

1813

30-045-23124

E

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. 28 Twp 31 Rng 9

Name of Well/Wells or Pipeline Serviced SHEETS #1A

cps 1455w

Elevation 6131' Completion Date 7/31/79 Total Depth 320' 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. 50' & 247' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 45 SACKS

Depths anodes placed: 255', 245', 235', 155', 145', 135', 125', 115', 105', 95'

Depths vent pipes placed: 320'

Vent pipe perforations: 280'

Remarks: gb #1

RECEIVED
MAY 31 1981
OIL CON. DIV.
DIST. 2

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

Completion Date 7-31-79

Well Name Sheets # 1-A		Location SE 28-31-9		CPS No. 1455W	
Type & Size Bit Used 6 3/4		10-2" x 60" DURIRO		Work Order No. 57317-21	
Anode Hole Depth ^{Lapped} 320 - 320		Total Drilling Rig Time		Coke Used 45 SACKS	
				Lost Circulation Mat'l Used 0	
				No. Sacks Mud Used 0	
Anode Depth					
# 1	255	# 2	245	# 3	235
# 4	155	# 5	145	# 6	135
# 7	125	# 8	115	# 9	105
# 10	95				
Anode Output (Amps)					
# 1	4.6	# 2	4.7	# 3	4.1
# 4	4.0	# 5	4.3	# 6	5.1
# 7	5.4	# 8	5.6	# 9	5.5
# 10	5.3				
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	
Volts 11.8		Amps 17.4		Ohms 0.68	
				No. 2 C.P. Cable Used	

Remarks: Static 600'w = 0.87. Driller said water @ 50'. Drilled to 190' next A.M. water standing @ 50'. More water @ 247'. 50 GALS PER MIN. Installed 320' of 1" PVC vent Pipe. Perforated 280' of 1" PVC vent Pipe slurred 45 SACKS of COKE.

HOU 16A Rectifier. EXTRA cable = 220'

Stub Pole Ditch 1 cable = 286'

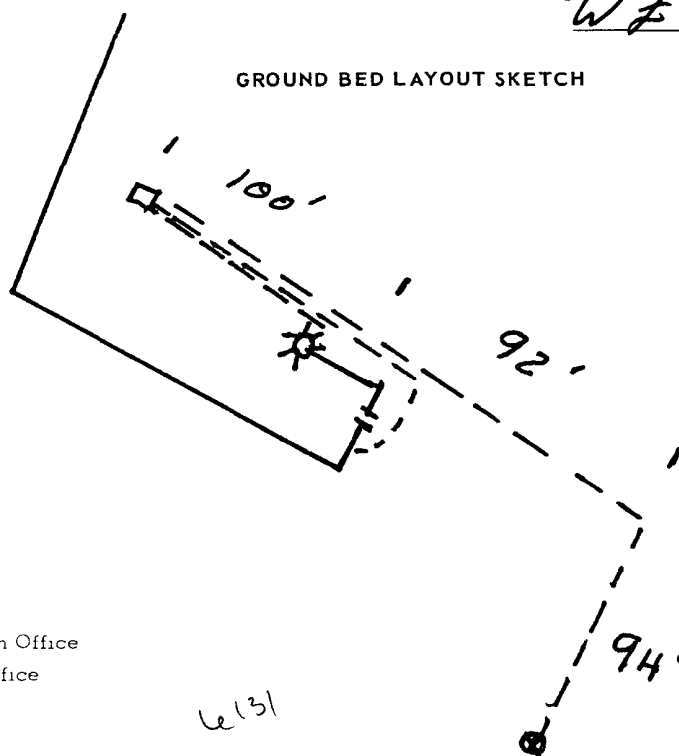
Hole credit = -180'

All Construction Completed

W Z Lutz

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6131

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 7-31-79 of 1
Date: 7-31-79
By: VF LORC
File: _____

Sheets # 1-A

1455W

SE 28-31-9

57317-21

Contract #2

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 600' W=0.87
40016A Rectifier
Stub Pole
Hole Credit = -180

Extra Cable = 220'
Ditch Cable = 280'
10-2" x 60" Duriron

Driller said water @ 50'. Drilled
to 190' next a.m. water standing
@ 50'. 50 GALS PER MIN. ^{MORE}
Installed 320' of 1" PVC vent pipe
Perforated 280' of 1" PVC vent pipe
Shipped 45 sacks of coke.

50	10	.7
		1.2
60 2.3	20	.7
2.1		1.0
70 2.1	30	1.3
2.0	③	1.9
80 2.2	40	2.1
2.3	②	2.1
90 2.3	50	2.3
⑩ 2.4	①	1.9
100 2.3	60	.9
⑨ 2.3		1.1
10 2.5	70	1.1
⑧ 2.5		1.2
20 2.2	80	1.1
⑦ 2.4		1.0
30 2.3	90	1.0
⑥ 2.3		1.0
40 2.2	3.00	1.0
⑤ 2.1		1.0
50 1.9	10	1.0
④ 1.9		1.0
60 1.6	20	
1.4		
70 1.3	30	
1.0		
80 .8		
.8		
90 .8		
.9		
200 .8		
.7		

7-31-79 10 HAS

①	255	2.6	4.6
②	245	2.6	4.7
③	235	2.5	4.1
④	155	2.5	4.0
⑤	145	2.5	4.3
⑥	135	3.0	5.1
⑦	125	3.4	5.4
⑧	115	3.8	5.6
⑨	105	3.5	5.5
⑩	95	3.7	5.3

TPS Drilled

volts 11.8
amps 17.4
ohms 0.68

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

Analysis No. 1-9676 Date 8-14-79

Operator EPNG Well Name SHEETZ #1A

Location SE 28-31-9 County SAN JUAN State NEW MEXICO

Field Formation

Sampled From CPS 1455W 50'

Date Sampled By

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

Sodium <u>552</u>	24	Chloride <u>32</u>	1
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Calcium <u>200</u>	10	Bicarbonate <u>190</u>	3
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Magnesium <u>12</u>	1	Sulfate <u>1500</u>	31
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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 2838

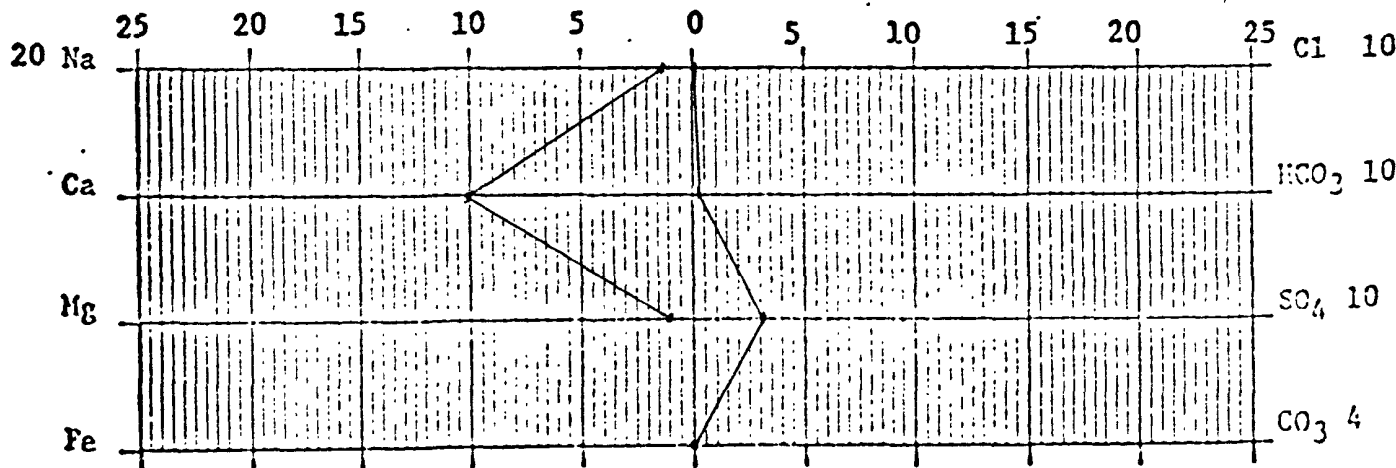
pH 7.9

Sp. Gr. 1.0039 at 60°F

Resistivity 300 ohm-cm at 75 °F

C. B. O'Nan

Chemist
Chemist



Scale: epm