

1262

#2-A 30-045-22979

E

#12 30-045-21097

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. 36 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC D COM A #2A, K #12

cps 1543w

Elevation 6562 Completion Date 9/5/80 Total Depth 480' 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. 80' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4200 lbs.

Depths anodes placed: 440', 430', 420', 410', 400', 375', 365', 355', 345', 310'

Depths vent pipes placed: 460'

Vent pipe perforations: 400'

Remarks: gb #1

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). ☐

2" x 60" DURIRON

Completion Date 9-5-80

Well Name Atlantic Dcom A#2A & K#12		Location SE36-31-10		CPS No. 1543W	
Type & Size Bit Used 6 3/4				Work Order No. 57328-21 & 55353-19	
Anode Hole Depth 480 Log-470	Total Drilling Rig Time	Total Lbs. Coke Used 4200	Lost Circulation Mat'l Used		No. Sacks Mud Used
Anode Depth					
# 1 440	# 2 430	# 3 420	# 4 410	# 5 400	# 6 375
# 7 365	# 8 355	# 9 345	# 10 310		
Anode Output (Amps)					
# 1 3.7	# 2 4.1	# 3 3.9	# 4 4.3	# 5 3.5	# 6 3.3
# 7 3.2	# 8 4.0	# 9 3.9	# 10 2.4		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance			No. 8 C.P. Cable Used		No. 2 C.P. Cable Used
Volts 12.0	Amps 17.8	Ohms .67			

Remarks: **STATIC C/S #2A-600'E = .79 UNION=good & #K12 (84B) 600'NW = .87 UNION=good**
DRILLER SAID WATER AT 80' DRILLED TO 160' CAUGHT WATER SAMPLE NEXT A.M.
DRILLED 480' LOGGED 470'. INST. 460' OF VENT PIPE WITH 400' PERF.
SLURRED 42 SACKS OF COKE

STUB POLE ✓

60V 30A RECT ✓

Hole depth = -30 ✓

Ditch & cable = 157' ✓

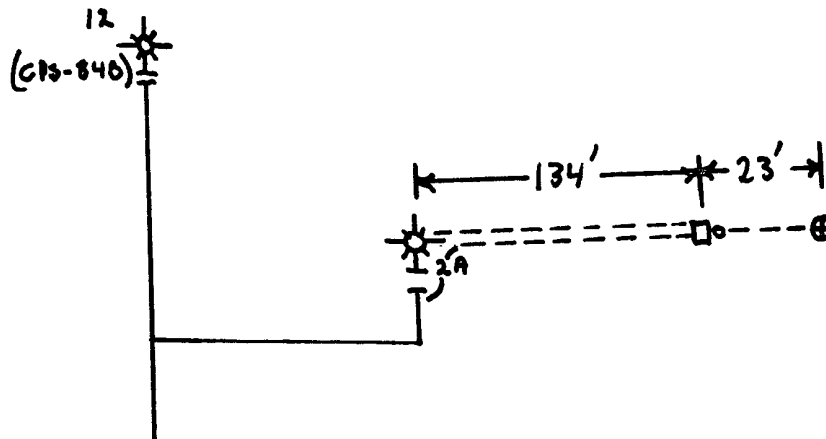
EXTRA cable = 164' ✓

Time	Reg	OT
9.5-80	8	2

All Construction Completed

Robert J. Bulnick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6562

DAILY DRILLING REPORT

Atlantic D Com A #2A & K#12 Three C Drilling
LEASE SE 31-31-110 WELL NO. CONTRACTOR

2
RIG NO.

CPS 1543

REPORT NO. 37328-21 DATE Sept 5 1980
35353-19
 EVENING

MORNING

DAYLIGHT

EVENING

Driller					Total Men In Crew				
FROM	TO	FORMATION	WT-BIT	R.P.M.					
0	80	SANDstone water sand							
80	100	shale							
100	120	sandstone							
120	160	shale							

	NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____
BIT NO.	NO. DC ____ SIZE ____ LENG. ____	BIT NO.	NO. DC ____ SIZE ____ LENG. ____	BIT NO.	NO. DC ____ SIZE ____ LENG. ____
SER. NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS
SIZE <i>6 3/4</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

[illegible][illegible][illegible]

SIGNED: Toolpusher Kevin Budge Company Supervisor _____

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet 1 of 1
Date 9-5-80
By RJB
File: 1543W1543W ATLANTIC D COM A#2A & K#12 57328-21 & 55353-19
STATIC 600'E = .79 u = good S+(848).87 w good 23 & 134 10hrs
SE 36-31-10

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

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

80	1.9	300	1.4
	1.5		1.8
90	1.3	10	1.9-
	1.1		1.5
100	.9	20	1.3
	.7		1.2
10	.8	30	1.3
	.8		1.7
20	1.2	40	2.6
	1.0		3.2-
30	1.0	50	3.1
	1.1		3.0-
40	1.3	60	2.6
	1.4		2.2-
50	1.4	70	1.8
	1.4		2.1-
60	.9	80	1.5
	.7		1.4
70	.7	90	1.4
	.7		1.3
80	1.0	400	1.9-
	1.5		2.4
90	1.7	10	2.3-
	1.6		2.3
200	1.7	20	2.5-
	2.3		2.4
10	2.3	30	2.5-
	1.7		2.5
20	1.0	40	2.5-
	.7		2.5
30	.6	50	2.3
	.6		2.6
40	.6	60	2.3-
	.7		
50	.8	70	
	.8		
60	.8	80	
	.8		
70	.9		
	.9		
80	1.0		
	1.4		
90	1.5		
	1.3		

DRILLER SAID WATER AT 80'
DRILLED TO 160' CAUGHT WATER
SAMPLE NEXT AM. Drilled to
480 FT ~~Hole caved while drilling~~
CAME OUT OF HOLE & LOGGED 470'
460' GENT 400' PERF
42 SACKS COKE

- ① 440-2.6-3.7
- ② 430-2.5-4.1
- ③ 420-2.5-3.9
- ④ 410-2.5-4.3
- ⑤ 400-2.4-3.5
- ⑥ 375-2.6-3.3
- ⑦ 365-2.3-3.2
- ⑧ 355-3.0-4.0
- ⑨ 345-3.0-3.9
- ⑩ 310-1.5-2.4

$$12.0V \ 17.8A = .67 \text{ ohms}$$

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

Analysis No. 1-10038 Date 11-12-80
Operator El Paso Natural Gas Well Name Atlantic D Com A #2A
Location SE 36-31-10 County San Juan State New Mexico
Field Kutz Formation _____
Sampled From CPS #1543-W @80 ft.

Date Sampled 9-5-80 By Robert Babnick

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>30</u>	<u>1.3</u>	Chloride <u>6</u>
Calcium <u>38</u>	<u>1.9</u>	Bicarbonate <u>100</u>
Magnesium <u>8</u>	<u>0.7</u>	Sulfate <u>100</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 252

pH 8.1

Sp. Gr. 1.0012 At 60°F

Resistivity 2857 ohm-cm at 77°F

Joe Barnett
Chemist

