

1000

#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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 8-24-78

Well Name <u>S.J. 28-6 #81</u> <u>#182</u>		Location <u>SW 12-27-6</u>		CPS No. <u>1295W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>#81-53566-19</u> <u>#182-54899-19</u>	
Anode Hole Depth <u>440 - 430</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>375</u>	#2 <u>365</u>	#3 <u>315</u>	#4 <u>305</u>	#5 <u>295</u>	#6 <u>270</u>
#7 <u>260</u>	#8 <u>250</u>	#9 <u>240</u>	#10 <u>230</u>		
Anode Output (Amps)					
#1 <u>4.2</u>	#2 <u>4.1</u>	#3 <u>3.0</u>	#4 <u>3.3</u>	#5 <u>4.1</u>	#6 <u>4.7</u>
#7 <u>5.3</u>	#8 <u>4.0</u>	#9 <u>3.5</u>	#10 <u>4.2</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>11.6</u>	Amps <u>18.1</u>	Ohms <u>0.64</u>			

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. slurred 50
sacks of coke breeze

60V 3A Rectifier & stub Pole

Hole Depth = -70'

Ditch & 1 cable = 597'

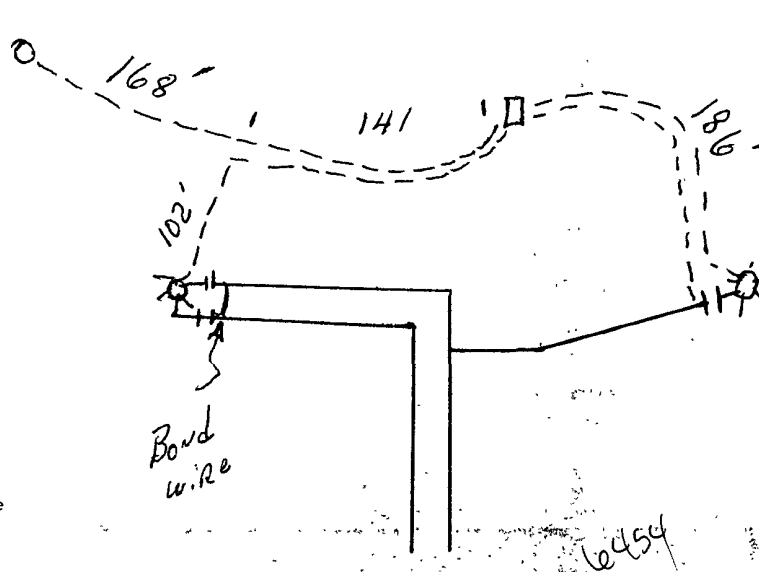
Extra cable = 327'

All Construction Completed

W. L. Lutz

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 101
Date: 10/2/77
By:
File:

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

SW13-27-6

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 PUMP @ 100' STARTED MAKING
WATER @ 140' MAKING MORE WATER @ 355 & 380'
50 GALS PER MIN TOTAL
PERFORATED 300' OF 1" PVC VENT PIPE
+ INSTALLED 400' OF 1" PVC VENT PIPE
SHIPPED 50 SACKS OF COKE BRICKE

140.4	10	1.3	③
.4		1.3	
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	
90.14	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	

60V 30A Posttension
Stub Pole

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

40 1.7 ⑦	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			

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 A295W WTR @ 140' 355' & 380" 50 GPM

Date Sampled By

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

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

epm	ppm
Calcium <u>48</u>	Bicarbonate <u>625</u>

epm	ppm
Magnesium <u>3</u>	Sulfate <u>2000</u>

epm	ppm
Iron <u>PRESENT</u>	Carbonate <u>0</u>

epm	ppm
H ₂ S <u>ABSENT</u>	Hydroxide <u>0</u>

cc: D.C. Adams
R.A. Ullrich

E.R. Paulek

J.W. McCarthy

A.M. Smith

W.B. Shropshire

File

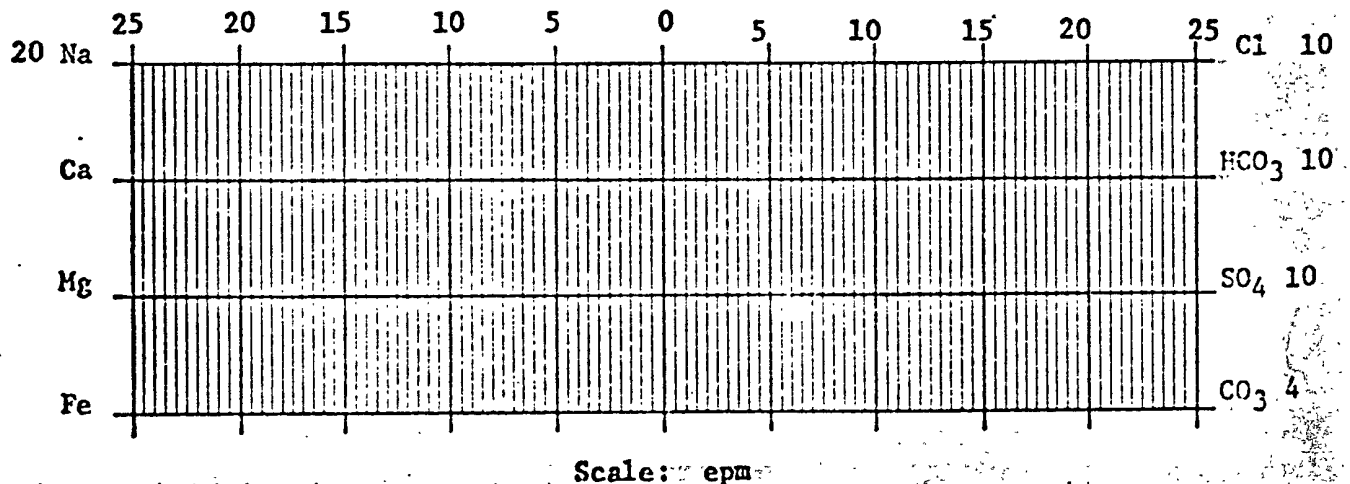
Total Solids Dissolved 2922

pH 8.2

Sp. Gr. 1.0042 at 60°F

Resistivity 290 ohm-cm at 72 °F

R Z Ellsbury
Chemist



DAILY DRILLING REPORT

LEASE **1295 W** WELL NO. **1295W** CONTRACTOR **O'Brian** RIG NO. **1** REPORT NO. **1** DATE **Aug 24** 19 **25**
MORNING DAYLIGHT EVENING

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.	
	STANDS	SINGLES	DOWN ON KELLY	TOTAL DEPTH	MAKE		STANDS	SINGLES	DOWN ON KELLY	TOTAL DEPTH	MAKE
SERIAL NO.						SERIAL NO.					
SIZE						SIZE					
TYPE						TYPE					
MAKE						MAKE					

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

TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN			
FROM	TO			FROM	TO			FROM	TO			FROM	TO		
0	25		Shale	185	195		Shale								
25	30		Sandstone	195	220		Sandstone								
30	35		Shale	220	325		Shale								
35	40		Sandstone (Wet)	325	355		Sandstone (Water)								
40	45		Shale	355	375		Shale								
45	50		Sandstone	375	440		Sandstone (Water)								

REMARKS -

Drilled 6 3/4 hole to 440
Logged to 430
Cased water 50 g.p.m.

SIGNED: Toolpusher **Butch Benoit** Company Supervisor