

1254

97A-30-039-21878

E

172-30-039-20608

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. 35 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #97A, #172

cps 1511w

Elevation 6333' Completion Date 6/5/80 Total Depth 310' 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. 80' SAMPLE TAKEN

Depths gas encountered: N/A

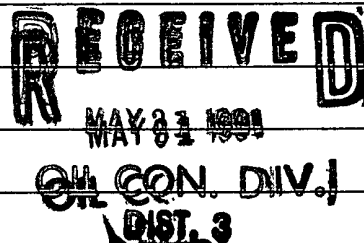
Type & amount of coke breeze used: 35 SACKS

Depths anodes placed: 270', 260', 250', 240', 230', 220', 210', 190', 180', 170'

Depths vent pipes placed: 300'

Vent pipe perforations: 240'

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). ☐

Completion Date 6/5/80

Well Name <u>S.J. 28-6 #97A</u>		Location <u>SE 35-28-6</u>		CPS No. <u>1511 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57558-21</u> <u>55470-21</u>	
Anode Hole Depth <u>310' T.D. 303'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>35 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>270'</u>	# 2 <u>260'</u>	# 3 <u>250'</u>	# 4 <u>240'</u>	# 5 <u>230'</u>	# 6 <u>220'</u>
# 7 <u>210'</u>	# 8 <u>190'</u>	# 9 <u>180'</u>	# 10 <u>170'</u>		
Anode Output (Amps)					
# 1 <u>2.4</u>	# 2 <u>2.3</u>	# 3 <u>2.2</u>	# 4 <u>2.6</u>	# 5 <u>2.4</u>	# 6 <u>2.1</u>
# 7 <u>2.5</u>	# 8 <u>2.8</u>	# 9 <u>2.4</u>	# 10 <u>2.4</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					
Volts <u>11.4</u>	Amps <u>13.4</u>	Ohms <u>.85 Ω</u>	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used	

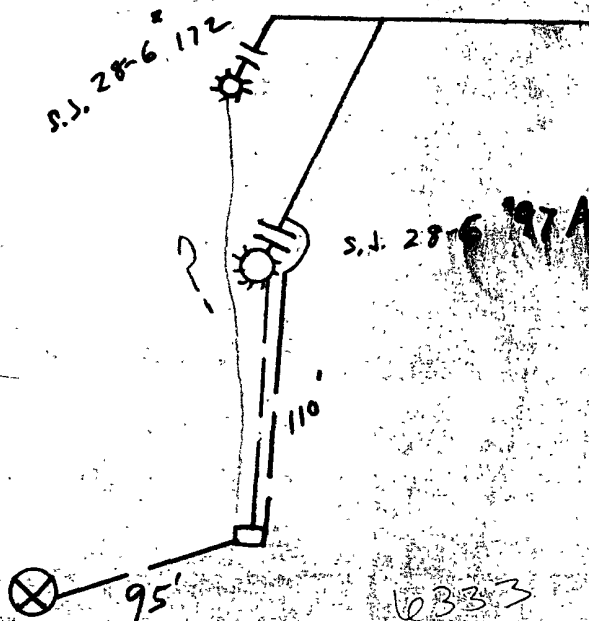
Remarks: STATIC ON 28-6 #97A 600' E. = .85V. '28-6'172 HAS A
BOND BOX #199B ON IT. DRILLED TO 80'. DRILLER SAID WATER AT 75'.
APPROX. 5 GAL/MIN. WATER STANDING IN HOLE NEXT A.M. AT 65'.
TOOK WATER SAMPLE. DRILLED TO 310'. LOGGED 303'. INSTALLED
300' OF 1" P.V.C. VENT PIPE, PERFORATED 240'.

INSULATED UNION OK ON BOTH LOCATIONS

W.O. 57558-21-5 Nm Reg. 2 Nm
55470-21-5 Nm Reg. 1 Nm. C
All Construction Completed

DITCH & 1 CABLE = 205'
EXTRA CABLE = 130'
20' METER LOOP POLE
60V 30A RECT.
HOLE DEPTH. - 197'

GROUND BED LAYOUT SKETCH



(Signature)
(Signature)

~~JCT Box, Rect., Pole,~~
~~AND CABLE ARE NOT~~
~~INSTALLED ON THIS~~
~~LOCATION. Complete~~

DISTRIBUTION:

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

7-3-80

El Paso Natural Gas Company
ENGINEERING CALCULATION

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

28-6 #97A
28-6 #172

CPS 1511 W
SE 35-28-6

W.O. 57558-21
55470-21

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

70 -

80 - 1.6

Drilled To 80' Driller said
WATER AT 75' Approx. 5 gal./min.
WATER standing in Hole Next
A.M. AT 65'. Took WATER sample.
Drilled To 310'. Logged 303'
INSTALLED 300' of 1" P.V.C.,
VENT pipe perforated 240'.

80 -

90 - 1.7
1.9

90 -

1.0
300 -
303 - T.D.

100 -

310 - Drilled To

10 -

20 -

30 -

40 -

50 -

60 -

11.4V 13.4A = 1.85 Ω

6/5/80
JL

70 - 2.1

70 - 1.8 - ⑩

80 - 1.7

80 - 1.6 - ⑨

90 - 1.5

90 - 2.0 - ⑧

200 - 1.2

200 - 1.4

1.8

1.9 - ⑦

20 - 1.5

20 - 1.6 - ⑥

1.9

30 - 1.9 - ⑤

2.0

40 - 1.8 - ④

1.4

50 - 1.5 - ③

1.6

60 - 1.8 - ②

2.0

70 - 1.7 - ①

1.6

1 - 270 - 1.6 - 2.4
2 - 260 - 1.7 - 2.3
3 - 250 - 1.8 - 2.0
4 - 240 - 1.9 - 2.6
5 - 230 - 1.9 - 2.4
6 - 220 - 1.6 - 2.1
7 - 210 - 1.9 - 2.5
8 - 190 - 2.0 - 2.8
9 - 180 - 1.7 - 2.4
10 - 170 - 1.8 - 2.4

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

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

Analysis No. 1-9915 Date 6-23-80

Operator El Paso Natural Gas Well Name San Juan 28-6 #97A

Location SE 35-28-6 County Rio Arriba State New Mexico

Field Blanco Formation _____

Sampled From 75 foot depth CPS

Date Sampled 6-5-80 By _____

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

	ppm	epm		ppm	epm
Sodium	<u>1265</u>	<u>55</u>	Chloride	<u>10</u>	<u>.3</u>
Calcium	<u>272</u>	<u>14</u>	Bicarbonate	<u>331</u>	<u>5</u>
Magnesium	<u>21</u>	<u>2</u>	Sulfate	<u>3160</u>	<u>66</u>
Iron	<u>No test</u>		Carbonate	<u>0</u>	<u>0</u>
H ₂ S	<u>Absent</u>		Hydroxide	<u>0</u>	<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

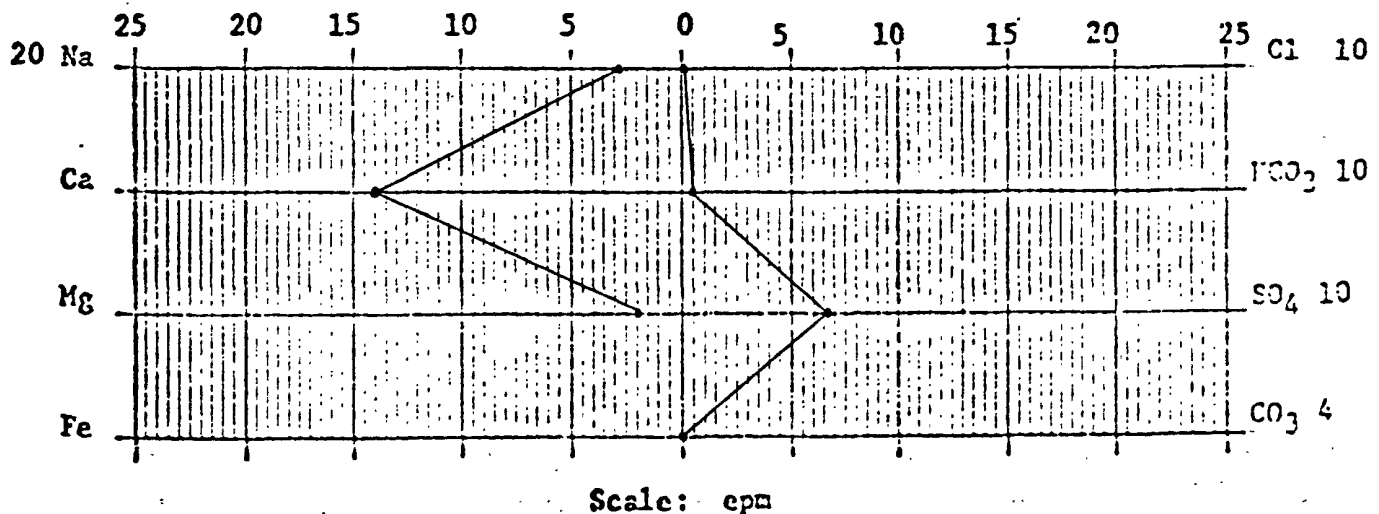
Total Solids Dissolved 4766

pH 7.6

Sp. Gr. 1.0057 At 60°F

Resistivity 170 ohm-cm at 77°F

Deborah Renetala
Chemist RZE



DAILY DRILLING REPORT

LEASE

Company Supervisor

SIGNED: Toolpusher

Brian, Surge