

95= 30-039-07497
110= 30-039-21331

5052

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. 31 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #95, #110

cps 1310w

Elevation 6605' Completion Date 9/30/78 Total Depth 520' 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. 122' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 59 SACKS

Depths anodes placed: 490', 480', 470', 460', 395', 385', 375', 365', 355', 340'

Depths vent pipes placed: 500'

Vent pipe perforations: 300'

Remarks: qb # 3

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐ ☒ *an*

Completion Date 9-30-78

Well Name S.S. 29.7 #110		Location NE 31-29-7		CPS No. 1310W	
Type & Size Bit Used 6 3/4		Contract # CONTRACT #2		Work Order No. 20889.21	
Anode Hole Depth 520-520	Total Drilling Rig Time	Total Lbs. Coke Used 59 Bags	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 490	#2 480	#3 470	#4 460	#5 395	#6 385
#7 375	#8 365	#9 355	#10 340		
Anode Output (Amps)					
#1 3.4	#2 3.8	#3 3.9	#4 2.7	#5 2.8	#6 2.5
#7 3.3	#8 3.4	#9 3.1	#10 3.3		
Anode Depth					
#11	#12	#13	#14	#15	#16
Anode Output (Amps)					
#11	#12	#13	#14	#15	#16
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.9	Amps 15.0	Ohms .79			

Remarks: ST c/s 600' SE = .98 (.85 with nearby rect off) union OK

WATER AT 122' APPROX 2 6 PM 2 WATER ZONES

INSTALLED 500' OF VENT PIPE PERFORATED 300'

SLURRIED 59 BAGS OF COKE

(GRAPHITE ANODES (2X2X48 10EA))

Hole depth = +20

STUB POLE

CABLE + DITCH = 345

400/16A RECT.

EXTRA CABLE = 180

All Construction Completed

Robert J. Belnick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 9-30-78
By: RAB
File: F310W1310W. NE 31-29-7
S.S. 29-7#110 20889.21ST % 600' SE = .98 (85W) NEAR CPS.
UNION OKWATER AT 122' WATER APPROX 2 GPM
DRILLED 520' Logged 520'
2 WATER ZONES

500' OF VENT PIPE 300' PERF.

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	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

130	330	1.2
		2.2
140	340	2.3
		1.9
150	350	1.6
		1.9
160	360	2.0
		2.0
170	370	2.3
		2.1
180	380	1.4
		1.5
190	390	1.8
		1.7
200	400	1.2
		1.0
210	410	1.2
		.9
220	420	.6
		.6
230	430	.6
		.7
240	440	.4
		.5
250	450	.5
		.6
260	460	1.6
		1.7
270	470	1.7
		2.6
280	480	2.3
		1.9
290	490	2.2
		1.9
300	500	1.6
		1.7
310	510	1.4
		1.3
320	520	1.0
		.9

Hole depth = 420
Cable + ditch = 345'
EXTRA CABLE = 180'
40V 16A Rect.
Stub Pole

- ① 490 - 2.0 - 3.4
- ② 480 - 2.1 - 3.8
- ③ 470 - 2.3 - 3.9
- ④ 460 - 1.8 - 2.7
- ⑤ 395 - 1.6 - 2.8
- ⑥ 385 - 1.5 - 2.5
- ⑦ 375 - 2.0 - 3.3
- ⑧ 365 - 1.9 - 3.4
- ⑨ 355 - 2.0 - 3.1
- ⑩ 340 - 2.2 - 3.3

TOTAL 11.9 V 15.0A = .79 ohms

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

Analysis No. 1-9366 Date 11-8-78

Operator EPNG Well Name SAN JUAN 24-7 #110

Location NE 31-29-7 County RIO ARriba State NM

Field _____ Formation _____

Sampled From C. P. S. 1310W WTR @ 22' 2 GPM 2 WTR ZONES

Date Sampled _____ By TD 520'

Tbg. Press. _____	Csg. Press. _____	Surface Csg. Press _____
ppm	epm	ppm epm

Sodium 57 3

Chloride 12 .3

Calcium 58 3

Bicarbonate 200 3

Magnesium 11 .9

Sulfate 125 3

Iron PRESENT

Carbonate 2 .1

H₂S ABSENT

Hydroxide 0 0

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

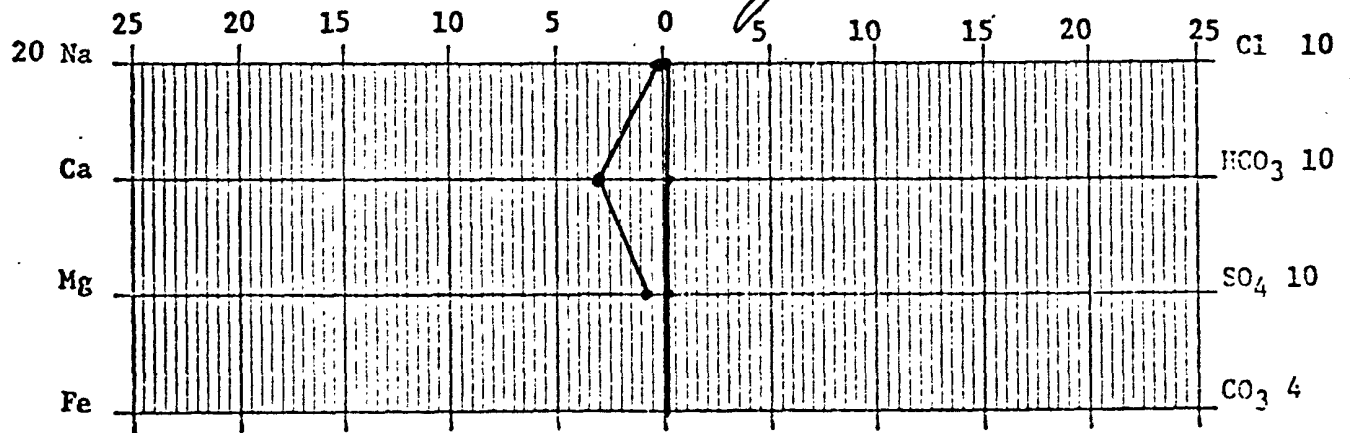
Total Solids Dissolved 376

pH 7.7

Sp. Gr. 1.0011 at 60°F

Resistivity 1000 ohm-cm at 73 °F

Joe Baur
Chemist



Scale: epm

1310 W
LEASE

30 1978

EVENING

REMARKS -

Drilled To 520 w/ 6 ft
Logged To 520
Estimate water @ 2 gpm.

Company Supervisor