

1838

30-045-23377

E

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. 3 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced KOCK #1A

cps 1498w

Elevation 6464 Completion Date 9/18/80 Total Depth 420' 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. 160'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4000 lbs.

Depths anodes placed: 375', 365', 355', 345', 335', 325', 315', 305', 295'

Depths vent pipes placed: 400'

Vent pipe perforations: 280'

Remarks: gb #1, 96#2

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.

1249

E

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. 3 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced KOCH #1A
cps 1498w

Elevation 6464 Completion Date 9/18/80 Total Depth 180' 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. 150'

Depths gas encountered: N/A

Type & amount of coke breeze used: 17 SACKS

Depths anodes placed: 160'

Depths vent pipes placed: 180'

Vent pipe perforations: 80'

Remarks: gb #2

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*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 9-18-80

Well Name Koch #1A		Location SE3-30-10		CPS No. 1498W	
Type & Size Bit Used 6 3/4" Rock				Work Order No. 57738.21	
Anode Hole Depth 420-406403	Total Drilling Rig Time	Total Lbs. Coke Used 4000	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 375	# 2 365	# 3 355	# 4 345	# 5 335	# 6 325
# 7 315	# 8 305	# 9 295	# 10 160		
Anode Output (Amps)					
# 1 2.8	# 2 2.9	# 3 2.6	# 4 3.1	# 5 5.2	# 6 3.4
# 7 5.7	# 8 5.0	# 9 4.6	# 10 2.7		
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 11.8	Amps 18.1	Ohms .65			

Remarks: STATIC $\frac{1}{2}$ 600' E = .77 union-good (ST $\frac{1}{2}$ close offset-ATLANTICA #23 = .85)
Driller said WATER AT 160' brought water to surface next AM. Drilled to 200' waited 15 min & caught water sample INST DRILLED 420 Log 403
INST 400' VENT 280' PERF. Hole caved while loading AFTER #9 Responded
#10 would not go in hole past 130'. Drilled 2nd hole 180' HIT gravel 120-130
Blew DRY Logged WATER AT 150' IN 45 MIN. 175' TD - 180' VENT PIPE 80' PERF. Slurried 17 sack.

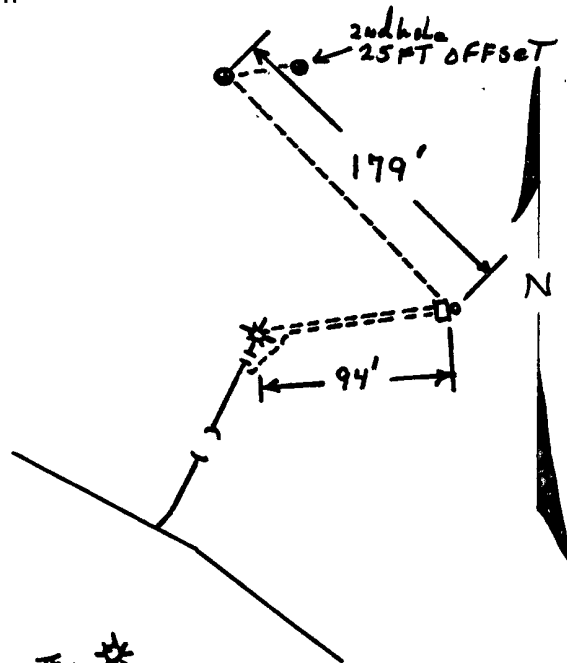
STUB POLE ✓
 40V16A RECT ✓
 HOLE DEPTH = -97 ✓
 DITCH & CABLE = 273 ✓
 EXTRA CABLE = 124 ✓

Time	Rev	OT
9-9-80	8	2
9-18-80	6	

All Construction Completed

Robert Balnick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6464

ATLANTICA #23 *

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet 1 of 1
Date: 9-9-79-18
By: RJG
File: 014981

1498W Koch #1A Se 3-30-10-57738-21 STKE=.77 ugood
(close OFFSET PC well drawing MADE SPRING 1980)
A+LANTIC B #23 ST 1/2 SE=.85 No union NOT yet Tied IN

9-9=10h
9-18=6h

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

blew hole out
DRY AT 180'
CAME MADE
HOLE MADE
WATER TO HERE 45 min

140	.4	340	2.2
	.3		1.8-4
50	.5	50	1.5
	.7		1.5-3
60	1.6	60	1.7
	1.1		1.7-2
70	.6	70	1.7
	.6		1.7-1
80	.6	80	1.0
	.5		.9
90	.7	90	1.1
	.9		.9
200	1.0	400	.5
	.9		403+0
10	.9	10	
	.8		
20	.9	20	
	.9		
30	.8		
	.6		
40	.9		
	1.4		
50	1.8		
	1.4		
60	1.2		
	.9		
70	.9		
	.9		
80	.5		
	.2		
90	1.5		
	2.1-9		
300	2.0		
	2.3-8		
10	2.6		
	1.9-7		
20	1.8		
	1.8-6		
30	1.9		
	2.4-5		

DRILLER SAID WATER AT 160'
CAUGHT WATER SAMPLE
Drilled to 420' Logged
403' INST 400 FT OF CASING
WITH 280' PERF. HOLE CAVED
AT 133 FT AFTER #9 ANODE
Responded could not get
#10 PAST 133 FT 23 SACKS COKE
#1 DRILLED second hole
25 FT OFFSET WATER ZONE
120 to 130' IN gravel Belier
this is where FIRST HOLE CAVED
DRILLED 180' Logged 176'
INST 180' VENT PIPE WITH
80' PERF SLURRIED 17 SACKS
COKE TOTAL COKE 40 SACKS
(let second hole make
ITS OWN WATER AFTER
DRILLING TD ANODE HIT
WATER AT 150')

- ① 375-1.9-2.8
- ② 365-1.9-2.9
- ③ 355-1.7-2.6
- ④ 345-1.9-3.1
- ⑤ 335-2.9-5.2
- ⑥ 325-2.1-3.4
- ⑦ 315-2.9-5.7
- ⑧ 305-2.7-5.0
- ⑨ 295-2.4-4.6
- ⑩ 285-1.6-1.7-2.7

11.8v / 18.1A = .65ohms

DRILLING DEPARTMENT

DAILY DRILLING REPORT

Koch

1A

Three C Drilling
CONTRACTOR

2

CS 1498-W

DAILY DRILLING REPORT

LEASE SE 3-30-10 WELL NO. _____

CONTRACTOR

RIG NO.

REPORT NO. 57738-2 DATE Sept 9

1980

MORNING

DAYLIGHT

EVENING

Driller					Total Men In Crew				
FROM	TO	FORMATION	WT-BIT	R.P.M.					
0	140	sandstone							
140	160	water sand shale							
160	290	shale sand stone							
290	420	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. _____
SET NO. _____	STANDS _____	SERIAL NO. _____	STANDS _____	SERIAL NO. _____	STANDS _____
SIZE 1 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 _____

[illegible][illegible][illegible]

SIGNED: Toolpusher

Kevin Burge

____ Company Supervisor

CP

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

Analysis No. 1-10061 Date 12-2-80
Operator El Paso Natural Gas Well Name Kock #1A
Location SE 3-30-10 County San Juan State New Mexico
Field Kutz Formation _____
Sampled From CPS 1498-W @ 160'

Date Sampled 9-9-80 By Robert Babnick

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>57</u>	<u>2.5</u>	Chloride <u>28</u>
Calcium <u>408</u>	<u>20.4</u>	Bicarbonate <u>137</u>
Magnesium <u>56</u>	<u>4.6</u>	Sulfate <u>1175</u>
Iron _____	_____	Carbonate <u>0</u>
H ₂ S _____	_____	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 2204
pH 8.0
Sp. Gr. .9964 At _____ 60°F
Resistivity 400 ohm-cm at _____ 77°F
Dennis Bird
Chemist

