

5025

30-045-22255

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. 23 Twp 31 Rng 10
Name of Well/Wells or Pipeline Serviced ATLANTIC COM A #7A,
ATLANTIC #13 cps 1318w
Elevation 6401' Completion Date 11/2/78 Total Depth 460' Land Type* N/A
Casing, Sizes, Types & Depths 40' 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. 100' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: 43 SACKS
Depths anodes placed: 390', 370', 360', 340', 330', 320', 310', 300', 290', 260'
Depths vent pipes placed: 430'
Vent pipe perforations: 360'
Remarks: gb #1 260' HOLE CAVED.

RECEIVED

MAY 31 1991

**OIL CON. D'
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) ☐

CONTRACT # 2

Completion Date 11/2/78

Well Name ATLANTIC COM A #7-4		Location SE 23-31-10		CPS No. 1318W	
Type & Size Bit Used 6 3/4"		(2"x2"x48" Graphite)		Work Order No. 57109-21	
Anode Hole Depth 460 - 430 TD	Total Drilling Rig Time	Total Lbs. Coke Used 43 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	390'	370'	360'	340'	330'
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	3.5'	2.2	2.0	2.3	3.1
Anode Depth	# 6	# 7	# 8	# 9	# 10
	320'	310'	300'	290'	260'
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	3.1	2.9	2.7	2.5	2.2
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 12.5		Amps 13.0		Ohms .96
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: STATIC 600' SW = .77V. Drilled To 100'. WAITED 20 MIN. BLEW WATER
Drilled To 360'. NEXT AM. WATER AT 160'. FILLED hole WITH WATER & LOGGED. NEED
MORE hole. Hole CAVED IN, HUNG DRILLER IN hole. MOVED over 15' AND STARTED
NEW hole. SET 40' of 8" P.V.C. SURFACE CASING. WATER AT 100', APPROX.
5 GAL/MIN. MORE WATER AT 360' APPROX. 20 GAL/MIN. Drilled 460'. LOGGED
430'. INSTALLED 430' of 1" P.V.C. VENT PIPE, PERFORATED 360'.

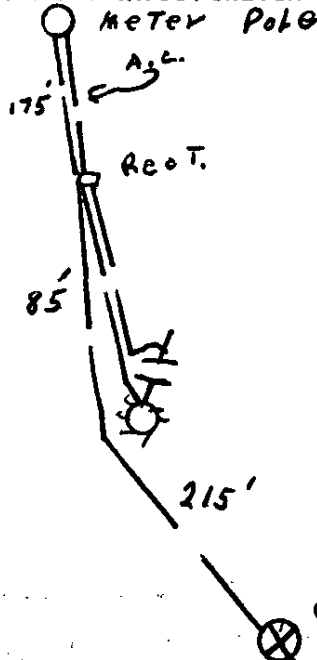
All Construction Completed

JC Stubb
(Signature)

Ditch + 1 cable = 475'
 EXTRA cable = 345'
 Meter Loop Pole (20')
 Stub pole & 40V 16A RECT.
 Hole Depth - 70'

(10 hr. Rig Time For setting
 SURFACE CASING)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

1978

EVENING

[illegible]

NO. DC		SIZE	LENG.	NO. DC		SIZE	LENG.
NO. DC		SIZE	LENG.	NO. DC		SIZE	LENG.
STANDS				STANDS			
SINGLES				SINGLES			
DOWN ON KELLY				DOWN ON KELLY			
TOTAL DEPTH				TOTAL DEPTH			
MAKE				MAKE			
MUD RECORD				MUD RECORD			
MUD, ADDITIVES USED AND RECEIVED				MUD, ADDITIVES USED AND RECEIVED			

[illegible]

TIME BREAKDOWN		TIME BREAKDOWN		TIME BREAKDOWN	
FROM	TO	FROM	TO	FROM	TO
20	60	240	300	Shale	
60	80	300	320	Shale	
80	100	320	380	Shale (water)	
100	140	380	460	Shale	
140	180				
180	240				

REMARKS -

		Drilled 6 3/4" to 25' 6" Logged 4:30 Got water at 100 ft 5 gpm. Got water at 360 20 gpm. Set 40 ft of pipe. for surface of pipe.
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Community Supervision

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

Atlantic Com A #7-A

SE23-31-10

1318W

57109-21

CONTRACT #2

Static 600' SW = 0.97

2'x2'x48" Graphite

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

Drilled to 100' waited 20 min, Blew water
Drilled to 260' next A.M. water @ 100'. Filled
hole with water & logged. Moved mine hole. Hole
caved in. Hung Drilled in Hole. Moved
over 15' started new hole, set 40' of

100' 1.5 90' 1.4 - ⑧ 8" P.V.C. SURFACE CASING, WATER AT
1.2 100' Approx. 5 gal/min, more water
10' .5 300' 1.8 - ⑧ AT 360' Approx. 20 gal/min, Drilled
20' .3 10' 1.5 460' Logged 430' installed
30' .4 20' 1.6 - ⑦ 430' of 1" P.V.C. VENT PIPE
40' .3 30' 1.7 perforated 360';
50' .3 40' 1.8 - ⑥
60' .5 50' 1.9
70' .6 60' 1.8 - ⑤
80' .4 70' 1.6
90' .3 80' 1.1 - ④
100' .5 90' .9
110' .5 100' .9
120' .6 110' .8
130' .6 120' 1.0 - ③
140' .4 130' 1.4
150' .3 140' 1.2 - ②
160' .4 150' .6
170' .4 160' .4
180' .4 170' .9
190' .4 180' 2.0 - ①
200' .4 190' 2.3
210' .4 200' 2.5
220' .5 210' 2.7
230' .5 220' 2.7
240' .5 230' .9
250' .4 240' .9
260' .4 250' .9
270' .4 260' .9
280' .4 270' .9
290' .4 280' .9
300' .4 290' .9
310' .4 300' .9
320' .4 310' .9
330' .4 320' .9
340' .4 330' .9
350' .4 340' .9
360' .4 350' .9
370' .4 360' .9
380' .4 370' .9
390' .4 380' .9
400' .4 390' .9
410' .4 400' .9
420' .4 410' .9
430' .4 420' .9
440' .4 430' .9
450' .4 440' .9
460' .4 450' .9
470' .4 460' .9
480' .4 470' .9
490' .4 480' .9
500' .4 490' .9
510' .4 500' .9
520' .4 510' .9
530' .4 520' .9
540' .4 530' .9
550' .4 540' .9
560' .4 550' .9
570' .4 560' .9
580' .4 570' .9
590' .4 580' .9
600' .4 590' .9

12.5V 13A = .96 ~
11/2/78
gl

40-16 Rectifier
20' Meter Pole
Hole Depth = -7
Ditch 5' Cable = 4
Extra Cable = 3
Stub Pole

MW	MISC.	gals/mol.
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

200' .4 90' 2.0 - ①

1 - 390 - 2.3 - 3.5

2 - 370 - 1.4 - 2.2

3 - 360 - 1.2 - 2.0

4 - 340 - 1.3 - 2.3

5 - 330 - 1.7 - 3.1

6 - 320 - 1.8 - 3.1

7 - 310 - 1.8 - 2.9

8 - 300 - 1.7 - 2.7

9 - 290 - 1.4 - 2.5

10 - 260 - 1.3 - 2.2

10' .4 100' 2.5

20' .5 10' 2.7

30' .5 20' 2.7

40' .5 30' .9

50' .4 40' .9

60' .4 50' .9

70' .4 60' .9

80' .4 70' .9

90' .4 80' .9

100' .4 90' .9

110' .4 100' .9

120' .4 110' .9

130' .4 120' .9

140' .4 130' .9

150' .4 140' .9

160' .4 150' .9

170' .4 160' .9

180' .4 170' .9

190' .4 180' .9

200' .4 190' .9

Drilled To

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

Analysis No. 1-9413 Date 12-12-78

Operator _____ Well Name ATLANTIC COM A #7A 1318 W

Location SE 23-31-10 County _____ State NM

Field _____ Formation _____

Sampled From 1318 W

Date Sampled _____ By _____

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

Sodium 115 5

Chloride 12 .3

Calcium 136 7

Bicarbonate 122 2

Magnesium 5 .4

Sulfate 468 10

Iron PRESENT

Carbonate 0 0

H₂S ABSENT

Hydroxide 0 0

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

Total Solids Dissolved 812

pH 7.6

Sp. Gr. 1.0020 at 60°F

Resistivity 930 ohm-cm at 75 °F

Barnett - Ellsberg
Chemist

