

2A = 30-045-22786
10 = 30-045-20889

5020

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. 35 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC C #2A, #10

cps 1323w

Elevation 6114' Completion Date 6/8/79 Total Depth 420' Land Type* N/A

Casing, Sizes, Types & Depths ? ' OF 8" CASING

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. 110' SAMPLE TAKEN

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV
DIST. 3

Type & amount of coke breeze used: 4500 lbs.

Depths anodes placed: 385', 375', 365', 355', 345', 335', 325', 270', 260', 250'

Depths vent pipes placed: 400'

Vent pipe perforations: 300'

Remarks: gb #1 1st HOLE DRILLED TO 300' , WRENCH DROPPED IN HOLE-ABANDONED.

2nd HOLE CAVED AT 420'. 3rd. HOLE CAVED AT 420' WHILE LOGGING.

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 6-8-79
4-9-79

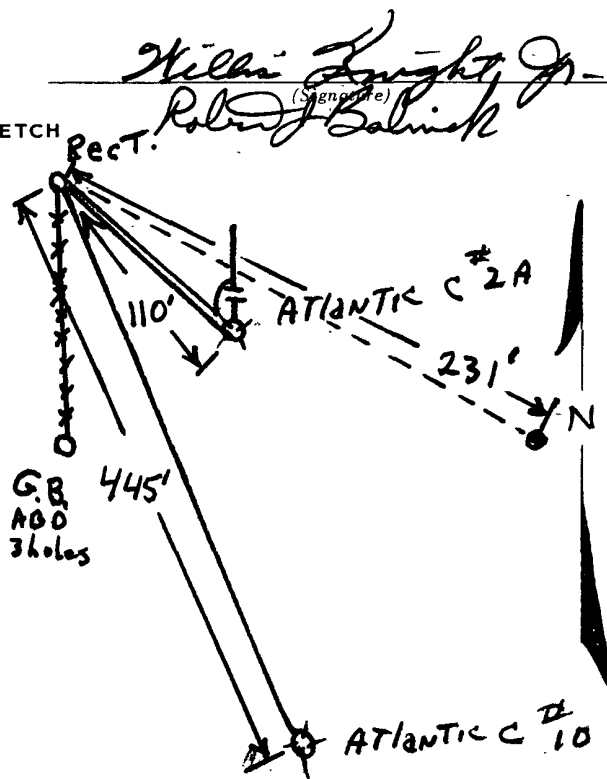
Well Name <u>ATLANTIC C #2A</u> <u>ATLANTIC C #10</u>		Location <u>SE35-31-10</u>		CPS No. <u>1323 W</u>	
Type & Size Bit Used <u>6 3/4</u> <u>1 1/2 x 60" D4 IRON</u>		Work Order No. <u>57256-21</u> <u>54948-19</u>			
Anode Hole Depth <u>420-418+0</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>4500</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>385</u>	# 2 <u>375</u>	# 3 <u>365</u>	# 4 <u>355</u>	# 5 <u>345</u>	# 6 <u>335</u>
# 7 <u>325</u>	# 8 <u>270</u>	# 9 <u>260</u>	# 10 <u>250</u>		
Anode Output (Amps)					
# 1 <u>4.4</u>	# 2 <u>4.0</u>	# 3 <u>4.1</u>	# 4 <u>4.2</u>	# 5 <u>3.9</u>	# 6 <u>3.9</u>
# 7 <u>3.9</u>	# 8 <u>2.8</u>	# 9 <u>3.9</u>	# 10 <u>4.0</u>		
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	No. 2 C.P. Cable Used
Volts <u>10.4</u>	Amps <u>17.6</u>	Ohms <u>.6</u>			

Remarks: DRILLER Said damp at 100', wet at 110'. Waited 15 min. made
APPROX 5 gal. water. MAKING APPROX. 1 gal. per minute.
1st hole drilled to 300', pipe wrench dropped in hole - Abandoned. Second hole
420' caved. Third hole drilled to 280' lost cone, fished out cone, drilled to 420'
hole caved while logging. Fourth hole Drilled 420' logged 418 INST
400' vent Pipe 300' Perforated slurred 45 sacks of coke

Ditch - 1 cable - 786
EXTRA cable - 135
1 Stub Pole -
1 40V 16A Rect
Hole depth = -2

All Construction Completed

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6114

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE *Atlantic C#2A* WELL NO. *1323W* CONTRACTOR *WOLVERINE DRLg* RIG NO. *W 2* REPORT NO. DATE *6-8* 19 *79*

MORNING

DAYLIGHT

EVENING

Driller <i>ROD FRYE</i> Total Men In Crew <i>3</i>					Driller _____ Total Men In Crew _____					Driller _____ Total Men In Crew _____				
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.
<i>0</i>	<i>120</i>	<i>SAND.</i>												
<i>120</i>	<i>350</i>	<i>LAYERS OF SAND & SHALE</i>												
<i>350</i>	<i>420</i>	<i>SHALE</i>												

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SERIAL NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS		
SIZE <i>1-5/8 1-6/4</i>		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH		

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.
			<i>4</i>	<i>sacks</i>	<i>CEL</i>												
			<i>1</i>	<i>"</i>	<i>HULS.</i>												

FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN	
		<i>1 hr</i>	<i>water time</i>								

REMARKS -				REMARKS -				REMARKS -			
<i>DRILLED</i>	<i>420'</i>										
<i>LOGGED</i>	<i>418'</i>										
<i>water</i>	<i>SAMPLE</i>										

SIGNED: Toolpusher _____

Company Supervisor _____

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 6-8-79
By: R. B. W.
File: 1323W

Atlantic C#2A

54256-21

Atlantic C#10

SE 35-31-10

1323W

54948-19

STATIC C#2A 600' SW. 77

DRILLER SAID DRY @ 100' W.C.T. @ 110'

STATIC C#10 600' W. 79

WAITED 15 MIN. MADE APPROX. 5 GAL WATER

STARTED INJECTING @ 110'

1 GAL PER MIN

10-1/2" ANODES

1 stub pole 40V 16A Rectifier

MW gals/mol

16.04 C1 6.4

30.07 C2 10.12

44.10 C3 10.42

58.12 IC4 12.38

58.12 nC4 11.93

72.15 IC5 13.85

72.15 nC5 13.71

86.18 IC6 15.50

86.18 C6 15.57

100.21 IC7 17.2

100.21 C7 17.46

114.23 C8 19.39

28.05 C2 9.64

42.08 C3 9.67

110

90

1.1

2.0

20

2.1

3.2

300

1.0

2.2

30

1.4

3.2

10

1.9

1.7

40

1.0

2.0

20

2.7

1.6

2.1

3.1

2.9

4.0

4.2-7

50

2.1

3.3

30

2.5

4.2

60

1.7

3.3

70

4.2

4.2-6

70

1.3

2.9

40

4.2

70

1.2

2.6

50

4.3-5

80

1.1

2.3

50

4.4

90

.9

1.9

60

4.4

90

.8

1.9

70

4.3-3

200

.8

1.7

80

4.3

4.3-1

10

1.0

2.1

90

4.6

20

1.1

2.8

400

2.3

30

1.0

2.6

10

4.3

40

1.1

2.2

20

4.3

50

1.9

4.0

10

4.3

60

1.8

4.2

9

70

1.4

3.4

8

80

1.5

3.3

3

1.1

2.6

① 285-3.5-4.4

② 375-3.2-4.0

③ 365-3.1-4.1

④ 355-3.4-4.2

⑤ 345-3.2-3.9

⑥ 335-3.2-3.9

⑦ 325-3.1-3.9

⑧ 270-2.0-2.8

⑨ 260-3.1-3.9

⑩ 250-3.0-4.0

10.4V 17.6A = .6 ohms

MW MISC.

32.00 O2 3.37

28.01 CO 4.19

44.01 CO2 6.38

64.06 SO2 5.50

34.08 H2S 5.17

28.01 N2 4.16

2.02 H2 3.38

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

Analysis No. 1-9511 Date 5-17-79

Operator EPNG Well Name ATLANTIC C #2A

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

Field Formation

Sampled From CPS 1323W

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>20</u>	
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Calcium <u>187</u>	Bicarbonate <u>156</u>	
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Magnesium <u>54</u>	Sulfate <u>450</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.McSmith~~
W.B.Shropshire
File

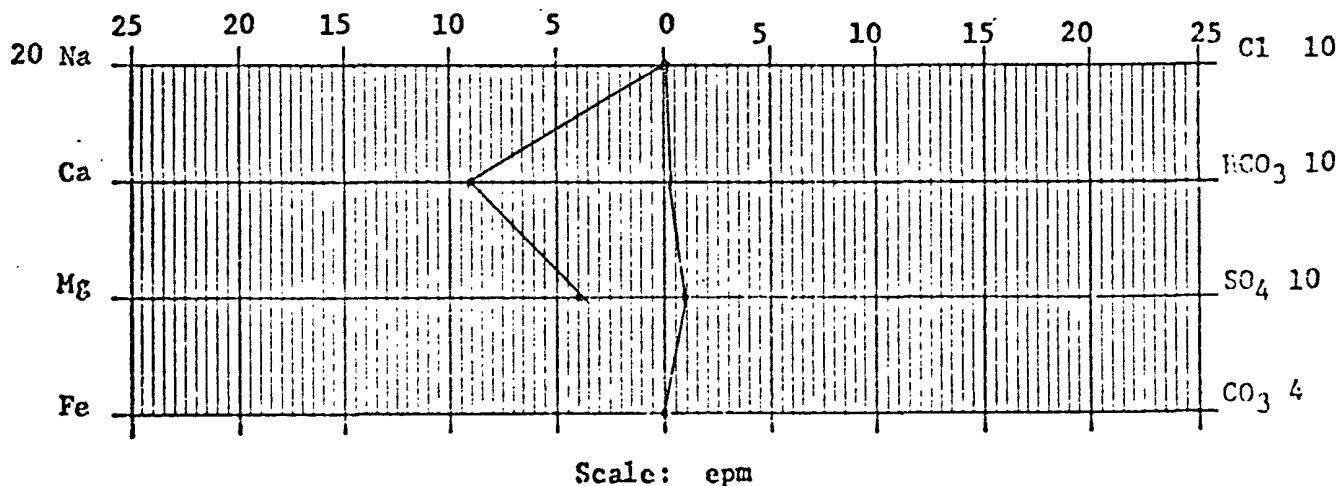
Total Solids Dissolved 896

pH 7.6

Sp. Gr. 1.0021 at 77 °F

Resistivity 335 ohm-cm at 77 °F

Barnett & Terrell
Chemist



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

Analysis No. 1-9588 Date 7-5-79

Operator EPNG Well Name ATLANTIC C#2A

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

Field Formation

Sampled From CPS 1323 W

Date Sampled By

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

Sodium <u>161</u>	Chloride <u>24</u>
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Calcium <u>171</u>	Bicarbonate <u>161</u>
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Magnesium <u>22</u>	Sulfate <u>663</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>
--------------------------------	--------------------

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

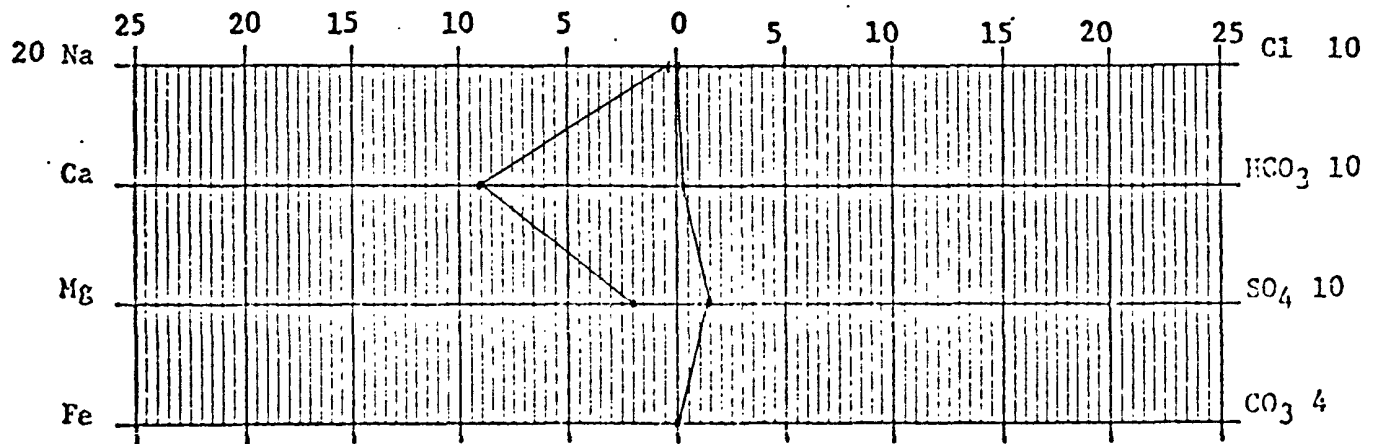
Total Solids Dissolved 1239

pH 8.0

Sp. Gr. 1.0018 at 60°F

Resistivity 660 ohm-cm at 70°F

Chemist Terwilliger RZE
Chemist



Scale: epm