

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 6

Name 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/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. 220' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 53 SACKS

Depths anodes placed: 435', 290', 280', 270', 260', 250', 230', 220', 210', 200'

Depths vent pipes placed: 440' OF 1" PVC VENT PIPE

Vent pipe perforations: 300'

Remarks: gb #1

RECEIVED
5-31-91
JUN 21 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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto): ☐

Completion Date 8-30-78

Well Name <u>S.J. 28-6 #181</u> <u>#196</u>		Location <u>NE 14-27-6</u>		CPS No. <u>1298W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>55479-21</u>	
Anode Hole Depth <u>635'cd</u> <u>480 - 420</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>435</u>	#2 <u>290</u>	#3 <u>280</u>	#4 <u>270</u>	#5 <u>260</u>	#6 <u>250</u>
#7 <u>230</u>	#8 <u>220</u>	#9 <u>210</u>	#10 <u>200</u>		
Anode Output (Amps)					
#1 <u>2.1</u>	#2 <u>2.6</u>	#3 <u>2.6</u>	#4 <u>2.7</u>	#5 <u>2.2</u>	#6 <u>2.7</u>
#7 <u>2.3</u>	#8 <u>2.4</u>	#9 <u>3.7</u>	#10 <u>3.8</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>11.9</u>	Amps <u>12.5</u>	Ohms <u>0.95</u>			

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 440' OF 1" PVC VENT PIPE

SLURRIED 53 SACKS OF COKE

GRD BED MAKING 30 GALS PER MIN OF WATER

60-30
HOU 16A Rectifier

1 1/2" X 60" Duriron

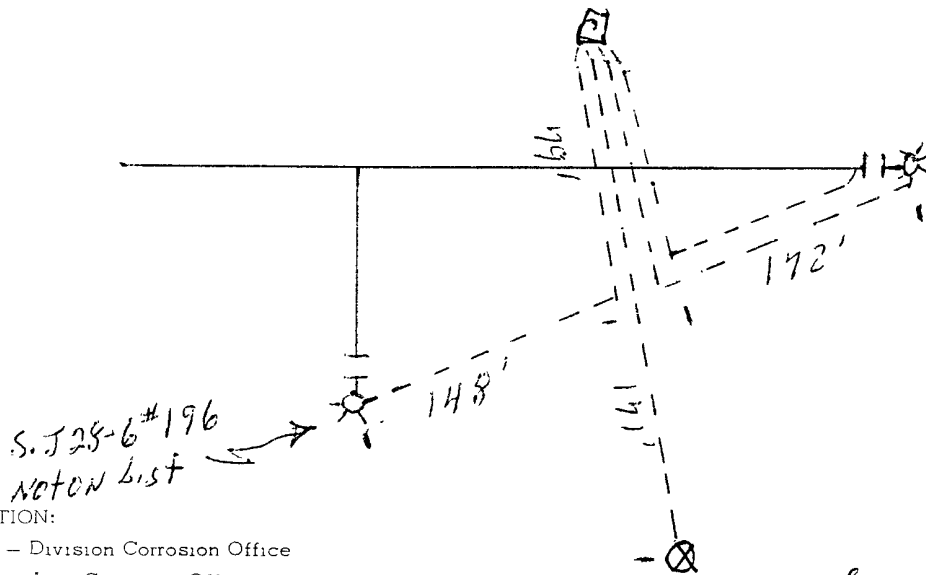
20' Motor Pole
Hole Depth = -30
Ditch & 1 Cable = 570'
EXTRA CABLE = 237'

All Construction Completed

W Z Luth

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6485

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 01
Date: 11/2/77
By: [Signature]
File: [Signature]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 9.84
42.08	C ₃ 9.67

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

⑩

⑨

⑧

⑦

⑥

⑤

④

③

②

①

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

60V 30A RECT, 5, 0.1A
20' MOTOR POLE
Hole Depth = -30'DITCH 1' CABLE = 5.20'
EXTRA CABLE = 2.31'

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	300	1.3	2.3
⑧	220	1.4	2.4
⑨	210	2.4	3.7
⑩	300	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' 30.6 PM

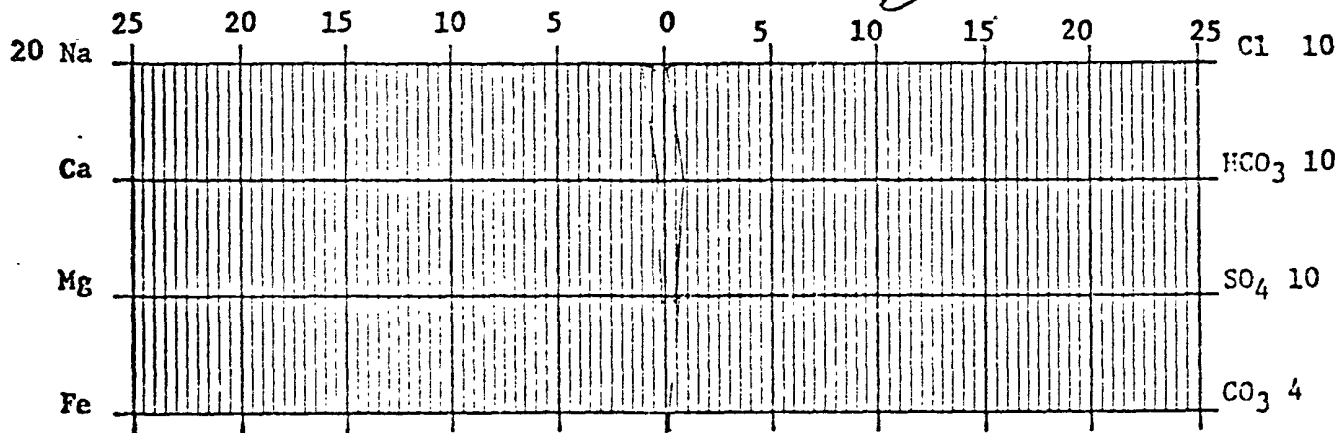
Date Sampled By TD 435'

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. Johnson~~
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

Blair L. Jones
Chemist



Scale: epm

12982

198

2. 5. 2011

[illegible]

TIME BREAKDOWN		TIME BREAKDOWN		TIME BREAKDOWN	
FROM	TO	FROM	TO	FROM	TO
0	16	215	230		
	Shale		Shale		
16	32	230	235		
	Shale		Shale		
32	38	235	235		
	Shale		Shale		
38	48	235	410		
	Shale		Shale		
48	200	410	450		
	Shale		Shale		
200	215	450	480		
	Shale		Shale		

REMARKS -

@185 over wife

Tom O'Swift

Company Supervisor