

1009

#22 30-039-07127^E

#204 30-039-20846

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. 8 Twp 27 Rng 6
Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #22, #204
cps 1288w

Elevation 6481' Completion Date 8/28/78 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 110' WATER AT 270'

Depths gas encountered: N/A

Type & amount of coke breeze used: 64 SACKS

Depths anodes placed: 370', 360', 350', 340', 330', 320', 310', 300', 280', 155'

Depths vent pipes placed: 380'

Vent pipe perforations: 260'

Remarks: gb #1 HOLE BRIDGED ABOVE #10 ANODE. INSTALLED #11

RECEIVED
MAY 31 1991
OIL CON. DIV. 1
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) ☐ #204

Completion Date 8-28-78

Well Name S.J. 28-6 #22		Location NE8-27-6		CPS No. 1288W	
Type & Size Bit Used 6 3/4"				Work Order No. 52626-19	
Anode Hole Depth Logged 500-460	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 370	#2 360	#3 350	#4 340	#5 330	#6 320
#7 310	#8 300	#9 290	#10 280		
Anode Output (Amps)					
#1 3.1	#2 2.8	#3 2.3	#4 2.8	#5 3.6	#6 3.7
#7 3.7	#8 3.4	#9 2.6	#10		
Anode Depth					
#11 155	#12	#13	#14	#15	#16
#17	#18	#19	#20		
Anode Output (Amps)					
#11 2.4	#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 11.8	Amps 14.1	Ohms 0.84			

Remarks: Static 600' SE - 0.81. Driller said damp @ 110' started making water @ 270'. Perforated 260' of 1" PVC vent pipe. Installed 380' of 1" PVC vent pipe. Slurried 64 sacks of coke breeze 0-1/4" Hole bridged above #10 anode. Installed #11 anode

40V 16 A Rectifier
Stub Pole

1 1/2" x 60" Duriron

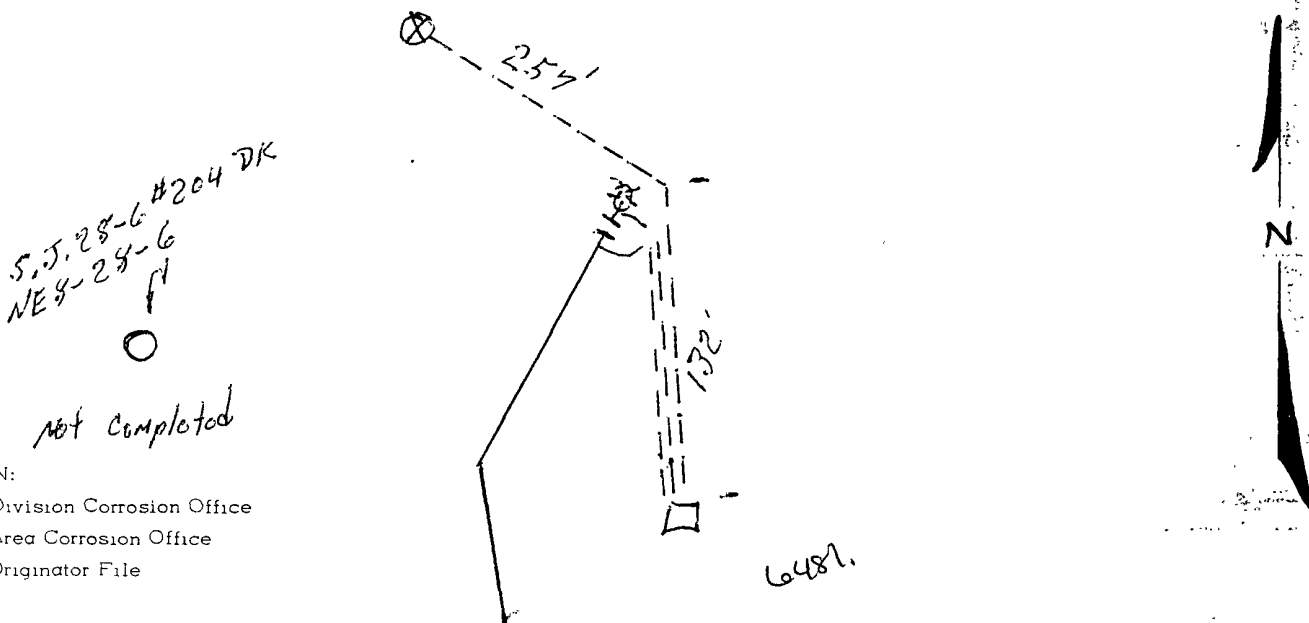
Hole Depth = -40'
Ditch & 1 cable = 389'
Extra cable = 264'

All Construction Completed

W. Z. Louth

(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

Date:

By:

File:

S.J. 28-6 # 22

NE8-27-6

1288W

52626-19

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

Static 600' SE = 0.81

PRILLER SAND Damp @ 110' MAKING WATER @ 270'
10 GALS PER MIN

PERFORATED 260' of 1" PVC vent Pipe

Installed 380' of 1" PVC vent Pipe

Slurried 64 SACKS of COKE

Bridged Between #9 & #10 Installed

#11 Anodes

250	30	.9	
		1.0	
60	40	1.6	
		1.6	
70	50	.8	
		1.2	
80	60	.8	TD
		1.1	
90	70	1.6	
		1.7	
300	80	1.7	
		1.8	
10	90	1.7	
		1.8	
20	500	1.8	Drilled
		1.8	
30		1.5	
		1.7	
40		1.4	
		1.2	
50		1.3	
		1.1	
60		1.1	
		1.2	
70		1.4	
		.8	
80		.5	
		.8	
90		.9	
		.6	
200		.7	
		.7	
10		.7	
		.7	
20		.9	
		.9	

Star Pole
HOVIG Rectifier
Hole Depth = 40'
Ditch 51 cable = 389'
EXTRA CABLE = 264'

①	370	1.6	3.1
②	360	1.5	2.8
③	350	1.3	2.3
④	340	1.5	2.8
⑤	330	2.2	3.6
⑥	320	2.1	3.7
⑦	310	2.1	3.7
⑧	300	2.1	3.4
⑨	290	1.5	2.6
⑩	280	1.4	2.4
⑪	155	1.5	2.4

VOLTS = 11.8

AMPS = 14.1

OHMS = 0.84

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

Analysis No. 1-9325 Date 9-15-78

Operator EPNG Well Name San Juan 28-6 #22

Location 8-27-6 County State NM

Field Formation ANODE BED

Sampled From 12885' WTR @ 270'

Date Sampled By

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

	ppm	epm		ppm	epm
Sodium	<u>437</u>	<u>19</u>	Chloride	<u>16</u>	<u>0.4</u>

Calcium	<u>42</u>	<u>2</u>	Bicarbonate	<u>278</u>	<u>5</u>
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Magnesium	<u>5</u>	<u>0.4</u>	Sulfate	<u>750</u>	<u>16</u>
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Iron	<u>PRESENT</u>		Carbonate	<u>0</u>	<u>0</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

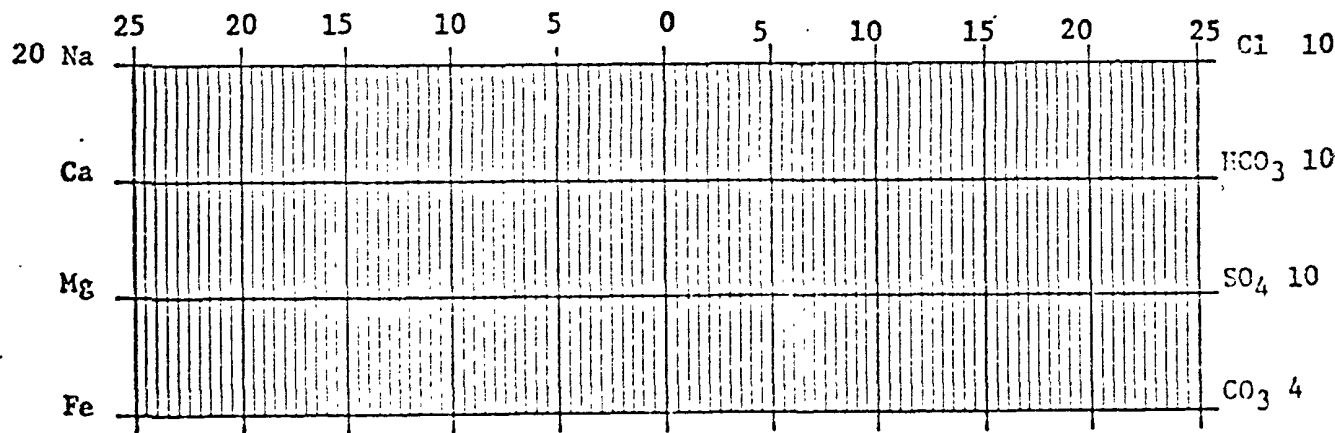
Total Solids Dissolved 1216

pH 8.2

Sp. Gr. 1.0026 at 60°F

Resistivity 680 ohm-cm at 72°F

R. Z. Ellsbury
Chemist



Scale: epm

