

3A= 30-045-22800
11= 30-045-21142

5019

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. 31 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC C #3A, #11

cps 1324w

Elevation 6114' Completion Date 4/9/79 Total Depth 380' 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. 170' SAMPLE TAKEN

Depths gas encountered: N/a

Type & amount of coke breeze used: 47 SACKS

Depths anodes placed: 350', 340', 330', 320', 305', 290', 280', 265', 255', 225'

Depths vent pipes placed: 360'

Vent pipe perforations: 200'

Remarks: qb #1

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). ☐

Completion Date 4/9/79

Well Name <u>ATLANTIC C-3-A</u> <u>C-11</u>		Location <u>S.E 31-31-10</u>		CPS No. <u>1324 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57257-21</u> <u>55327-19</u>	
Anode Hole Depth <u>380' T.D 375'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>47 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 <u>350'</u>	# 2 <u>340'</u>	# 3 <u>330'</u>	# 4 <u>320'</u>	# 5 <u>305'</u>
Anode Output (Amps)	# 1 <u>6.0</u>	# 2 <u>5.5</u>	# 3 <u>5.5</u>	# 4 <u>5.1</u>	# 5 <u>3.5</u>
Anode Depth	# 6 <u>290'</u>	# 7 <u>280'</u>	# 8 <u>265'</u>	# 9 <u>255'</u>	# 10 <u>225'</u>
Anode Output (Amps)	# 6 <u>5.2</u>	# 7 <u>5.2</u>	# 8 <u>4.6</u>	# 9 <u>5.2</u>	# 10 <u>3.6</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>11.2 V</u>	Amps <u>25.0 A</u>	Ohms <u>.45 Ω</u>			

Remarks: ATLANTIC C-3-A STATIC 600'-S = .85

ATLANTIC C-11 HAS Bond Box. Driller said WATER AT 170'. DRILL 180' WITH AIR. WATER IN hole NEXT A.M. AT 170'. TOOK WATER SAMPLE
Hole MAKING approx 1 gal./min. INSTALLED 360' of 1" P.V.C. VENT PIPE
PERFORATED 200'. (1 1/2" x 60" Duriron)

Ditch & cable = 230'
extra cable = 210'
Hole Depth = -125'

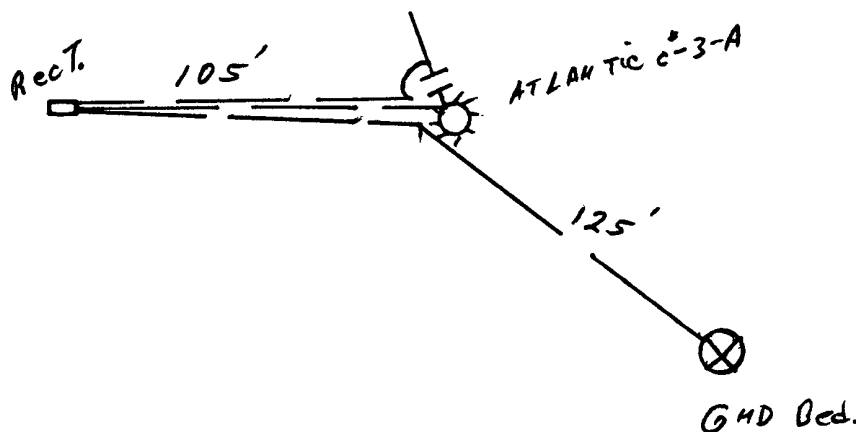
GROUND BED LAYOUT SKETCH

Stub Pole & 40V 16A Rect.

ATLANTIC C-11

All Construction Completed

jc Stott
(Signature)



ATLANTIC C #3-A
" C #11- W.O. 57257-21
- W.O. 55327-19

CPS-1324-W

S.E. 31-31-10

MW	gas/mol
16	C ₂ 6.4
30	C ₂ 9.56
44	C ₂ 10.42
58	C ₂ 12.36
72	C ₂ 13.85
86	C ₂ 15.71
100	C ₂ 17.56
114	C ₂ 19.38
128	C ₂ 21.24
142	C ₂ 23.09

170-	10-1.5	PRILLER SAID WATER AT 120'
	1.9	Drilled To 180' WATER IN
80-1.5	20-1.9 - ⑩	Hole next A.M. AT 170'
1.9	1.9	Approx. 1 gal./min. Took WATER
90-1.9	30-2.0 - ③	SAMPLE. STARTED INJECTING
2.0	2.0	WATER AT 180'. INSTALLED
200-1.9	40-2.1 - ②	360' of 1" P.V.C. vent
1.0	1.9	Pipe Perforated 200'
10-1.3	50-1.9 - ①	
1.0	2.1	
20-1.4	60-2.0	
2.0 - ⑩	1.9	
30-1.9	70-2.0	
1.3	375- T.D.	11.2V 25.0A = 45"
40-1.7	80- Drilled To	
1.3	██████████	
50-2.1	██████████	
2.2 - ⑨		
60-2.2		
2.1 - ⑧		
70-1.6		1 = 350 - 2.4 - 6.0
1.6		2 = 340 - 2.5 - 5.5
80-2.1 - ⑦		3 = 330 - 2.4 - 5.5
2.0		4 = 320 - 2.3 - 5.1
90-2.1 - ⑥		5 = 305 - 1.8 - 3.5
1.8		6 = 290 - 2.6 - 5.2
300-1.6		7 = 280 - 2.4 - 5.2
1.9 - ⑤		8 = 265 - 2.4 - 4.6
		9 = 255 - 2.5 - 5.2
		10 = 225 - 2.0 - 3.6

MW	gas/mol
44	CO ₂ 9.56
58	H ₂ S 10.42
72	N ₂ 12.36
86	H ₂ 13.85

4/9/79

J

Nis

57257-21 - 4 hr. Ry. 2 hr. O.T.
55327-19 - 4 hr. Ry. 2 hr. O.T.

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE **CPS-1324W** WELL NO. **C-11** CONTRACTORRIG NO. **W-1** REPORT NO.DATE **April 9** 19 **79**

MORNING

DAYLIGHT

EVENING

Driller **JOE SCARBROUGH** Total Men In Crew

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.

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 6 3/4	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.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -

REMARKS -

REMARKS -

0 - 40 - Sand
 40 - 185 - Sandy SHALE.
 185 - 250 - SHALE.
 250 - 275 - Sand Stone
 275 - 380 - Sandy SHALE

DRILLED 380'
 T.D. 375'
 Made WATER 170'
 APPROX. 1 gal Per Min

SIGNED: Toolpusher

Company Supervisor

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

Analysis No. 1-9516 Date 5-17-79

Operator EPNG Well Name ATLANTIC C-3A

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

Field Formation

Sampled From CPS # 1324W

Date Sampled By

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

Sodium <u>2852</u>	<u>124</u>	Chloride <u>324</u>	<u>9</u>
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Calcium <u>435</u>	<u>22</u>	Bicarbonate <u>98</u>	<u>2</u>
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Magnesium <u>25</u>	<u>2</u>	Sulfate <u>6563</u>	<u>137</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 Total Solids Dissolved 11228

R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

pH 8.0

Sp. Gr. 1.0086 at 60°F

Resistivity 85 ohm-cm at 70 °F

Water at 70' 1 gal/min

Barnett + Tarwiller RZE
Chemist

