

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 10Name of Well/Wells or Pipeline Serviced ATLANTIC D COM A #2A, K #12
cps 1543wElevation 6562 Completion Date 9/5/80 Total Depth 480' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 80' SAMPLE TAKENDepths gas encountered: N/AType & 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" DURIROD

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
# 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 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

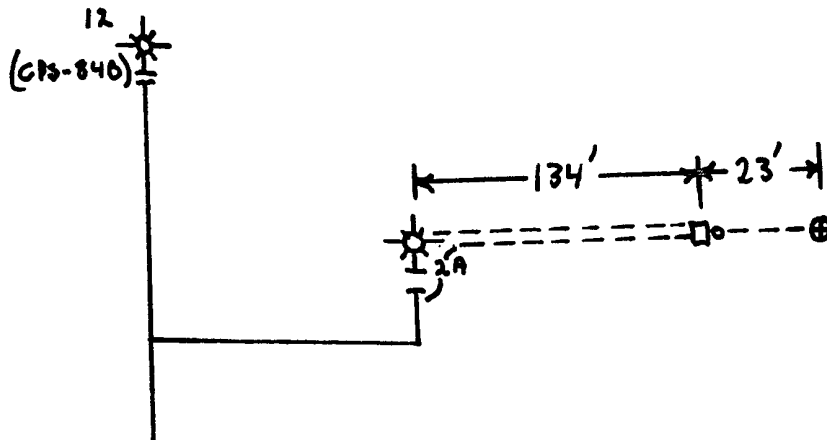
STUB POLE ✓
 60V 30A RECT ✓
 HOLE DEPTH = -30 ✓
 DITCH & CABLE = 157' ✓
 EXTRA CABLE = 164' ✓

All Construction Completed

Robert J. Blum
 (Signature)

GROUND BED LAYOUT SKETCH

TIME	REG	OT
9.5-80	8	2



DISTRIBUTION:

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

6562

DAILY DRILLING REPORT

Atlantic D Com A #24 & K#12 Three C Drilling

2
RIG NO.

CPS 1543

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

LEASE SE 31-31-112 WELL NO. _____

CONTRACTOR

MORNING

DAYLIGHT

EVENING

Driller					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.	FROM	TO	FORMATION	WT-BIT	R.P.M.	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 Bridge

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 9-5-80
By: RJB
File: 1543W

1543W ATLANTIC D COM A#2A & K#12 57328-21 & 55353-19
STATIC 600' E = .79 u = good ST(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		

D RILLER 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. _____

Sodium	ppm	epm	Chloride	ppm	epm
	30	1.3		6	0.2

Calcium	38	1.9	Bicarbonate	100	1.6
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Magnesium	8	0.7	Sulfate	100	2.1
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Iron	No test		Carbonate	0	0
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H ₂ S	No test		Hydroxide	0	0
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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

