

1210

30-045-09913

E

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. 6 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC C #5A

cps 1459w

Elevation 6176' Completion Date 9/8/80 Total Depth 360' 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. 130' SAMPLE TAKEN

Depths gas encountered: N/A

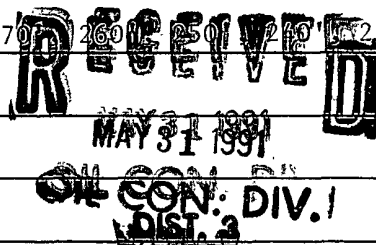
Type & amount of coke breeze used: 3000 lbs.

Depths anodes placed: 310', 300', 290', 280', 270', 260', 250', 240', 230', 220'

Depths vent pipes placed: 350'

Vent pipe perforations: 240'

Remarks: gb #1



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). ☐

2" x 60" Duriron

Completion Date 9-8-80

Well Name Atlantic C # 5A			Location SE 6-30-10			CPS No. 1459 W				
Type & Size Bit Used 6 3/4" rock			Work Order No. 57470-21							
Anode Hole Depth 360 Log 345		Total Drilling Rig Time		Total Lbs. Coke Used 3000		Lost Circulation Mat'l Used		No. Sacks Mud Used		
Anode Depth	# 1 310	# 2 300	# 3 290	# 4 280	# 5 270	# 6 260	# 7 250	# 8 240	# 9 230	# 10 220
Anode Output (Amps)	# 1 5.1	# 2 5.4	# 3 6.1	# 4 5.1	# 5 5.3	# 6 3.5	# 7 3.9	# 8 4.6	# 9 5.0	# 10 4.1
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 23.2		Amps 11.9		Ohms .51		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		

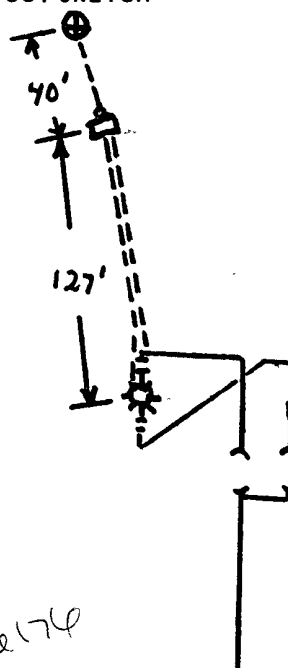
Remarks: **STATIC % 600' NW = .82 UNION - good Driller said water at 130' caught WATER SAMPLE. Drilled to 360' Logged 345' INST 360' OF VENT Pipe with 240' Perf. SLurried 30 sacks of coke.**

STUB POLE ✓
400 16A Rect ✓
Hole depth = -155 ✓
Ditch & cable = 167 ✓
Extra cable = 167 ✓

All Construction Completed

Robert J. Balmer
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6174

Atlantic C
LEASE SE 6-30-10

#54
WELL NO.

Three C Drilling
CONTRACTOR

2
RIG NO.

CPS 1459W

DAILY DRILLING REPORT

REPORT NO. 57470-21 DATE Sept 8 1980

1980

[illegible]

SIGNED: Toolpusher Kevin Burge

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet 1 of 1
Date: 9-8-80
By: RSB
File: 1459W

1459W ATLANTIC C# SA SE6-30-1D 57470-21
STATIC %S NW=.82 UNION=GOOD

9-8-80-10hrs

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

Driller SAID WATER AT 130' CAUGHT
WATER SAMPLE DRILLED TO 360'
Logged 345 INST 360' OF VENT
PIPE WITH 240' PERF. SLURRIED
30 SACKS OF COKE.

120	.9	300	29-2
	.9		2.9
30	.9	10	2.9-1
	.9		3.1
40	.8	20	2.9
	1.0		2.7
50	1.1	30	2.7
	1.2		
60	.8	40	
	1.2		
70	1.3	50	
	1.5		
80	2.2	60	
	2.3		
90	2.5		
	2.3		
200	2.5		
	2.5		
10	2.4		
	2.3		
20	2.3-10		
	2.5		
30	2.8-9		
	2.8		
40	2.8-8		
	2.4		
50	2.3-7		
	2.0		
60	2.3-6		
	2.8		
70	2.8-5		
	2.7		
80	2.7-4		
	3.0		
90	3.1-3		
	3.0		

①	310-	4.3-5.1
②	300-	4.6-5.4
③	290-	4.9-6.1
④	280-	4.0-5.1
⑤	270-	4.1-5.3
⑥	260-	2.6-3.5
⑦	250-	3.1-3.9
⑧	240-	3.9-4.6
⑨	230-	4.1-5.0
⑩	220-	3.1-4.1

$$1/.9 \vee 23.2A = .51 \text{ ohms}$$

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

Analysis No. 1-10036 Date 11-12-80
Operator El Paso Natural Gas Well Name Atlantic C #5A
Location SE 6-30-10 County San Juan State New Mexico
Field Kutz Formation _____
Sampled From CPS 1459W @ 130 ft.

Date Sampled 9-8-80 By Robert Babnick

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>277</u>	<u>12</u>	Chloride <u>136</u>
Calcium <u>524</u>	<u>26.2</u>	Bicarbonate <u>49</u>
Magnesium <u>47</u>	<u>3.8</u>	Sulfate <u>1800</u>
Iron <u>No test</u>		Carbonate <u>0</u>
H ₂ S <u>No test</u>		Hydroxide <u>0</u>

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

Total Solids Dissolved 3116
pH 7.2
Sp. Gr. 1.0025 At 60°F
Resistivity 278 ohm-cm at 77°F

Joe Barnett
Chemist

