

5021

30-045-22732

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. 35 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced ATLANTIC C #1Acps 1322wElevation 6339' Completion Date 4/16/79 Total Depth 520' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. 230' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 485', 475', 465', 455', 440', 425', 415', 405', 395', 385'Depths vent pipes placed: 500'Vent pipe perforations: 300'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) ☐

(1 1/2 x 60" DUTION)

Completion Date 4/16/79

Well Name ATLANTIC C¹IA		Location NW 35-31-10		CPS No. 1322 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57252-21	
Anode Hole Depth 520' F.D. 516'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	485'	475'	465'	455'	440'
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	4.9	6.4	5.1	3.6	3.5
Anode Depth	# 6	# 7	# 8	# 9	# 10
	425'	415'	405'	395'	385'
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	3.5	4.9	5.4	5.5	3.6
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 11.5V	Amps 23.0 A	Ohms .5			

Remarks: STATIC 600' S. 86V DRILLED TO 120', HAD TO START INV.
DRILLER SAID WATER AT 230'. APPROX. 5 GAL/MIN. TOOK WATER
SAMPLE. DRILLED TO 520'. LOGGED 516'. INSTALLED 500' OF 1" P.V.C.
VENT PIPE PERFORATED 300'.

Ditch + 1 cable = 329'

EXTRA cable = 385'

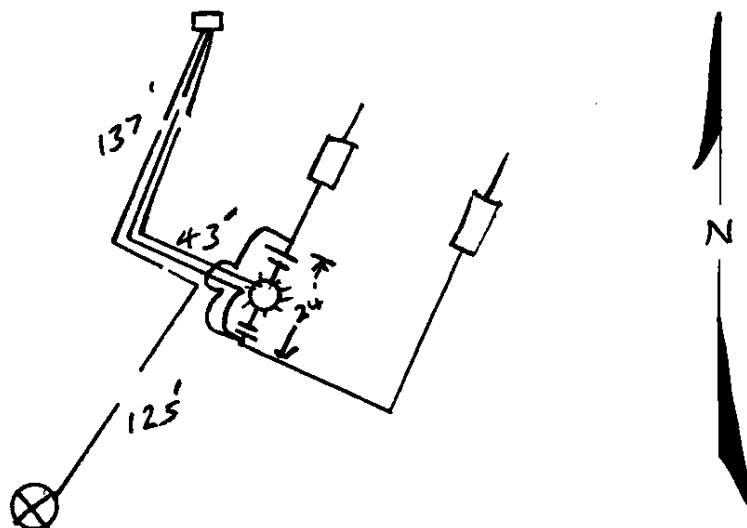
Hole Depth + 16'

Stub pole & 40V 16A ACCT.

All Construction Completed

(Signature)
(Signature)

GROUND BED LAYOUT SKETCH



ATLANTIC #1A

SIGNED: Toolpusher _____ Company Supervisor _____

SIGNED: Toolpusher

ATLANTIC C¹A

CPS # 1322-W

NW 35-31-10

W.O. 57252-21

* 1 Log
#2 - Log

Drilled 120' HAD TO

230 - 2.7 2.6

400 - 3.6 3.8

START IMJ. Driller said

3.2 3.1

3.9 4.0

WATER AT 230'. APPROX.

40 - 2.7 2.5

10 - 3.6 3.5

5 gal./min. Took water

1.9 1.9

3.1 3.0

Sample. Drilled to 520'

50 - 1.7 1.7

20 - 2.6 2.6

1 Log was with Drilling

1.5 1.5

2.4 2.7

Mud in hole.

60 - 1.7 1.7

30 - 2.3 2.5

2 Log was After Hole was

2.9 2.9

2.2 2.4

Flushed. Logged 516 FT.

70 - 2.8 2.8

40 - 2.3 2.5

Installed 500' of 1" PVC

2.7 2.7

2.4 2.4

vent pipe. Perforated

80 - 2.7 2.6

50 - 2.1 2.4

300'.

2.3 2.2

2.7 3.2

①

90 - 1.9 1.9

60 - 3.0 3.7

②

1.9 1.9

3.2 3.9

③

300 - 2.1 2.1

70 - 3.4 4.3

④

2.1 2.1

3.4 4.0

⑤

10 - 2.0 2.0

80 - 2.8 3.4

⑥

2.3 2.5

2.7 3.3

⑦

20 - 2.9 2.7

90 - 2.6 3.4

⑧

1.6 1.6

2.8 3.6

1 - 485 - 3.8 - 4.9

2 - 475 - 5.2 - 6.4

30 - 1.5 1.5

500 - 3.8 3.5

⑨

3 - 465 - 4.2 - 5.1

1.6 1.6

3.8 3.6

⑩

4 - 455 - 3.0 - 3.6

40 - 1.5 1.4

10 - 3.6 3.6

⑪

5 - 440 - 2.8 - 3.5

1.2 1.0

T.D. - 516

⑫

6 - 425 - 3.0 - 3.5

50 - 1.1 1.3

20 = Drilled to

⑬

7 - 415 - 4.5 - 4.9

1.7 1.8

⑭

8 - 405 - 4.5 - 5.4

60 - 1.7 1.6

⑮

9 - 395 - 4.7 - 5.5

1.5 1.4

⑯

10 - 385 - 2.7 - 3.6

70 - 1.0 1.0

⑰

.8 1.0

⑱

80 - 2.2 2.5

⑲

3.2 3.2

①

⑳

90 - 3.6 3.7

㉑

3.8 3.8

②

㉒

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 8.56
44	C ₃ 10.72
58	HC ₄ 12.98
72	HC ₅ 15.24
86	HC ₆ 17.50
100	HC ₇ 19.76
114	HC ₈ 22.02
128	HC ₉ 24.28
142	HC ₁₀ 26.54

MW	MISC.	gas/mol
44	CO ₂	6.16
44	H ₂ S	5.12
28	N ₂	4.18
2	H ₂	1.36

Ni

8 Reg. 2.0.T.

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

Analysis No. 1-9524 Date 5-17-79

Operator EPNG Well Name ATLANTIC C #1A

Location NW 35-31-10 County SAN JUAN State NM

Field _____ Formation _____

Sampled From CPS #1322W

Date Sampled _____ By _____

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

Sodium <u>69</u>	<u>3</u>	Chloride <u>20</u>	<u>1</u>
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Calcium <u>608</u>	<u>30</u>	Bicarbonate <u>215</u>	<u>4</u>
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Magnesium <u>66</u>	<u>5</u>	Sulfate <u>1575</u>	<u>33</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 2820

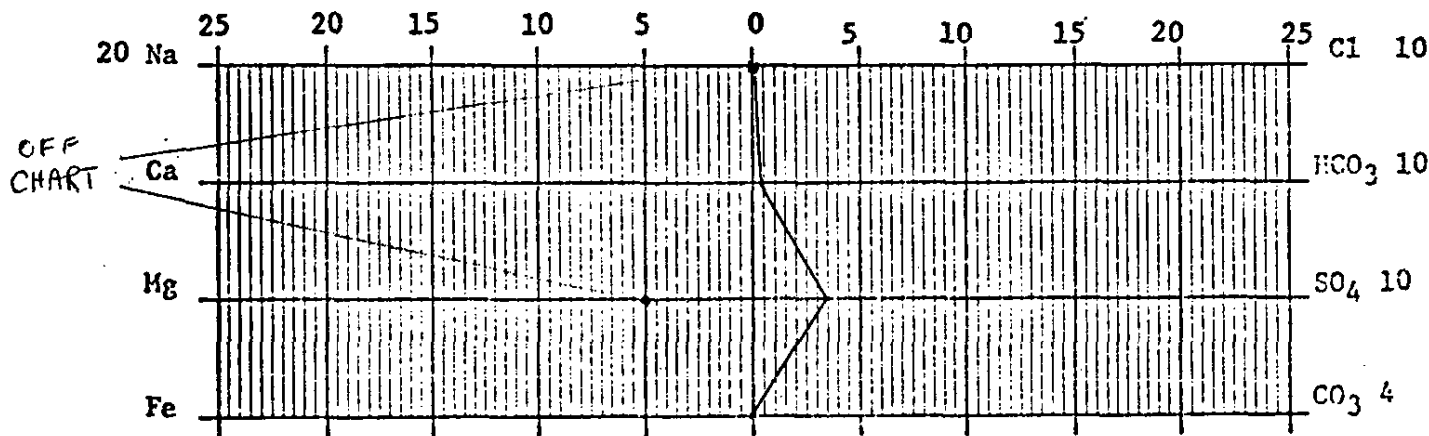
pH 7.8

Sp. Gr. 1.0047 at 60°F

Resistivity 335 ohm-cm at 77°F

Water at 230' 3 gal/min

Barnett + Terwilliger RZE
Chemist



Scale: epm