

7A = 30-045-22730

12 = 30-045-20898

5022

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 29 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC A #7A, #12

cps 1321w

Elevation 6078' Completion Date 4/11/79 Total Depth 320' 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. 23' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 55 SACKS

Depths anodes placed: 285', 270', 255', 240', 225', 200', 185', 170', 155', 140'

Depths vent pipes placed: 290'

Vent pipe perforations: 280'

Remarks: gb #1

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) ☐

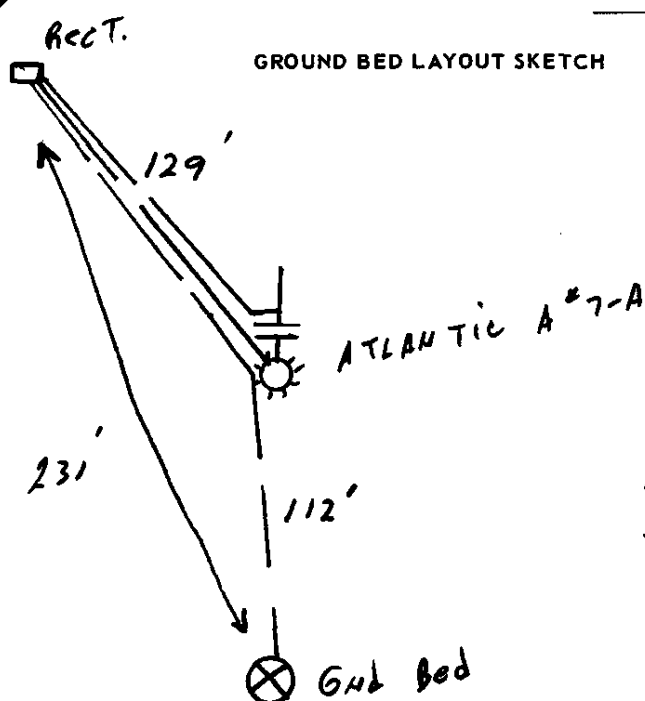
Completion Date 4/11/79

Well Name <u>ATLANTIC A #7-A</u> <u>ATLANTIC A #12</u>		Location <u>(1 1/2" x 60" DURATION)</u> <u>SE 29-31-10</u>		CPS No. <u>1321-W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57258-21</u> <u>55154-19</u>	
Anode Hole Depth <u>320' T.D. 320'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>55 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 <u>285'</u>	# 2 <u>270'</u>	# 3 <u>255'</u>	# 4 <u>240'</u>	# 5 <u>225'</u>
Anode Output (Amps)	# 1 <u>5.8</u>	# 2 <u>5.4</u>	# 3 <u>4.3</u>	# 4 <u>4.6</u>	# 5 <u>5.7</u>
Anode Depth	# 6 <u>200'</u>	# 7 <u>185'</u>	# 8 <u>170'</u>	# 9 <u>155'</u>	# 10 <u>140'</u>
Anode Output (Amps)	# 6 <u>5.0</u>	# 7 <u>5.9</u>	# 8 <u>6.1</u>	# 9 <u>5.8</u>	# 10 <u>5.4</u>
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 <u>11.5V</u>	Amps <u>23.0A</u>	Ohms <u>.5</u>			

Remarks: ATLANTIC A #7A STATIC 600' - S. = .79V. ATLANTIC A #12
HAS BOND BOX. DRILLER SAID WATER AT 23'. APPROX. 3 GAL/MIN.
TOOK WATER SAMPLE. DRILLED 320'. INSTALLED 290' OF 1" P.V.C.
VENT PIPE. PERFORATED 280'.

Ditch & 1 cable = 241'
EXTRA CABLE = 283'
Hole Depth = 180'
Stub pole + 40V 16A
RECT.

GROUND BED LAYOUT SKETCH



ATLANTIC A #12 is
south of Gnd. Bed.

6078'

All Construction Completed

[Signature]
(Signature)

MORNING

Company Supervisor

ATLANTIC A[#] 7-A
ATLANTIC A[#] 12

W.O. 57258-21

55154-19

CPS[#] 1321-W

SE 29-31-10

Wt%	gas/mol
10	C ₁ 8.4
10	C ₂ 9.4
14	C ₃ 10.4
14	IC ₄ 14.3
14	NC ₄ 11.9
14	IC ₅ 11.8
14	NC ₅ 11.7
14	IC ₆ 11.7
14	NC ₆ 11.7
14	IC ₇ 11.7
14	NC ₇ 11.7
14	IC ₈ 11.7
14	NC ₈ 11.7
14	IC ₉ 11.7
14	NC ₉ 11.7
14	IC ₁₀ 11.7
14	NC ₁₀ 11.7
14	IC ₁₁ 11.7
14	NC ₁₁ 11.7
14	IC ₁₂ 11.7
14	NC ₁₂ 11.7
14	IC ₁₃ 11.7
14	NC ₁₃ 11.7
14	IC ₁₄ 11.7
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14	NC ₁₀₀ 11.7

Wt%	gas/mol
14	CO ₂ 0.24
14	H ₂ S 0.17
14	N ₂ 0.10
14	O ₂ 0.10
14	H ₂ 0.10
14	Ar 0.10
14	Ne 0.10
14	He 0.10
14	CH ₄ 0.10
14	C ₂ H ₆ 0.10
14	C ₃ H ₈ 0.10
14	iC ₄ H ₁₀ 0.10
14	nC ₄ H ₁₀ 0.10
14	iC ₅ H ₁₂ 0.10
14	nC ₅ H ₁₂ 0.10
14	iC ₆ H ₁₄ 0.10
14	nC ₆ H ₁₄ 0.10
14	iC ₇ H ₁₆ 0.10
14	nC ₇ H ₁₆ 0.10
14	iC ₈ H ₁₈ 0.10
14	nC ₈ H ₁₈ 0.10
14	iC ₉ H ₂₀ 0.10
14	nC ₉ H ₂₀ 0.10
14	iC ₁₀ H ₂₂ 0.10
14	nC ₁₀ H ₂₂ 0.10
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14	nC ₁₁ H ₂₄ 0.10
14	iC ₁₂ H ₂₆ 0.10
14	nC ₁₂ H ₂₆ 0.10
14	iC ₁₃ H ₂₈ 0.10
14	nC ₁₃ H ₂₈ 0.10
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30 - 2.1
1.6
40 - 1.4
1.3
50 - .6 90 - 3.5
.6 3.5
60 - .6 200 - 3.4 - ⑥
.8 3.1
70 - 1.3 10 - 2.6
1.3 3.0
80 - 1.7 20 - 3.1
1.7 3.2 - ⑤
90 - 1.6 30 - 3.2
1.7 3.2 - ⑥
100 - 2.0 40 - 3.2 - ④
2.4 3.2 - ⑥
10 - 2.8 50 - 3.1
2.9 3.1 - ③
20 - 2.9 60 - 3.1
2.9 3.1 - ⑥
30 - 2.9 70 - 3.2 - ②
2.9 3.2 - ⑥
40 - 3.1 - ① 80 - 3.6
3.2 3.6 - ①
50 - 3.5 90 - 3.6
3.5 - ⑦ 3.6
60 - 3.5 300 - 3.1
3.5 3.1
70 - 3.5 - ⑧ 10 - 3.0
3.5
80 - 3.5 20 - Drilled To + T.D.
3.5 - ⑦

Driller said water at
23' approx. 3 gal/min.
Took water sample.
Drilled to 320'. Installed
290' of 1" P.V.C. vent
pipe. Perforated 280'.

11.5V @ 23A = .5 W

1 = 285' - 4.4 - 5.8
2 = 270' - 4.3 - 5.4
3 = 255' - 3.5 - 4.3
4 = 240' - 3.9 - 4.6
5 = 225' - 4.2 - 5.7
6 = 200' - 3.9 - 5.0
7 = 185' - 4.3 - 5.9
8 = 170' - 4.4 - 6.1
9 = 155' - 4.4 - 5.8
10 = 140' - 4.0 - 5.4

4/11/79

Nir

W.O. 57258-21 - 8 hr. Reg. 1 hr. O.T.
55154-19 - 8 hr. Reg. 1 hr. O.T.

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

Analysis No. 1-9523 Date 5-17-79

Operator EPNG Well Name ATLANTIC A 7A

Location SE29-31-10 County SAN JUAN State NM

Field Formation

Sampled From CPS #1321W

Date Sampled By

Tbg. Press. <u> </u>	Csg. Press. <u> </u>	Surface Csg. Press <u> </u>
ppm	epm	ppm epm

Sodium <u>0</u>	Chloride <u>16</u>	
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Calcium <u>467</u>	Bicarbonate <u>83</u>	
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Magnesium <u>49</u>	Sulfate <u>1225</u>	
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Iron <u>PRESENT</u>	Carbonate <u>0</u>	
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H ₂ S <u>ABSENT</u>	Hydroxide <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 2310

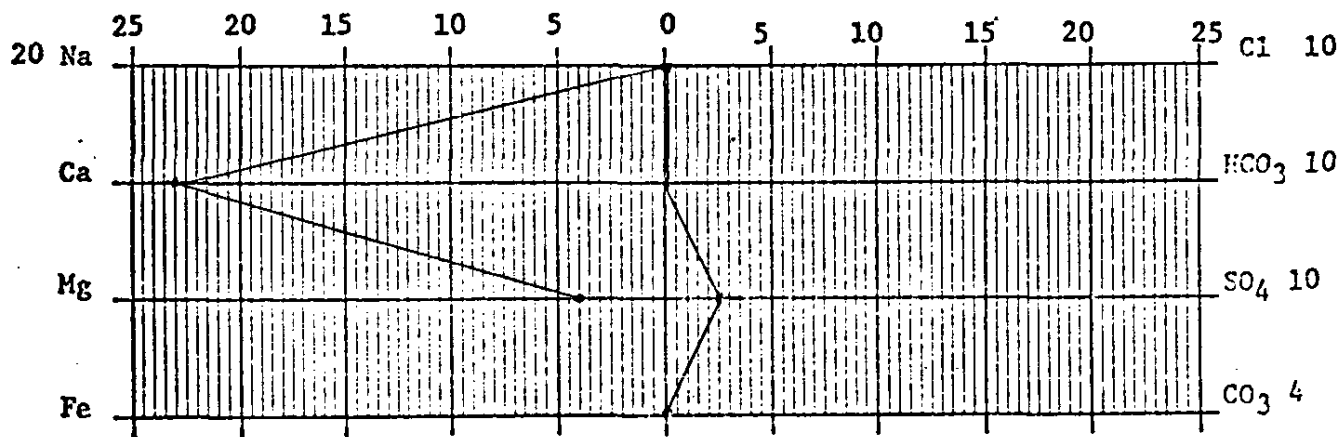
pH 7.3

Sp. Gr. 1.0039 at 60°F

Resistivity 385 ohm-cm at 77 °F

Water at 23' 3 gal/min

Barnett + Tawilliger RZE
Chemist



Scale: epm