

10/5

40-30-039-07189

E

133-30-039-20584

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. 4 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #40, #133

cps 128lw

Elevation 6278' Completion Date 9/14/78 Total Depth 340' 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. 55' & 90'

Depths gas encountered: N/A

Type & amount of coke breeze used: 42 SACKS

Depths anodes placed: 290', 280', 270', 260', 245', 230', 215', 200', 185', 170'

Depths vent pipes placed: 300'

Vent pipe perforations: 260'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. ?

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 9-14-78

Well Name SAN JUAN 28-6 #40 + #133				Location NE 4-27-6				CPS No. 1281 W				
Type & Size Bit Used 6 3/4				Contract # CONTRACT #2				Work Order No. 52632.19 + 20661.19				
Anode Hole Depth 340-327		Total Drilling Rig Time		Total Lbs. Coke Used 42 sacks		Lost Circulation Mat'l Used		No. Sacks Mud Used				
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10		
	290	280	270	260	245	230	215	200	185	170		
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10		
	2.6	2.7	2.5	3.3	3.2	3.5	3.0	3.2	3.5	3.2		
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	Volts 11.9				Amps 15.4				Ohms .77			
No. 8 C.P. Cable Used						No. 2 C.P. Cable Used						

Remarks: STATIC C/S #40 600'S = .88 #133 600'S E = .76

1606' Ditch and cable - 460' EXTRA

Good WATER AT 90' MAKING APPROX 35 GPM INSTALLED
300 FT OF PVC PIPE WITH 260 FT OF PERFORATION
SLURRED 42 SACKS OF COKE 1 1/2" X 60" Duriron

Hole Depth - 173 FT

60 V 30 A Rect

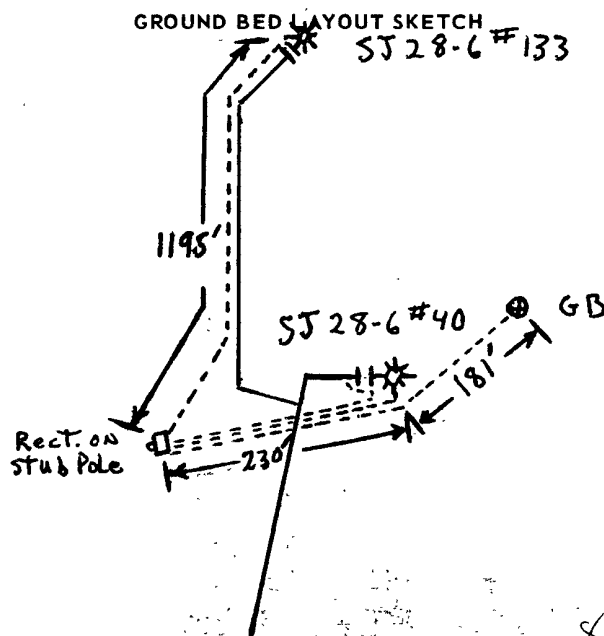
DITCH + cable = 1606 FT

STUB POLE

All Construction Completed

EXTRA cable = 460 FT

Robert J. Balmick
(Signature)



DISTRIBUTION:

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

6278

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 9-14-77
By: RLB
File: 1281W1281W
55 28-6 #40
55 28-6 #133

Ne 4-28-6

52632.19
20661.19

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

50	.3	250	1.9
60	.6	260	1.9 -
70	.5	270	1.8 -
80	.7	280	1.6 -
90	1.0	290	1.6 -
100	.6	300	1.3
110	.5	310	1.0
120	1.0	320	.8
130	.7	330	.7
140	.6	340	
150	.7		
160	.7		
170	1.1		
180	1.7		
190	2.2		
200	1.9		
210	1.7		
220	1.7		
230	2.1		
240	2.1		
	2.0		

DRILLER SAID WATER AT 55'
+ Big WATER AT 90'
DRILLED 340' Logged
325' 327' + D
INSTALLED 300' OF VENT
Pipe - Perforated 260'
WATER APPROX 35 GPM
Hole - 500' - 327' = 173' CR
60030A Rect
STUB POLE

1-290 - 1.8 - 2.6
2-280 - 1.8 - 2.7
3-270 - 1.7 - 2.5
4-260 - 2.2 - 3.3
5-245 - 2.1 - 3.2
6-230 - 2.3 - 3.5
7-215 - 1.9 - 3.0
8-200 - 2.1 - 3.2
9-185 - 2.3 - 3.5
10-170 - 1.9 - 3.2

TOTAL 15.4A @ 11.9V
• 77 ohms

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

Analysis No. 1-9352 Date 11-8-78

Operator _____ Well Name San Juan 28-6 #40 & 133

Location NE 4-28-6 County Rio Arriba State NM

Field _____ Formation _____

Sampled From C.P.S. 1281 W

Date Sampled _____ By _____

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

Sodium <u>447</u>	Chloride <u>17</u>	
19	0.5	

Calcium <u>24</u>	Bicarbonate <u>527</u>	
1	9	

Magnesium <u>1</u>	Sulfate <u>560</u>	
0.1	12	

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

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

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

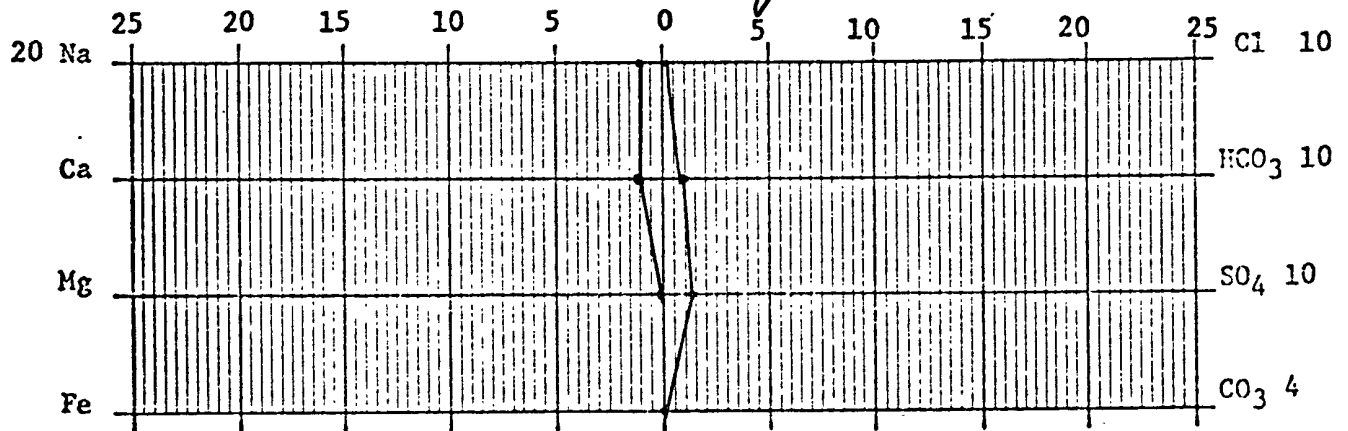
Total Solids Dissolved 1542

pH 8.5

Sp. Gr. 1.0020 at 60°F

Resistivity 640 ohm-cm at 71 °F

Joe Barnett
Chemist RZE



Scale: epm

DAILY DRILLING REPORT

[illegible]

Company Supervisor