

999

#80 30-039-07130

E

#161 30-039-20398

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

Operator MERIDIAN OIL Location: Unit NE Sec. 12 Twp 27 Rng 6
Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #80, #161
cps 1294w
Elevation 6423 Completion Date 9/22/78 Total Depth 260' 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' & 120' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: 30 SACKS
Depths anodes placed: 226', 218', 210', 202', 194', 186', 178', 170', 140', 130'
Depths vent pipes placed: 240'
Vent pipe perforations: 180'
Remarks: gb #1

RECEIVED
MAY 31 1991
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). ☐

Completion Date 9-22-78

Well Name <u>S. J. 28-6 #80</u> <u>#161</u>		Location <u>NE12-27-6</u>		CPS No. <u>1294W</u>	
Type & Size Bit Used <u>63/4</u>		Contract # <u>2</u>		Work Order No. <u>#80=53565-19</u> <u>#161=54899-19</u>	
Anode Hole Depth <u>260-250</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	#1 <u>226</u>	#2 <u>218</u>	#3 <u>210</u>	#4 <u>202</u>	#5 <u>194</u>
Anode Output (Amps)	#1 <u>3.5</u>	#2 <u>4.9</u>	#3 <u>4.5</u>	#4 <u>3.8</u>	#5 <u>2.8</u>
Anode Depth	#6 <u>186</u>	#7 <u>178</u>	#8 <u>170</u>	#9 <u>140</u>	#10 <u>130</u>
Anode Output (Amps)	#6 <u>2.9</u>	#7 <u>3.0</u>	#8 <u>2.2</u>	#9 <u>2.9</u>	#10 <u>2.0</u>
Anode Depth	#11	#12	#13	#14	#15
Anode Output (Amps)	#11	#12	#13	#14	#15
Total Circuit Resistance	Volts <u>11.9</u>		Amps <u>14.3</u>		Ohms <u>.83</u>
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: Static #80 600'w = 0.78. Static #161 600'w = 0.76.

DRILLER SAID DAMP @ 60'. SOME WATER @ 80'. MORE WATER @ 120'. 6-8 GAL. PER MIN. PER FORATED 180' OF 1" PVC VENT PIPE. INSTALLED 240' OF 1" PVC VENT P. SLURRED 30 SACKS OF COKE. FIRST 8 ANODES SPACED 8' APART.
60V 30 A Rectifier. Hole Depth = -250 1 1/2" X 60" Duriron
20' Meter Pole. Extra Cable = ~~258~~ 333
Ditch 31 cable = ~~499~~ 477

All Construction Completed

W. J. Lott

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6423

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

S.J. 28-6 # 80
S.J. 28-6 # 161

NE 12-27-6 1294W

53565-19
54899-19

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

STATIC #80 600' W = 0.78
STATIC #161 600' W = 0.96DRILLER SAID WENT @ 60' STARTED MAKING
WATER @ 80'. DRILLED TO 120'. NEXT A.M.
WATER STANDING @ 85'.
6-8 GALS PER MIN
INSTALLED 240' OF 1" PVC VENT PIPE
PERFORATED 180' OF 1" PVC VENT PIPE
SLURRIED 30 SACKS OF CEMENT

80	1.3	60	DRILLED
	1.3		
90	1.3	70	
	1.0		
100	.5	80	

	.5		
10	.5	90	
	.6		
20	.7	300	
	.7		

30	.9		
	1.4		
40	1.4		
	.4		
50	.4		

	.5		
60	.6		
	.6		
70	1.5		
	2.0		

80	1.9		
	1.8		
90	1.8		
	1.9		
200	2.4		

	2.5		
10	2.9		
	2.7		
20	2.8		
	1.9		

30	1.3		
	.9		
40	.7		
	.6		
50	.6	T.D	

60V 30A Rectifier
20' Meter Pole
Hole Depth = -250'
Ditch & Cable = 499'
EXTRA CABLE = 258'

①	226	-2.8	3.5
②	218	-3.4	4.9
③	210	-3.4	4.5
④	202	-2.9	3.8
⑤	194	1.9	2.8
⑥	186	2.2	2.9
⑦	178	2.3	3.0
⑧	170	1.5	2.2
⑨	140	1.9	2.9
⑩	130	1.0	2.0

Volts = 11.9
Amps = 14.3
ohms = .83

170 -
8 -
162 -
78 -
84 -
8 -
174 -
8 -
166 -
5 -
161 -
5 -
156 -
218 -
8 -
226 -

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

Analysis No. 1-9365 Date 11-8-78

Operator EPNG Well Name SAN JUAN 28-6 ^{#80}₁₆₁

Location NE 12-27-6 County RIO ARriba State NM

Field Formation

Sampled From C.P.S. 1294 W WTR @ 80'; 120' 6-8 GPM

Date Sampled By

Tbg. Press. <u> </u>	Csg. Press. <u> </u>	Surface Csg. Press. <u> </u>	
ppm	epm	ppm	epm

Sodium <u>1196</u>	52	Chloride <u>50</u>	1
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Calcium <u>67</u>	3	Bicarbonate <u>464</u>	8
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Magnesium <u>12</u>	1	Sulfate <u>2250</u>	47
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Iron <u>PRESENT</u>		Carbonate <u>0</u>	0
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	0
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

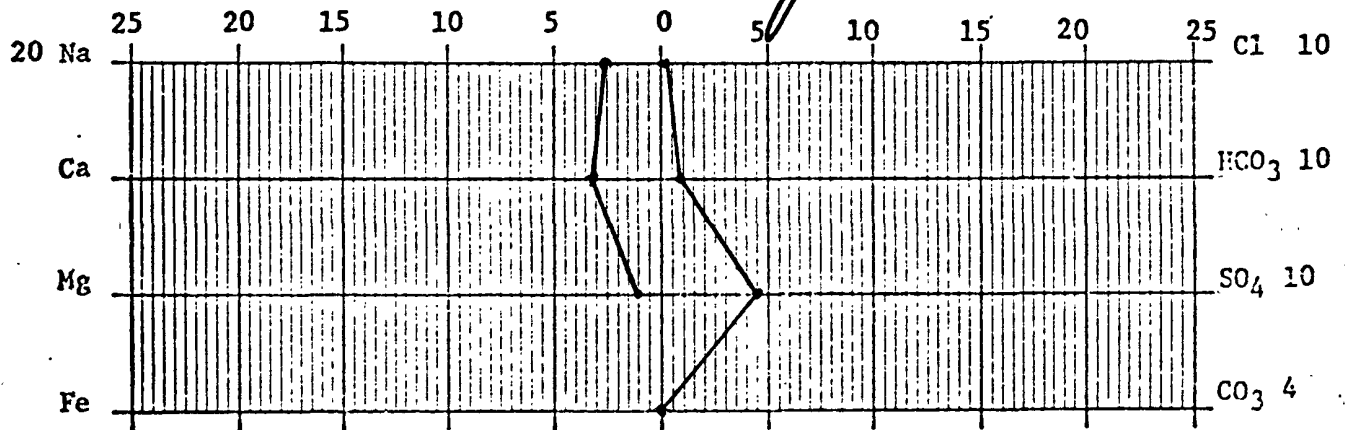
Total Solids Dissolved 3490

pH 7.6

Sp. Gr. 1.0037 at 60°F

Resistivity 230 ohm-cm at 73 °F

Joe Barnett RZE
Chemist



Scale: epm

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

____ Company Supervisor