

1260

#61A 30-039-21859 E

#78E 30-039-22428

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. 5 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #61A, #78E
cps 1545w

Elevation 6681' Completion Date 6/4/80 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. 80' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 35 SACKS

Depths anodes placed: 290', 280', 235', 210', 200', 190', 180', 170', 150', 135'

Depths vent pipes placed: 325'

Vent pipe perforations: 245'

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 6-4-80

Well Name <u>SJ 27-5 # 61A</u>		Location <u>SE 5-27-5</u>		CPS No. <u>1545 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57593-21</u>	
Anode Hole Depth <u>340'</u> <u>logged 325'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>35 Sacks</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>290</u>	# 2 <u>280</u>	# 3 <u>235</u>	# 4 <u>210</u>	# 5 <u>200</u>	# 6 <u>190</u>
# 7 <u>180</u>	# 8 <u>170</u>	# 9 <u>150</u>	# 10 <u>135</u>		
Anode Output (Amps)					
# 1 <u>3.6</u>	# 2 <u>3.0</u>	# 3 <u>2.6</u>	# 4 <u>3.6</u>	# 5 <u>4.0</u>	# 6 <u>5.0</u>
# 7 <u>4.0</u>	# 8 <u>3.2</u>	# 9 <u>3.5</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>11.0</u>	Amps <u>18.8</u>	Ohms <u>.6</u>			

Remarks: Static 600' S = .88, INSULATED UNION - NOT TIED IN
DRILLER SAID HIT WATER AT 80'. GOT Sample. INSTALLED
325' of 1" VENT PIPE. PERFORATED 245' of VENT PIPE

Nothing INSTALLED

1 20' Meter Pole

1 40V 16A RECT

1 Jct. Box

Ditch + 1 cable - 490'

EXTRA cable - 185'

Hole - 75"

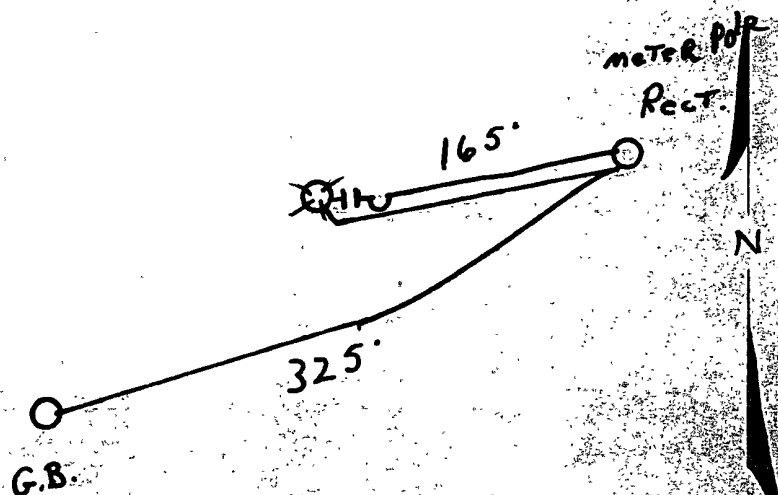
Time - 8 hrs Reg.

3" O.T.

All Construction Completed

Willis Knight Jr
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: of
Date: 6-4-81
By: WK
File: 11 hrs.S S 27-5 # 61A
S E 5-27-5
CPS 1545-W
W/O 57593-21STATIC 600'S = .88
INSULATED UNION Well NOT Tied IN

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

1 20' METER Pole
1 40V 16A Rect
DITCH & 1 cable
EXTRA cable
Hole - 75'DRILLER Said HIT WATER
AT 80' GOT WATER SAMPLE
DRILLED TO 340' LOGGED 325'
INSTALLED 325' OF 1" VENT PIPE
PERFORATED 245' OF VENT PIPE
STORRYED 35 SACK OF COKE
Breeze

80	1.0	255	.50
85	.95	260	.60
90	.90	265	.50
95	.75	270	1.1
100	.80	275	1.3
105	1.0	280	1.4 ②
110	1.10	285	1.5
115	1.50	290	1.7 ①
120	1.40	295	1.0
125	1.50	300	1.70
130	1.80	305	.7
135	2.05 ①	310	.8
140	1.95	315	1.0
145	1.75	320	.5
150	2.00 ①	325	logged
155	1.40	330	
160	1.25	335	
165	1.50	340	T D
170	1.90 ⑧		
175	1.50		
180	2.0 ⑦		
185	2.3		
190	2.2 ⑥		
195	2.1		
200	2.0 ⑤		
205	1.95		
210	2.0 ④		
215	1.2		
220	.80		
225	1.10		
230	1.5		
235	1.4 ③		
240	1.25		
245	1.0		
250	.50		

① 290	2.4	3.6
② 280	1.9	3.0
③ 235	1.7	2.6
④ 210	2.4	3.6
⑤ 200	2.6	4.0
⑥ 190	3.0	5.0
⑦ 180	2.5	4.0
⑧ 170	2.1	3.2
⑨ 150	2.3	3.5
⑩ 135	2.5	3.8

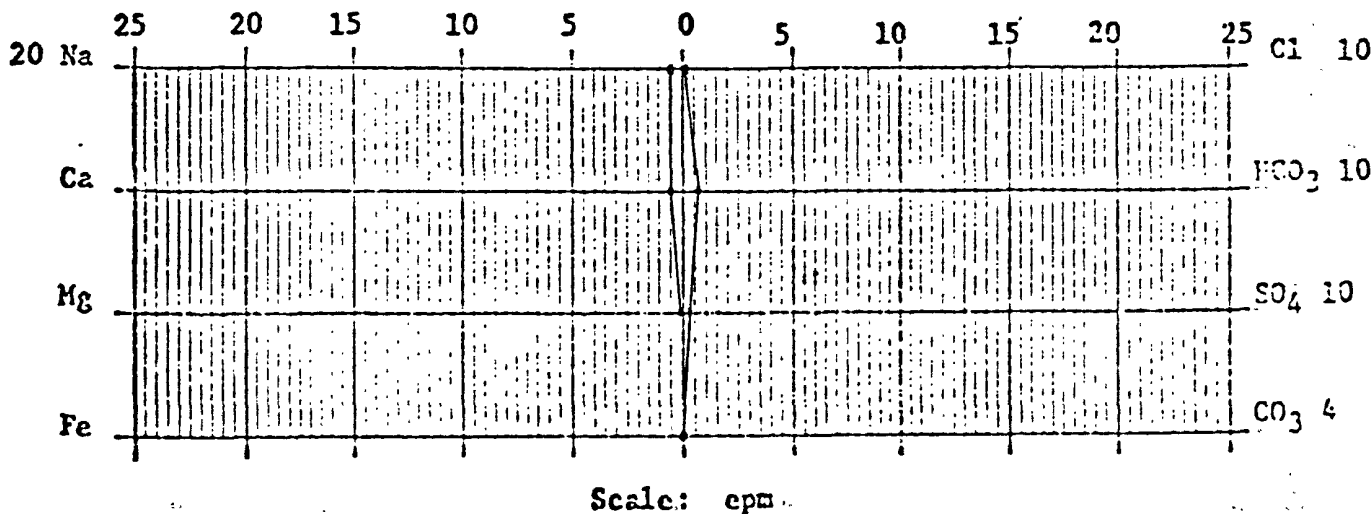
11.0 V 18.8 A 1.60 n

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

Analysis No. 1-9916 Date 6-23-80
Operator El Paso Natural Gas Well Name San Juan 27-5 #61A
Location SE 5-27-5 County Rio Arriba State New Mexico
Field Blanco Formation Mesa Verde
Sampled From CPS #1545 W
Date Sampled 6-4-80 By Willis Knight
Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____
Sodium 207 ppm 9 epm Chloride 30 ppm .9 epm
Calcium 10 ppm .5 epm Bicarbonate 390 ppm 6 epm
Magnesium 1 ppm .1 epm Sulfate 132 ppm 3 epm
Iron No test ppm Carbonate 0 ppm 0 epm
H₂S Absent ppm Hydroxide 0 ppm 0 epm
cc: C.B. O'Nan Total Solids Dissolved 692 ppm
R.A. Ullrich pH 8.2
E.R. Paulek
J.W. McCarthy
A.M. Smith Sp. Gr. 1.0042 At 60°F
W.B. Shropshire Resistivity 909 ohm-cm at 77°F
D.C. Adams
File

Deborah R. Rietland
Chemist

RZE



San Juan 27-5

61A

Three C Drilling
CONTRACTOR

2

CPS-1545-W

DAILY DRILLING REPORT

LEASE SE 3-27-5

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO. 57593 - DATE 6-4

1980

[illegible]

SIGNED: Toolpusher

Kevin Burge

____ Company Supervisor