

#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 TAKENDepths 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

(2" x 60" Duration)

Well Name <u>S.J. 27-5 #25A 842</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 120'
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 Breeze WAS HAULED in Bulk. EST. Hole TOOK 6000 LB.

Ditch & 1 cable — 340'

EXTRA cable — 380'

1-25' meter Loop Pole

1- 40V/6A Rect.

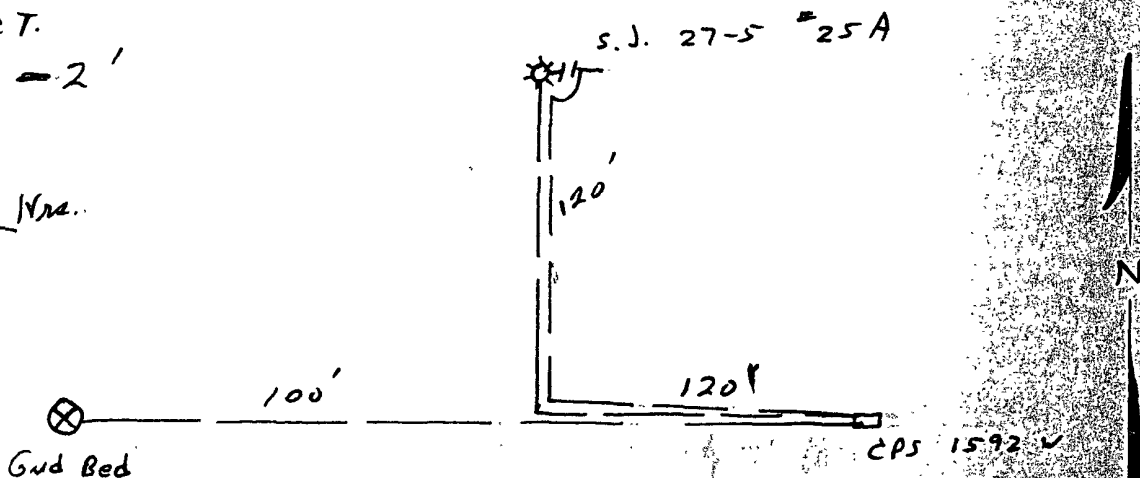
Hole Depth. — 2'

All Construction Completed

(Signature)
(Signature)

GROUND BED LAYOUT SKETCH

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



DISTRIBUTION:

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

S.J. 27-5^{25A} CPS-1592-W
NW 3-27-5

W.O. 57892-21-50-20

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 ² 9.64
42.08	C3 ² 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

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

90 -

30 - .3

500 - Driller

1.5 AT 220' Approx. 5 GAL./Min.

Drilled To 500' Logged 498'

Installed 498' of 1" P.V.C. vent

Pipe Perforated 340'

200 - 1.3

40 - .4

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

+00 - .9

.5

.7

70 - .9

0 - .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

.9

60 - .7

.7

70 - .8

.8

.7

70 - .8

.8

.9

1 = 445 - 2.0 - 4.33

2 = 435 - 2.25 - 4.76

3 = 385 - 1.65 - 4.33

4 = 375 - 2.07 - 4.10

5 = 365 - 2.2 - 4.72

6 = 355 - 1.8 - 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

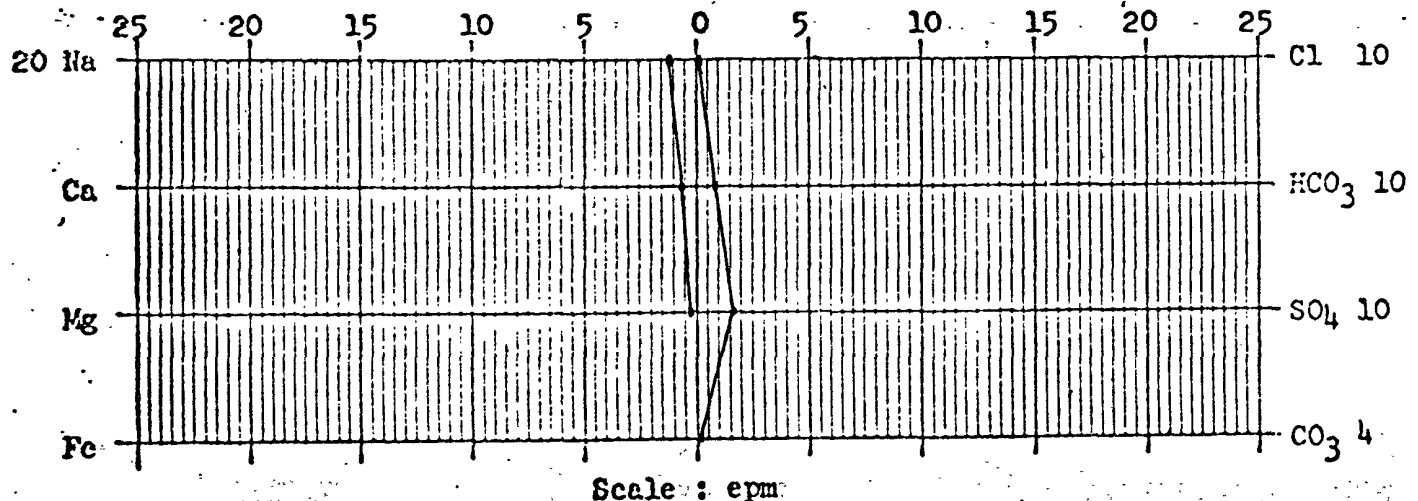
12.17 V 19.4 A = 63 Ω

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 pH 8.8
J. W. McCarthy
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



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

JS 27-5 # 25A

CPS-1592-W

LEASE: JS 27-5 # 25A WELL NO.: 25A CONTRACTOR: Stacy Dackling RIG NO.: 2 REPORT NO.: 1981 DATE: July 8 1981
MORNING: DAYLIGHT EVENING: 1

MORNING				EVENING			
Total Men In Crew				Total Men In Crew			
Driller	TO	FORMATION	WT-BIT	Driller	TO	FORMATION	WT-BIT
FROM				FROM			

BIT NO.	NO. DC		SIZE		LENG.	
	NO. DC	SIZE	STANDS	SINGLES	DOWN ON KELLY	TOTAL DEPTH
AL NO.						
SIZE						
TYPE						
MAKE						

MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED	
Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.

TIME BREAKDOWN		TIME BREAKDOWN	
FROM	TO	FROM	TO
170	210	360	410
210	220	410	440
220	240	440	460
240	280	460	500
280	310		
310	360		

REMARKS -		REMARKS -	
Water 170 feet approx 1 gal Min			
Water 220 approx 5 gal Min			
Drill 500 TD-490			

SIGNED: Toolpusher _____ Company Supervisor Stacy Dackling