

4988

30-039 21688

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. 23 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #58A
cps 1373w

Elevation 6536' Completion Date 8/24/79 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. 190' & 280' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 5800 lbs.

Depths anodes placed: 400', 390', 320', 310', 300', 270', 260', 250', 240', 230'

Depths vent pipes placed: 420'

Vent pipe perforations: 240'

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

CONTRACT 2

Drilling Log (Attach Hereto) ☐

Completion Date 8-24-79

Well Name SAN JUAN 28-64.58A				Location SE 23-28-6				CPS No. 1373W	
Type & Size Bit Used 6 3/4"				2" X 60" DURIRON				Work Order No. 57390.21	
Anode Hole Depth 440 - 425TD		Total Drilling Rig Time		Total Lbs. Coke Used 5800		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9
	400	390	320	310	300	270	260	250	240
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9
	2.4	2.2	2.7	3.4	3.1	2.7	3.9	5.1	4.5
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19
Total Circuit Resistance	Volts 12.1		Amps 15.7		Ohms .77		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used

Remarks: ST % E = .80

WATER AT 190 FT AND 280 FT TOTAL WATER APPROX 10 GPM
DRILLED 440 FT LOGGED 425 FT INSTALLED 420 FT VENT
PIPE WITH 240 FT PERFORATED SLEAVED 58 SACKS
OF COKE

20 FT METER LOOP POLE
40V/6A RECT
DITCH + CABLE = 368'
EXTRA CABLE = 175'
Hole depth = -75'

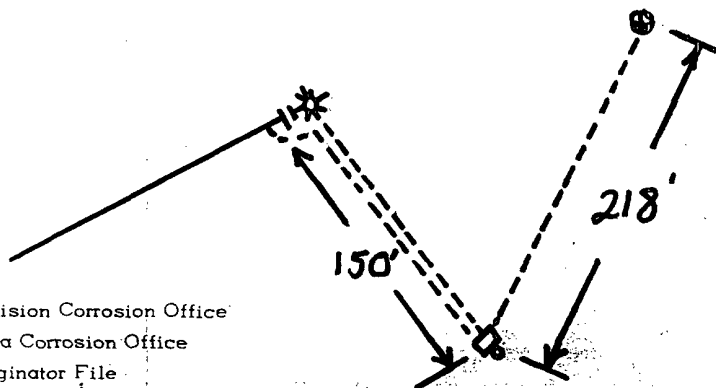
All Construction Completed

Robert J. Baker
(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: 1 of 1
Date: 8-24-79
By: RAB
File: 13730

1373W SE 23-28-6
SAN JUAN 28-6 #58A

8-24-79-10 hrs

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

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

190	7	390	1.4 - 2
5	1.0	5	1.4
200	1.3	400	1.2 - 1
5	1.6	5	1.0
10	2.2	10	1.0
5	1.9	5	1.0
20	1.3	20	
5	2.1	5	-TD
30	2.0 - 10	30	
5	2.2	5	
40	2.6 - 9	40	
5	2.6		
50	2.7 - 8		
5	2.0		
60	2.1 - 7		
5	1.4		
70	1.4 - 6		
5	.9		
80	.9		
5	1.0		
90	.8		
5	.9		
300	1.9 - 5		
5	1.9		
10	1.8 - 4		
5	1.8		
20	1.7 - 3		
5	1.4		
30	1.3		
5	1.3		
40	1.3		
5	1.3		
50	1.1		
5	1.0		
60	1.0		
5	1.0		
70	1.0		
5	1.0		
80	1.0		
5	1.1		

WATER AT 190 FT APPROX 10 GPM
DRILLED 440 FT LOGGED 425 FT
INSTALLED 4120 FT OF VENT PIPE
240 FT PERFORATED
SLURRIED 58 SACKS OF CEMENT

20 FT METER POLE
400 16A RECT
DITCH + CABLE = 368'
EXTRA CABLE = 175'
Hole depth = - 75'

① 400 - 1.4 - 2.4
② 390 - 1.4 - 2.2
③ 320 - 1.8 - 2.7
④ 310 - 1.9 - 3.4
⑤ 300 - 2.0 - 3.1
⑥ 270 - 1.5 - 2.7
⑦ 260 - 2.1 - 3.9
⑧ 250 - 3.0 - 5.1
⑨ 240 - 3.0 - 4.5
⑩ 230 - 2.6 - 3.5

$$12.1 \text{ V } 15.7 \text{ A} = .77 \text{ ohms}$$

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

Analysis No. 1-9746 Date 10-24-79

Operator EPNG Well Name San Juan 28-6 # 58 A

Location SE 23-28-6 County Rio Arriba State N.M.

Field _____ Formation _____

Sampled From 1973 W

Date Sampled _____ By _____

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press _____
ppm epm ppm epm

Sodium 412 18 Chloride 20 .6

Calcium 18 .9 Bicarbonate 195 3

Magnesium 10 .8 Sulfate 730 15

Iron Present 19 .6

H₂S Absent 0 0

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File
C. B. O'Nan

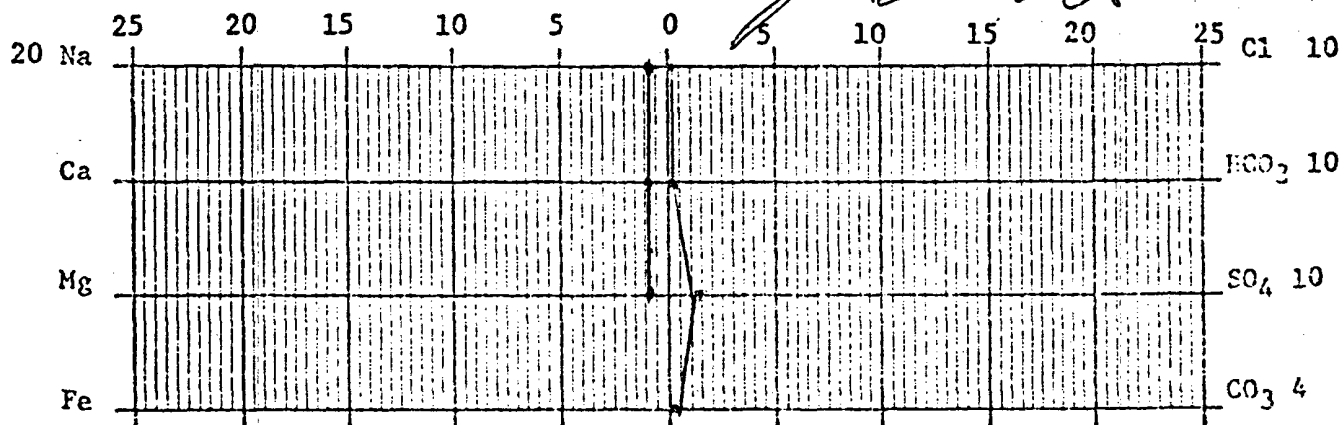
Total Solids Dissolved 1488

pH 8.0

Sp. Gr. 1.0016 at 60°F

Resistivity 444 ohm-cm at 77 °F

Geo. K. Anderson
Joe Barnett
Chemist *M/S*



Scale: epm

C.D.S. # 1343 W

SIGNED: Toolpusher O'Brien