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30-045-23149

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

Operator MERIDIAN OIL Location: Unit NW Sec. 14 Twp 29 Rng 8

Name of Well/Wells or Pipeline Serviced ROELOFS A #2A

cps. 1468w

Elevation 6345' Completion Date 8/8/80 Total Depth 620' 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. 260' & 300' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 505', 499', 493', 487', 481', 475', 469', 385', 377', 370'

Depths vent pipes placed: 605'

Vent pipe perforations: 320'

Remarks: (gb #1

RECEIVED
MAY 31 1981
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" DURATION

Completion Date 8/8/80

Well Name ROELOFS A #2A		Location NW 14-29-8		CPS No. 1468-W	
Type & Size Bit Used 6 3/4"				Work Order No. 57466-21	
Anode Hole Depth 620 T.D. 605'	Total Drilling Rig Time		Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
Anode Depth	# 1 505'	# 2 499'	# 3 493'	# 4 487'	# 5 481'
	# 6 475'	# 7 469'	# 8 385'	# 9 377'	# 10 370'
Anode Output (Amps)	# 1 2.4	# 2 2.7	# 3 2.9	# 4 2.7	# 5 3.5
	# 6 3.4	# 7 3.0	# 8 2.5	# 9 3.1	# 10 2.8
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	Volts 12.05 V		Amps 11.1 A	Ohms 1.08 V	
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

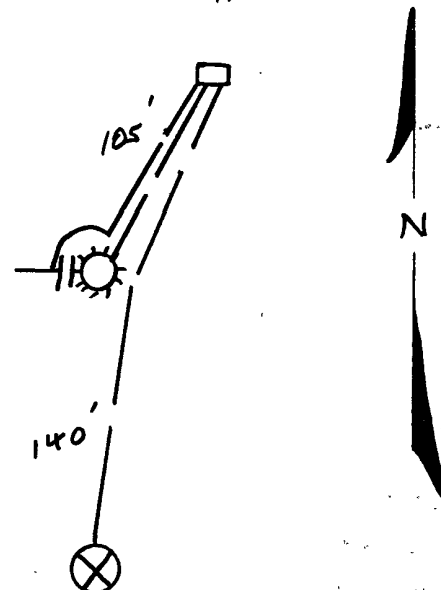
Remarks: STATIC GROUND = .97V INSULATED UNION CHECKED OK
DRILLED TO 260', COULD NOT BLOW WATER OUT OF HOLE NEXT A.M.
DRILLER SAID HIT WATER AT 300'. APPROX. 1-2 GAL/MIN. COULD NOT
BLOW ENOUGH OUT FOR WATER SAMPLE. DRILLED TO 620', LOGGED 605'.
INSTALLED 605' OF 1" R.V.C. VENT PIPE, PERFORATED 320'.

All Construction Completed

Ditch & 1 cable = 245' ✓
 extra cable = 240' ✓
 20' meter loop pole ✓
 40V 16A Rect. ✓
 Hole depth + 105' ✓

GROUND BED LAYOUT SKETCH

JE Smith
 (Signature)
 8 Hr. Reg.
 2 Hr. O.T.



DISTRIBUTION:

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

6345

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

ROELOFS A 2A CPS #1468 W
NW 14-29-8

W.O. 57466-21

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

300- .5
10- .4
20- .6
30- .7
40- .6
50- .3
60- .4
70- .5
80- .5
90- .8
100- .9
110- .9
120- .9
130- .9
140- .9
150- .9
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1000- .9

Drilled To 260', could
NOT Blow water out of
Hole next A.M. Driller
SAID HIT WATER AT 300';
Approx. 1-2 GAL./Min. could
NOT Blow enough out for
WATER SAMPLE. INSTALLED
605' of 1" P.V.C. VENT PIPE
PERFORATED 320'
T.P. 605'

12.09 V, 11.1 A. = 108 W

8/8/80

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605 T.D.

20- 1.1
30- .7
40- .6
50- .7
60- .8
70- 2.0
80- 2.2
90- 1.7
100- 1.7
110- 1.5
120- 1.3
130- 1.3
140- 1.3
150- 1.3
160- 1.3
170- 1.3
180- 1.3
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210- 1.3
220- 1.3
230- 1.3
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950- 1.3
960- 1.3
970- 1.3
980- 1.3
990- 1.3
1000- 1.3

1- 505- 1.3- 2.4
2- 499- 1.6- 2.7
3- 497- 1.6- 2.9
4- 489- 1.3- 2.7
5- 481- 1.9- 3.5
6- 473- 1.9- 3.4
7- 465- 1.8- 3.0
8- 385- 1.6- 2.5
9- 377- 1.9- 3.1
10- 370- 1.7- 2.8