cm at 71° F

Allen James
Chemist



DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher Tom Davis

Company Supervisor _____