

1008

#81 30-039-07107 E

#182 30-039-20618

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

Operator MERIDIAN OIL Location: Unit SW Sec. 12 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #81, #182

CPS 1295w

Elevation 6454' Completion Date 8/24/78 Total Depth 440' 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. 140', 355', 380' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 50 SACKS

Depths anodes placed: 375', 365', 315', 305', 295', 270', 260', 250', 240', 230'

Depths vent pipes placed: 400'

Vent pipe perforations: 300'

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.

Completion Date 8-24-78

Remarks: STATIC #81 600' NE = 0.77. STATIC #182 600' NE = 0.77. DRILLER SAID DAMP @ 100'. STARTED MAKING WATER @ 140'. STARTED INJ. @ 150' MORE WATER @ 355 & 380'. TOTAL OF 50 GALS PER MIN. PERFORATED 300' OF 1" PVC VENT PIPE. INSTALLED 400' OF 1" PVC VENT PIPE. SLURRIED 50 SACKS OF COKE BREZZE

60V 3A Rectification stub Pole

Hole Depth = -70'

Ditch 1 cable = 597'

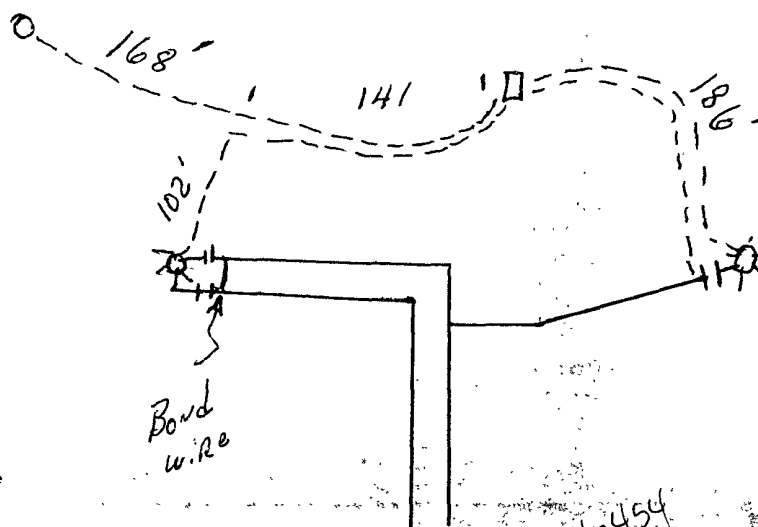
EXTRA CABLE = 327'

All Construction Completed

W L Luth

(Signature)

GROUND BED LAYOUT SKETCH



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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1

Date: 12/27/66

By: [Signature]

File: 54899-19

S.J. 28-6#81
S.J. 28-6#182

SW12-27-6

1295W

53566-19

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 # 81 600' NE = 0.77
Static # 182 600' NE = 0.77

DRILLER SAID DUMP @ 100'. STARTED MAKING
WATER @ 140'. MAKING MORE WATER @ 355 & 380'
50 GALS PER MIN TOTAL
PERSONATED 300' OF 1" PVC VENT PIPE
+ INSTALLED 400' OF 1" PVC VENT PIPE
SLURRYED 50 SACKS OF COKE BREEZE

140 .4	10 1.6	
.4	1.3	③
50 .5	20 1.3	
.6	.9	
60 .7	30 .6	
.7	.4	
70 .6	40 .4	
.6	.7	
80 .6	50 .6	
.9	.5	
90 1.4	60 1.3	
1.3	1.3	②
200 .7	70 1.4	
.5	1.7	①
10 .4	80 .5	
.4	.4	
20 .7	90 .5	
1.6	.6	
30 1.9 ⑩	400 .9	
1.8	.7	
40 1.7 ⑨	10 .4	
1.5	.5	
50 1.6 ⑧	20 .5	
1.5	.5	
60 1.9 ⑦	30 .5	TD
2.2		
70 1.8 ⑥	40	Drilled
2.0		
80 1.6		
1.1		
90 1.2		
1.5 ⑤		
300 1.6		
1.4 ④		

60V 30A Rectifier
Stub Pole

Hole Depth = -70'
Ditch Cable = 597'
Extra Cable = 327'

①	345	2.2	4.2
②	365	1.8	4.1
③	315	1.7	3.0
④	305	1.8	3.3
⑤	295	2.3	4.1
⑥	270	2.9	4.7
⑦	260	3.2	5.3
⑧	250	2.2	4.0
⑨	240	2.1	3.5
⑩	230	2.5	4.2

VOLTS = 11.6
AMPS = 18.1
OHMS = 0.64

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

Analysis No. 1-9326 Date 9-15-78

Operator EPNG Well Name San Juan 28-6 #81 & #182

Location 12-27-6 County _____ State NM

Field _____ Formation ANODE BED

Sampled From 4295W WTR @ 140' 355' & 380" 50 GPM

Date Sampled _____ By _____

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

ppm	epm	ppm	epm
Sodium <u>1175</u>	<u>51</u>	Chloride <u>60</u>	<u>1.7</u>

Calcium <u>48</u>	<u>2.4</u>	Bicarbonate <u>625</u>	<u>10</u>
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Magnesium <u>3</u>	<u>0.3</u>	Sulfate <u>2000</u>	<u>42</u>
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Iron <u>PRESENT</u>		Carbonate <u>0</u>	<u>0</u>
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	<u>0</u>
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cc: D.C. Adams
R.A. Ullrich

E.R. Paulek

J.W. McCarthy

A.M. Smith

W.B. Shropshire

File

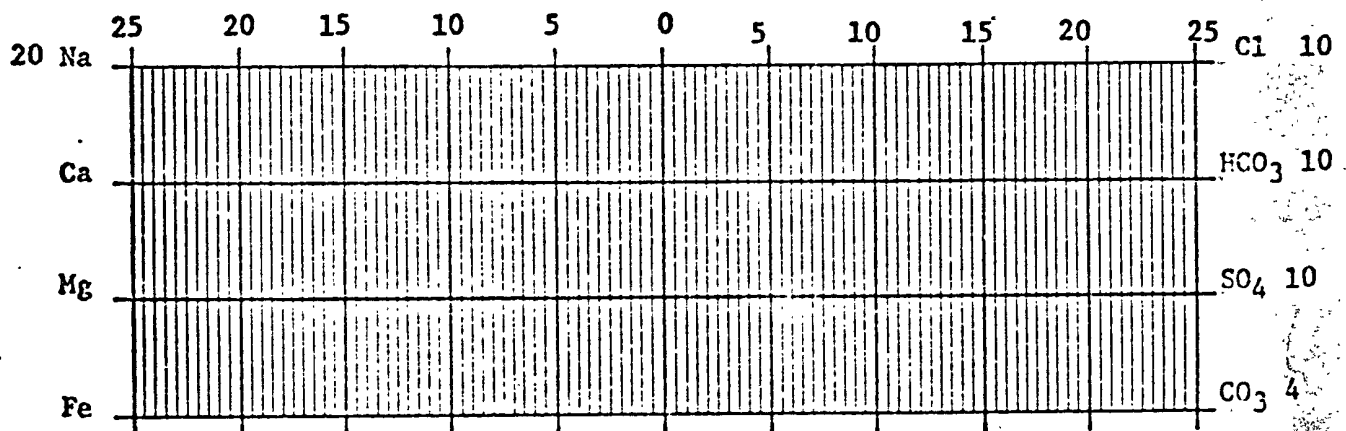
Total Solids Dissolved 2922

pH 8.2

Sp. Gr. 1.0042 at 60°F

Resistivity 290 ohm-cm at 72°F

R Z Ellsberry
Chemist



Scale: epm

DAILY DRILLING REPORT

LEASE 1295W			WELL NO. 1295W			CONTRACTOR O'Brian			RIG NO. 1			REPORT NO.			DATE Aug 24			19 28		
MORNING						DAYLIGHT						EVENING								
Driller		Total Men In Crew				Driller		Total Men In Crew				Driller		Total Men In Crew						
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.						
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.			
SERIAL NO.		STANDS				SERIAL NO.		STANDS				SERIAL NO.		STANDS						
SIZE		SINGLES				SIZE		SINGLES				SIZE		SINGLES						
TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY						
MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH						
MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED					
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.						
FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN						
0	25	Shale				185	195	Shale												
25	70	sandstone				195	220	sandstone												
70	95	shale				220	325	shale												
95	120	sandstone (Wet)				325	355	sandstone (Water)												
120	135	shale				355	375	shale												
135	185	sandstone				375	440	sandstone (Water)												
REMARKS -						REMARKS -						REMARKS -								
												Drilled 6 3/4 hole to 440								
												Logged to 430								
												Est water 50 g.p.m.								

SIGNED: Toolpusher

Butch Benoit

____ Company Supervisor