

1235 #4A 30-045-23379

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator TENNECO Location: Unit SE Sec. 5 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC B #4A, #13

CPS 1494W

Elevation 6294 Completion Date 9/5/80 Total Depth 320' 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. 50'

Depths gas encountered: N/A

Type & amount of coke breeze used: 27 SACKS

Depths anodes placed: 295', 285', 255', 245', 175', 150', 140', 100', 90', 80'

Depths vent pipes placed: 320'

Vent pipe perforations: 300'

Remarks: gb #1 NOT A MERIDIAN WELL.

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) ☐

Completion Date 9/5/80

Well Name <u>ATLANTIC B-4A</u> <u>ATLANTIC B-13</u>		Location <u>SE 5-30-10</u>		CPS No. <u>1494 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57625-21</u> <u>52216-19</u>	
Anode Hole Depth <u>320' T.D. 320'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>27 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>295'</u>	# 2 <u>285'</u>	# 3 <u>255'</u>	# 4 <u>245'</u>	# 5 <u>175'</u>	# 6 <u>150'</u>
# 7 <u>140'</u>	# 8 <u>100'</u>	# 9 <u>90'</u>	# 10 <u>80'</u>		
Anode Output (Amps)					
# 1 <u>3.7</u>	# 2 <u>3.9</u>	# 3 <u>3.1</u>	# 4 <u>3.9</u>	# 5 <u>3.6</u>	# 6 <u>3.1</u>
# 7 <u>3.3</u>	# 8 <u>3.3</u>	# 9 <u>3.4</u>	# 10 <u>3.1</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>10.8 V</u>	Amps <u>18.4 A</u>	Ohms <u>.59</u>			

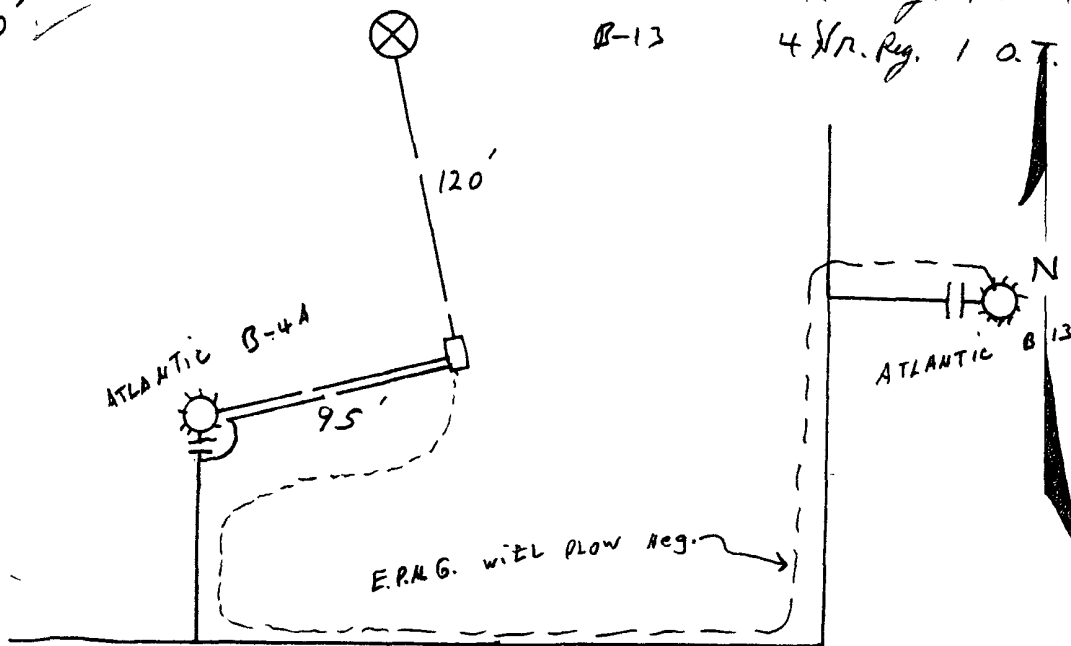
Remarks: STATIC 600' W = .94V INSULATED UNION CHECKED OK
DRILLER SAID WATER AT 50' APPROX. 7-8 GAL./MIN. TOOK WATER SAMPLE.
DRILLED TO 320', LOGGED 320'. INSTALLED 320' OF 1" P.V.C. VENT PIPE
PERFORATED 300'.

Ditch + cable = 215' ✓
 EXTRA CABLE = 125' ✓
 10' STUB POLE ✓
 60V 30A RECT. ✓
 Hole Depth -180' ✓

All Construction Completed

JE Stottle
(Signature)

GROUND BED LAYOUT SKETCH



El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

CPS 1494 W

ATLANTIC B-4A

v.o. 57625-21

ATLANTIC B-13

SE 5-30-10

52216-19

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

50 - 1.7	210 - .9
2.0 -	1.1
60 - 1.6	20 - 1.3
1.4	1.0
70 - 1.4	30 - 1.2
1.6	1.2
80 - 1.8 - ⑩	40 - 1.4
2.0	2.1 - ④
90 - 2.0 - ⑨	50 - 1.8
1.8	1.8 - ②
100 - 2.0 - ⑧	60 - 1.6
1.4	1.0
10 - 1.1	70 - .6
1.1	1.5
20 - 1.2	80 - 1.7
1.4	2.1 - ②
30 - 1.6	90 - 2.0 -
1.7	2.1 - ①
40 - 1.9 - ⑦	300 - 2.3
2.1	2.2
50 - 1.8 - ⑥	310 - 2.2
1.5	2.0
60 - 1.4	20 - Drilled To - T.D.
1.4	
70 - 1.4	
2.0 - ⑤	
80 - 1.9	
1.7	
90 - 1.4	
1.3	
200 - 1.2	
1.0	

Driller said WATER AT
50', Approx. 7-8 GAL/MIN.
Took WATER SAMPLE. Drilled
To 320'. INSTALLED 320' of
1" P.V.C. VENT Pipe, Perforated
300'. T.D. 320'

10.8 V. 18.4 A. = .59 R

9/5/80

JS

1 - 295'	3.2 - 3.7
2 - 285'	3.0 - 3.9
3 - 255'	2.8 - 3.1
4 - 245'	3.6 - 3.9
5 - 175'	3.1 - 3.6
6 - 150'	2.8 - 3.1
7 - 140'	2.7 - 3.2
8 - 100'	2.7 - 3.3
9 - 90'	3.0 - 3.4
10 - 30'	2.5 - 3.1

CPS# 1494W

Atlantic B-4A & Atlantic B-13

W.O.#'s 57625-21 & 52216-19

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR 3-C

DRILLING

RIG NO. #1

REPORT NO.

DATE SEPT 5th 1980

MORNING

DAYLIGHT

EVENING

Driller Brian

Total Men In Crew 2

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.
SER. NO.	NO. DC	SIZE	LENG.	SER. NO.	NO. DC	SIZE	LENG.	SER. NO.	NO. DC	SIZE	LENG.
SIZE 6 3/4	STANDS	SINGLES 16	DOWN ON KELLY	SIZE	STANDS	SINGLES	DOWN ON KELLY	SIZE	STANDS	SINGLES	DOWN ON KELLY
TYPE rock	TOTAL DEPTH 320' 320'	MAKE	TOTAL DEPTH	TYPE	TOTAL DEPTH	MAKE	TOTAL DEPTH	TYPE	TOTAL DEPTH	MAKE	TOTAL DEPTH

Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	20	sand	140	160	shale			
20	40	clay & sandstone	160	180	Bentonite			
40	60	sand-water 50' 7 gpm	180	200	shale			
	80	Bentonite	200	220	Bentonite			
80	120	shale	220	320	shale			
120	140	Bentonite						

REMARKS -

REMARKS -

drilled to 60' waited on water for approx. 3 minutes. Hole making approx. 78 gallons per minute. Got a good water sample.

Total hole depth 320'

Total log depth 300'

REMARKS -

SIGNED: Toolpusher

Brian Buge

Company Supervisor