

2778

#181 30-039-20668

E

#196 30-039-20985

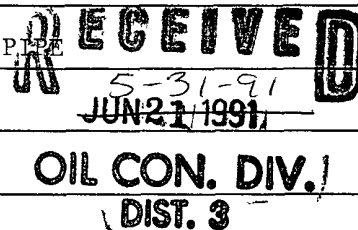
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 14 Twp 27 Rng 6Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #181, #196

cps 1298w

Elevation 6485' Completion Date 8/30/78 Total Depth 480' Land Type N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf 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. 220' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 53 SACKSDepths anodes placed: 435', 290', 280', 270', 260', 250', 230', 220', 210', 200'Depths vent pipes placed: 440' OF 1" PVC VENT PIPEVent pipe perforations: 300'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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date **8-30-78**

Well Name S.J. 28-6 #181 #196		Location NE 14-27-6		CPS No. 1298W	
Type & Size Bit Used 6 3/4"				Work Order No. 55479-21	
Anode Hole Depth 480 - 470	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 435	#2 290	#3 280	#4 270	#5 260	#6 250
#7 230	#8 220	#9 210	#10 200		
Anode Output (Amps)					
#1 2.1	#2 2.6	#3 2.6	#4 2.7	#5 2.2	#6 2.7
#7 2.3	#8 2.4	#9 3.2	#10 3.8		
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 11.9	Amps 12.5	Ohms 0.95			

Remarks: **Static #181 600' NW = 0.78. Static #196 600' NW = 0.76**

DRILLER SAID WATER @ 200'. DRILLED TO 220' NEXT AM WATER @ 185'
PERFORATED 300' OF 1" PVC VENT PIPE. INSTALLED H40' OF 1" PVC VENT PIPE
SLURRIED 53 SACKS OF COKE

GRD BED MAKING 30 GALS PER MIN OF WATER

60-30
HOT 16 A Rectifier

1 1/2" X 60" Duriron

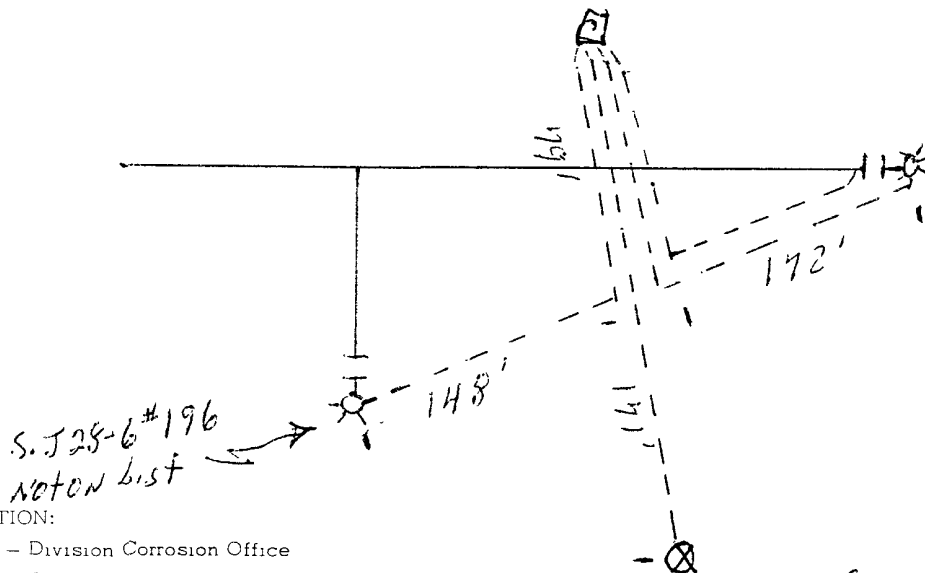
20' Meter Pole
Hole Depth = -30
Ditch & 1 Cable = 570'
EXTRA CABLE = 237'

All Construction Completed

W Z Lutz

(Signature)

GROUND BED LAYOUT SKETCH



S.J. 28-6 #196
NOT ON LIST

DISTRIBUTION:

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

6485

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 4 of 4

Date: 11/1/77

By: J. L. Smith

File: 55479-21

S.J. 28-6 # 181
S.J. 28-6 # 196 PC

NE 14-27-6

1298W

55479-21

Static 600' NW = 0.78 # 181
Static 600' NW = 0.70 # 196DRILLER SAID WATER @ 200 DRILLED TO
220' NEXT AM WATER STANDING @ 185'
30 GALS PER MIN

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

PERFORATED 300' 0.5" PVC VENT PIPE
INSTALLED 440' 0.5" PVC VENT PIPE
SLURRIED 53 SACKS OF COKE

180	.5	50	.5	.5
90	.5	60	.5	.5
200	1.4	70	.4	.4
200	2.3	70	.4	.4
10	2.4	80	.5	.5
20	1.4	90	.5	.5
30	1.1	1.3	4.00	.4
40	.6	.7	10	.4
50	.7	.7	20	.6
60	.9	1.0	30	.9
70	.8	1.0	40	.5
80	1.1	1.3	50	.8
90	1.1	1.3	60	1.0
100	.5	.5	70	.5
10	.5	.5	80	.5
20	.7	.8	90	.5
30	.5	.6	100	.5
40	.6	.6	110	.5
50	.6	.6	120	.5
60	.6	.6	130	.5
70	.6	.6	140	.5
80	.6	.6	150	.5
90	.6	.6	160	.5
100	.6	.6	170	.5
110	.6	.6	180	.5
120	.6	.6	190	.5
130	.6	.6	200	.5

60V 30A RECTIFIER
20' MOTOR POLE
Hole Depth = -30DITCH CABLE = 570'
EXTRA CABLE = 232'

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

①	435	1.1	2.1
②	290	1.2	2.6
③	280	1.5	2.6
④	270	1.7	2.7
⑤	260	1.1	2.2
⑥	250	1.6	2.7
⑦	240	1.3	2.3
⑧	230	1.4	2.4
⑨	220	2.4	3.7
⑩	200	2.3	3.8

Volts = 11.9
Amps = 12.5
OHMS = 0.95

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

Analysis No. 1-9342 Date SEPTEMBER 19, 1978

Operator EPNG Well Name SAN JUAN 28-6 #181 5196

Location NE 14-27-6 County RIO ARRIBA State NM

Field Formation

Sampled From CPS 1298W WTR @ 200' 30 GPM

Date Sampled By TD 435'

Tbg. Press.	Csg. Press.	Surface Csg. Press.
ppm	epm	ppm epm
Sodium <u>368</u>	<u>16</u>	Chloride <u>7</u> <u>.2</u>
Calcium <u>9</u>	<u>.5</u>	Bicarbonate <u>576</u> <u>9.4</u>
Magnesium <u>1</u>	<u>.1</u>	Sulfate <u>325</u> <u>6.8</u>
Iron <u>PRESENT</u>		Carbonate <u>5</u> <u>0.2</u>
H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u> <u>0</u>

cc: D.C. Adams
R.A. Ullrich
~~W.D. Denson~~
~~J.E. Ashworth~~
J.W. McCarthy
~~A.M. Smith~~
W.B. Shropshire
File
E R Pavlek

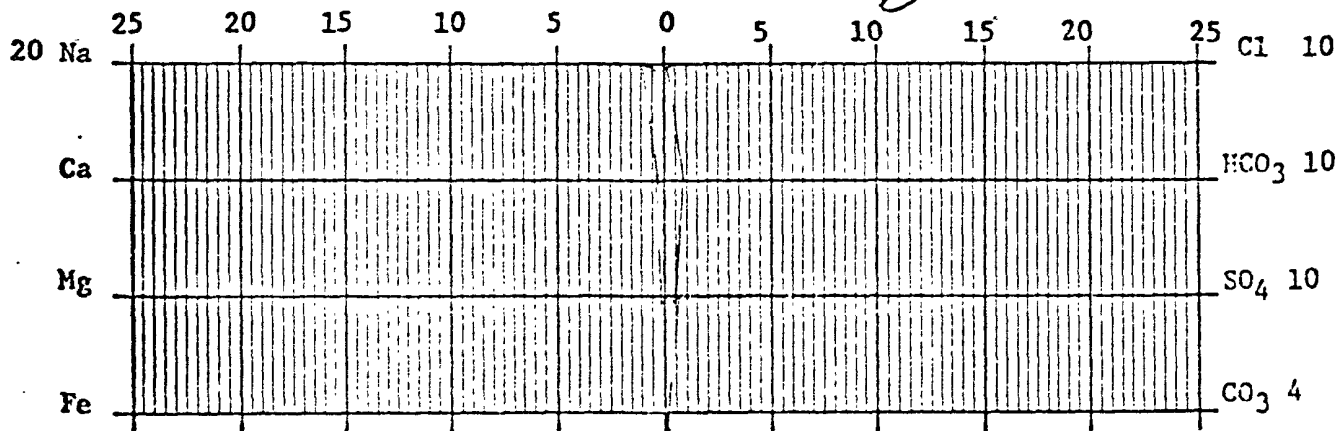
Total Solids Dissolved 536

pH 8.75

Sp. Gr. 1.0020 at 60°F

Resistivity 740 ohm-cm at 71 °F

Allen James
Chemist



Scale: epm

DAILY DRILLING REPORT

129820

LEASE

WELL NO. **1298W** CONTRACTOR

05177

RIG NO.

REPORT NO.

2

DATE **Feb 30**

1982

[illegible][illegible]

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	16	Stundstone	215	230	Stundstone			
16	32	Shale	230	235	Shale			
32	38	Stundstone	235	250	Stundstone			
38	48	Shale	250	410	Very sandy shale			
48	200	Stundstone	410	430	Sdy shale			
200	215	Shale	430	710	Stundstone			

REMARKS -

Drilled to 480 w/6 3/4
lost to 470
estimate water @ 50 gpm
water @ 185 overnite

SIGNED: Toolpusher

Love DS-wait

- Company Supervisor