

30-039-21628

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. 13 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #33A

cps 1399w

Elevation 6448' Completion Date 9/18/79 Total Depth 655' 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. WET AT 400'

Depths gas encountered: N/A

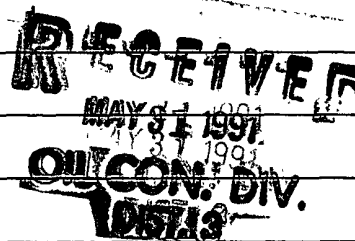
Type & amount of coke breeze used: 80 SACKS

Depths anodes placed: 605', 595', 585', 540', 470', 460', 450', 440', 430', 420'

Depths vent pipes placed: 655'

Vent pipe perforations: 320'

Remarks: gb #1



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). ☐ CONTRACT #2
(2" X 60" Durion)

Completion Date 9/18/79

Well Name S.J. 29-7 #33 A		Location SE 13-29-7		CPS No. 1399 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57343-21	
Anode Hole Depth 655' - 655'	Total Drilling Rig Time	Total Coke Coke Used 80 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 605'	# 2 595'	# 3 585'	# 4 540'	# 5 470'
	# 6 460'	# 7 450'	# 8 440'	# 9 430'	# 10 42'
Anode Output (Amps)	# 1 3.5	# 2 3.0	# 3 2.9	# 4 2.0	# 5 3.0
	# 6 3.8	# 7 3.3	# 8 2.5	# 9 3.1	# 10 2.9
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 11.8 V		Amps 11.5 A	Ohms 1.0 Ω	No. 8 C.P. Cable Used
					No. 2 C.P. Cable Used

Remarks: STATIC 600' E. = .90V Drilled To 280'. Hole set over weekend. Could NOT blow water out of hole. Drilled To 400'. Hole was wet enough To stop cuttings from coming out. HAD To START injecting. Could not get water sample. Drilled To 520'. NOT enough hole. Drilled To 655'. Logged 655'. INSTALLED 655' of 1" P.V.C. VENT Pipe, Perforated 320'.

Ditch & 1 cable = 220'

extra cable = 174'

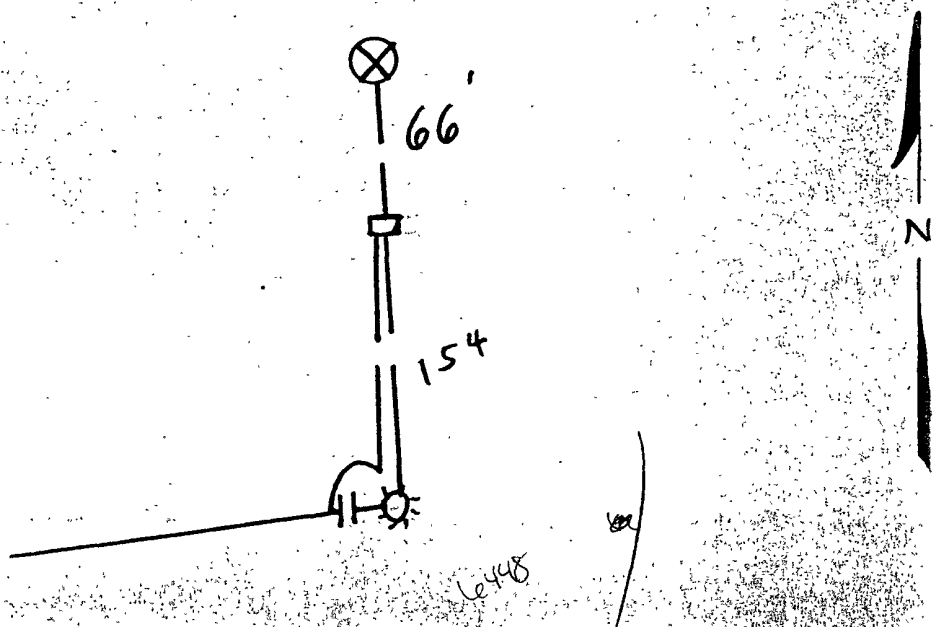
Hole Depth = +155'

Stub pole & 40V 16A Rect.

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

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

S.J. *29-7 *33A

CPS * 1399 W

SE 13-29-7

W.O. 57343-21

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

400 - .53	60 - .7
.56	.7
10 - .5	70 - .7
.5	.7
20 - 1.1 - ⑩	80 - .8
1.2	1.1 - ③
30 - 1.5 - ⑨	90 - 1.7
1.6	1.4 - ②
40 - 1.5 - ⑧	600 - 1.7
1.4	2.1 - ①
50 - 1.5 - ⑦	10 - .7
1.8	.6
60 - 1.6 - ⑥	20 - .7
1.6	.9
70 - 1.4 - ⑤	30 - 1.5 1.4
1.0	1.5
80 - .8	40 - 1.7
.8	.9
90 - .8	50 - .8
.8	.8
500 - .8	T.D.
.8	
10 - .8	
.8	
20 - .7	
.7	
30 - .6	
.7	
40 - 1.0 - ④	
.9	
50 - .8	
.7	

Drilled To 280' Hole set over weekend could not blow water out of hole drilled to 400' Hole was wet enough to stop cuttings from coming out, had to start cjecting, could not get water sample drilled to 520' logged 515' needed 40 more ST of shale. Drilled To 655' logged 655' installed 655' of 1" P.V.C. vent pipe, Perforate 320'

9/18/79

11.8 V. 11.5 A. = 1.0 Ω

1 - 605 - 2.2 - 3.5
2 - 595 - 1.5 - 3.0
3 - 585 - 1.8 - 2.9
4 - 540 - 1.2 - 2.0
5 - 470 - 1.5 - 3.0
6 - 460 - 1.6 - 3.8
7 - 450 - 1.9 - 3.3
8 - 440 - 1.5 - 2.5
9 - 430 - 1.8 - 3.1
10 - 420 - 1.3 - 2.9

20 Wm