

986 #78A 30-039-21633
#513 30-039-24298

5

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 30 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #78A, #513

cps 1409w

Elevation 6349 Completion Date 8/10/79 Total Depth 495' 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. WATER SAND 710' - 180' & 205' - 225'

SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 51 SACKS

Depths anodes placed: 455', 415', 395', 385', 375', 365', 355', 345', 310', 240'

Depths vent pipes placed: 500'

Vent pipe perforations: 400'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
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

8 Hrs reg
3 1/2 hr OT

CONTRACT #2

Drilling Log (Attach Hereto) ☐ #513

2" X 60" DUBIRON

Completion Date 8-10-71

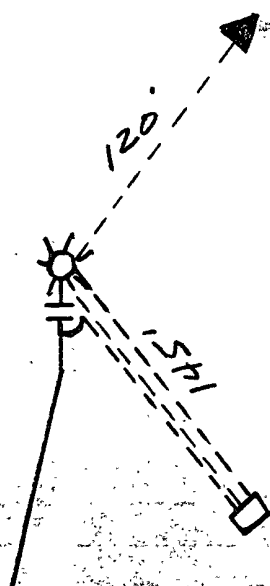
Well Name SJ 29-7 #78A		Location NW 30-29-7		CPS No. 1409W	
Type & Size Bit Used 6 3/4		STATIC = .85		Work Order No. 57353-21	
Anode Hole Depth 495'	Total Drilling Rig Time	Total Lbs. Coke Used 51 BAGS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	#1 455	#2 415	#3 395	#4 385	#5 375
	#6 365	#7 355	#8 345	#9 310	#10 240
Anode Output (Amps)	#1 2.0	#2 1.8	#3 2.0	#4 2.6	#5 2.9
	#6 2.1	#7 2.4	#8 2.3	#9 1.9	#10 2.4
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	Volts 11.9		Amps 10.5		Ohms 1.1
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: Water sand 170 to 180 & 205 to 225 drilled to 300' set overnight 100' water in hole with A (Sample) Guentimate 2 gal per minute. 500' 1" PVC vent pipe 400' perforated.

All Construction Completed

BT
(Signature)

GROUND BED LAYOUT SKETCH



DITCH + 1 CABLE = 265'
EXTRA CABLE = 310'
HOLE = -5'

DISTRIBUTION:

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

6389

El Paso Natural Gas Company
ENGINEERING CALCULATION
 8 lbs reg
 3 lbs BT
 Sheet: 8-10-
 Date: 8-10-
 By: BT
 File:

 STATIC: .85 1409 W
 SJ 29-7 #78A NW30-29-7 57353:

Water sand 170 to 180 + 205 to 225; drilled to 300' set over night. 100' water in hole next AM (Sample) Estimated 2 gal per minute

500' 1" PVC vent pipe 400' perforated

TD 495' Drilled 500' log 4:

11.9 V 10.5 A = 1.1 W

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

200 1.3

5 .6

10 .9

15 1.2

20 1.4

25 1.5

30 1.9

35 1.9

40 1.7

45 1.2

50 1.6

55 1.5

60 1.4

65 1.4

70 1.6

75 1.8

80 1.0

85 1.9

90 1.7

95 1.6

300 1.5

5 .5

10 1.1

15 1.2

20 1.9

25 1.6

30 1.6

35 1.7

40 1.7

45 1.8

50 1.8

55 1.6

60 1.5

65 1.2

70 1.1

75 1.1

80 1.5

85 1.6

90 1.3

95 1.8

400 1.1

5 .8

10 1.7

15 1.8

20 1.1

25 1.7

30 1.7

35 1.7

40 1.6

45 1.6

50 1.7

55 1.8

60 1.0

65 1.8

70 1.7

75 1.6

80 1.6

85 1.6

90 1.6

55 1.6

500

1 = 455

2 = 415

3 = 395

4 = 385

5 = 375

6 = 365

7 = 355

8 = 345

9 = 310

10 = 240

1.1

1.1

1.2

1.4

1.6

1.1

1.5

1.3

1.2

1.3

2.0

1.8

2.0

2.6

2.9

2.1

2.4

2.3

1.9

2.4

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

Analysis No. 1-9742 Date 10-24-79

Operator EPNG Well Name San Juan 29-7 # 78 A

Location NW 30-29-7 County Rio Arriba State N.M.

Field _____ Formation _____

Sampled From T409-W

Date Sampled _____ By _____

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

Sodium 132 6 Chloride 64 2

Calcium 572 29 Bicarbonate 137 2

Magnesium 49 4 Sulfate 1650 34

Iron Present 0 Carbonate 0 0

H₂S Absent 0 Hydroxide 0 0

cc: D.C.Adams Total Solids Dissolved 2964

R.A.Ullrich

E.R.Paulek

J.W.McCarthy

A.M.Smith

W.B.Shropshire

File

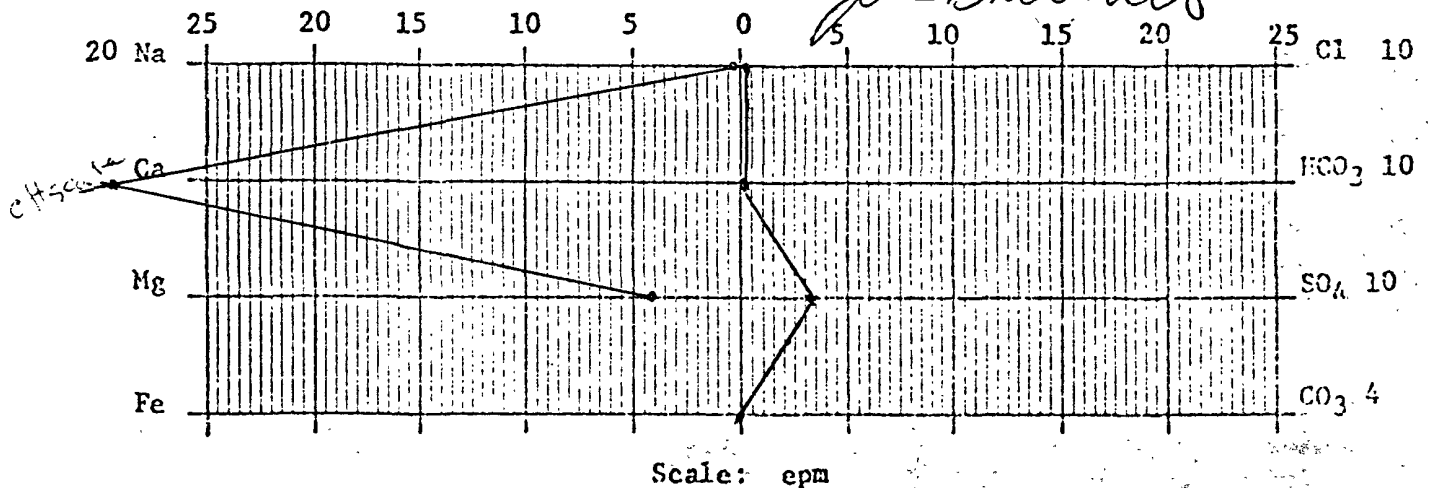
C. B. O'Nan

pH 7.7

Sp. Gr. 1.0037 at 60°F

Resistivity 286 ohm-cm at 77 °F

George K. Anderson
Joe Barnett
Chemist *JMS*



1071980

DAILY DRILLING REPORT

[illegible]