

1011

92-30-039-67190

180-30-039-20615

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

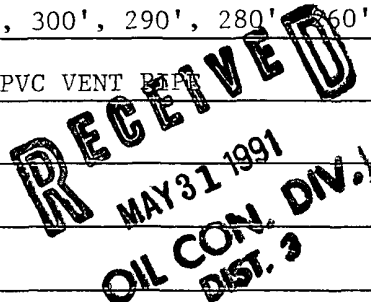
Type & amount of coke breeze used: 32 SACKS

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



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					
# 1 345	# 2 335	# 3 325	# 4 315	# 5 300	# 6 290
# 7 280	# 8 260	# 9 250	# 10 240		
Anode Output (Amps)					
# 1 2.9	# 2 2.9	# 3 3.2	# 4 2.8	# 5 2.5	# 6 3.4
# 7 3.1	# 8 2.6	# 9 3.5	# 10 2.6		
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		
Volts 11.7			No. 2 C.P. Cable Used		
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

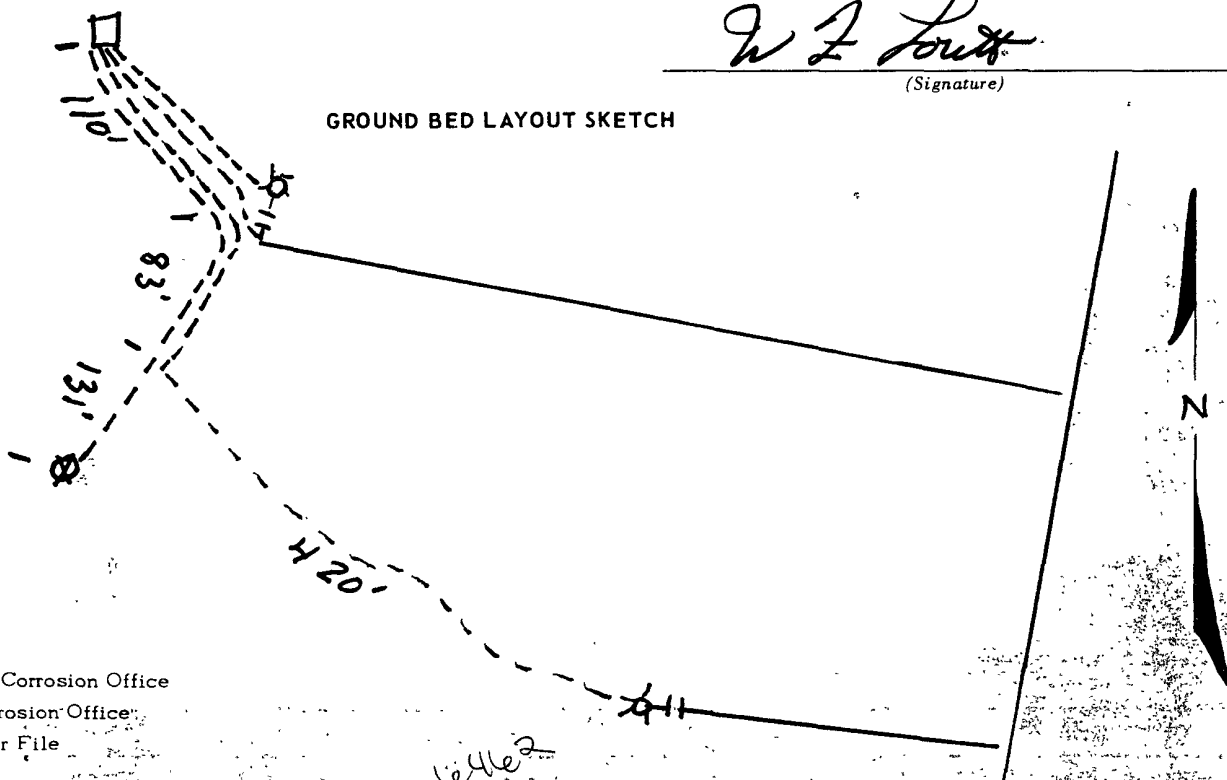
Ditch & 1 Cable = 744'

EXTRA CABLE = 413'

All Construction Completed

W Z Lutz
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6662

S. J. 28-6 # 92

S.J. 28-6 #180

NE 2-27-6

1277W

$$53772 \div 19$$

55478-20

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	17.46
114.23	C ₈	19.39
28.05	C ₂ ²	9.84
42.08	C ₃ ²	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

Static 600' S $\#92 = 0.81$
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

100	80	1.8 ②				
		1.8				
10	90	1.8 ⑥				
		2.0				
20	300	1.6 ⑤				
		1.4				
30	10	1.4				
.5		2.0 ④				
40	20	2.1				
.6		1.9 ③				
50	30	2.2				
1.1		1.5 ②				
60	40	2.3				
1.9		2.2 ①				
70	50	1.2				
2.3		1.3				
80	60	1.7				
2.1		1.8				
90	70	1.1				
.7		.9				
200	80	.7 T.D.	①	345	2.2	2.9
.7			②	335	2.0	2.9
10	90		③	325	2.2	3.2
.6			④	315	2.0	2.8
20	400		⑤	300	1.7	2.5
.6			⑥	290	2.4	3.4
30			⑦	280	2.0	3.1
1.4			⑧	260	1.8	2.6
40			⑨	250	2.3	3.5
1.3 ⑩			⑩	240	1.6	2.6
1.4						
-50						
1.7 ⑪						
1.9						
-60						
1.6 ⑫						
1.4						
70						
1.0						
1.4						

60V 30A Rect.
20' Meter Pole
Hole Depth = -120
Ditch & Cable = 744'
EXTRA CABLE = 413'

VOLTS 11.7
AMPS 13.8
OHMS 0.85

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

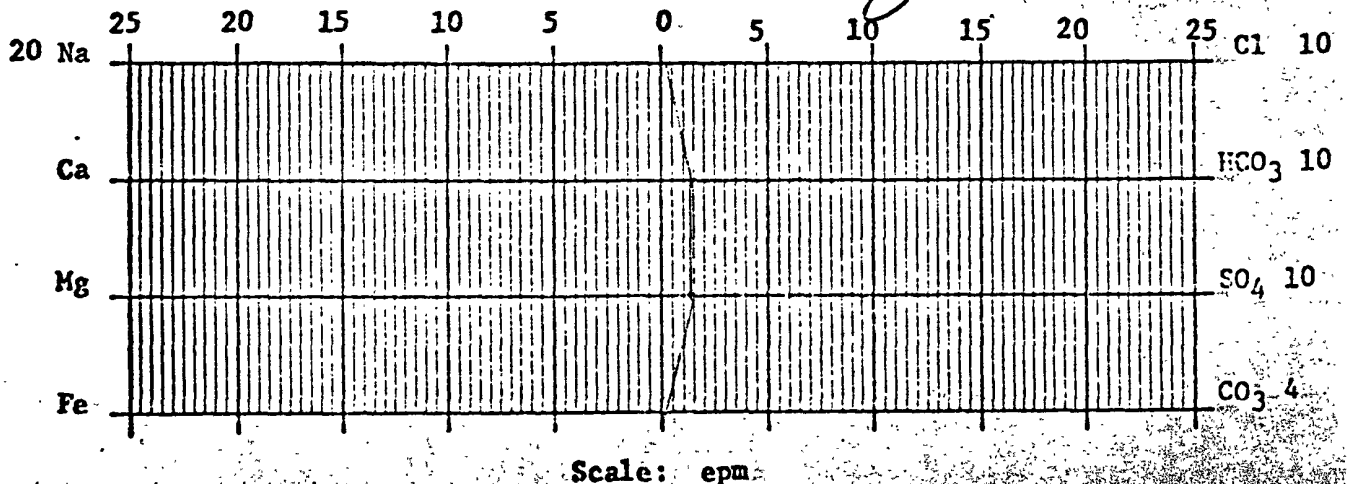
Analysis No. 1-9341 Date SEPTEMBER 18, 1978
Operator EPNG Well Name SAN JUAN 28-6 #92 & 180
Location 2-27-6 County RIO ARRIBA State NM
Field _____ Formation _____
Sampled From CPS 1277W
Date Sampled _____ By _____

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 L. ...
Chemist



LEASE	1277 W	WELL NO.	1277 W	CONTRACTOR	O'Brien Drilling	RIG NO.	1	REPORT NO.	11	DATE	Aug 7 1978
MORNING						DAYLIGHT				EVENING	

[illegible]

Tom O'Shea

Company Supervisor