

#25A 30-039-22183

E

#84E 30-039-23683

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. 3 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #25A, #84E

cps 1592

Elevation 6629' Completion Date 7/8/81 Total Depth 500' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. 180' & 220' ~~SAMPLE TAKEN~~Depths gas encountered: N/AType & amount of coke breeze used: 6000 lbs.Depths anodes placed: 445', 435', 385', 375', 365', 355', 295', 285', 275', 220'Depths vent pipes placed: 498'Vent pipe perforations: 340'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.

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 3

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 7/8/81

Well Name <u>S.J. 27-5 #25 A</u>		Location <u>NN 3-27-5</u>		CPS No. <u>1592 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57892-21-50-20</u>	
Anode Hole Depth <u>500' T.D. 498'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>445'</u>	# 2 <u>435'</u>	# 3 <u>385'</u>	# 4 <u>375'</u>	# 5 <u>365'</u>	# 6 <u>355'</u>
# 7 <u>295'</u>	# 8 <u>285'</u>	# 9 <u>275'</u>	# 10 <u>220'</u>		
Anode Output (Amps)					
# 1 <u>4.33</u>	# 2 <u>4.76</u>	# 3 <u>4.33</u>	# 4 <u>4.10</u>	# 5 <u>4.72</u>	# 6 <u>4.25</u>
# 7 <u>3.34</u>	# 8 <u>2.53</u>	# 9 <u>2.58</u>	# 10 <u>3.87</u>		
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 <u>12.17</u>	Amps <u>19.4</u>	Ohms <u>.63</u>			

Remarks: STATIC 600 W = .79V UNIONS ARE OK. DRILLER SAID WATER AT 170'
APPROX. 1 GAL./MIN. DRILLED TO 180' BLEW WATER SAMPLE OUT OF HOLE
NEXT A.M. WATER STANDING AT 170'. HIT MORE WATER AT 220'. APPROX.
5 GAL./MIN. DRILLED TO 500' LOGGED 498' INSTALLED 498' of 1"
P.V.C. VENT PIPE. PERFORATED 340'.
COKE BROOZE WAS HAULED IN BULK. EST. HOLE TOOK 6000 LB.

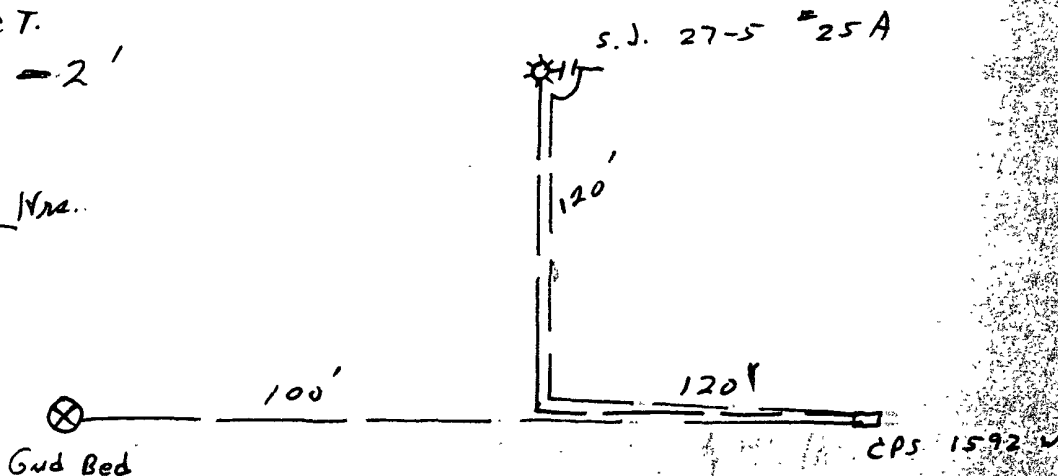
All Construction Completed

(Signature)
(Signature)

GROUND BED LAYOUT SKETCH

Ditch & 1 cable — 340'
EXTRA cable — 380'
1-25' meter Loop Pole
1- 40V/6A Rect.
Hole Depth. — 2'

	Reg.	O.T.	Wre.
7/8/81	8	4	



DISTRIBUTION:

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

CPS-1592-W

S.J. 27-5th 25A

NW 3-27-5

W.O. 57892-21-50-20

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

170 -

310 - .6

+80 - .9

Driller SAID WATER AT 170'
Approx. 1 GAL/min. Drilled To 180'.

80 -

20 - .3

90 - 1.4

Blew WATER SAMPLE out of
Hole next A.M. Hit more WATER
1.5 AT 220' Approx. 5 GAL/min.

90 -

350 - .3

500 - Driller

Drilled To 500' Logged 498'.

200 - 1.3

40 - .4

T.P. 498'

INSTALLED 498' of 1" P.V.C. VERT
Pipe Perforated 340'.

1.1

.4

10 - .6

50 - .6

.9

1.2 - ⑥

20 - 1.5 - ⑩

60 - 1.2

1.3

1.4 - ⑤

30 - 1.2

70 - 1.4

1.0

1.4 - ④

40 - .6

80 - 1.2

.5

1.1 - ③

50 - .4

90 - .8

.4

.9

60 - .6

400 - .9

.5

.7

70 - .9

10 - .7

1.1 - ③

.3

80 - 1.0

20 - .3

1.0 - ⑧

.3

90 - 1.0

30 - 1.1

1.2 - ②

1.4 - ③

300 - 1.0

40 - 1.3

.7

1.2 - ①

50 - .9

90 - .9

.9

.7

60 - .7

70 - .8

.7

.9

70 - .8

.9

.9

1 = 445 - 2.0 - 4.33

2 = 435 - 2.25 - 4.26

3 = 385 - 1.65 - 4.33

4 = 375 - 2.07 - 4.10

5 = 365 - 2.2 - 4.22

6 = 355 - 1.6 - 4.25

7 = 295 - 2.0 - 3.34

8 = 285 - 1.5 - 2.53

9 = 275 - 1.6 - 2.58

10 = 220 - 2.4 - 3.87

12.17 ✓ 19.4 A = 1.63 Ω

7/8/81

JL

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

Analysis No. 1-10245 Date 7-15-81
Operator EPNG Well Name SJ 27-5 #25A 170 ft. CPS 1592W
Location NW 3-27-5 County Rio Aribba State New Mexico
Field Blanco Formation _____
Sampled From _____
Date Sampled 7-8-81 By J. E. Stotts
Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____
Sodium 573 ppm 24.9 epm Chloride 28 ppm .8 epm
Calcium 11 ppm .6 epm Bicarbonate 544 ppm 8.9 epm
Magnesium 4 ppm .3 epm Sulfate 750 ppm 15.6 epm
Iron Absent Carbonate 16 ppm .5 epm
H₂S Absent Hydroxide 0 ppm 0 epm
cc: R. A. Ullrich Total Solids Dissolved 2032
E. R. Paulek
J. W. McCarthy pH 8.8
J. D. Evans
W. B. Shropshire Sp. Gr. 1.0046 At _____ 60°F
D. C. Adams
File Resistivity 385 ohm-cm at _____ 75°F
Hole making approx. 1 gal/min.
(220' approx. 5 gal/min.) Debbie Dinetslaw RZE
Chemist

