

1014

75-30-039-07153

115-30-039-07169

E

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

Operator ME IDIAN OIL Location: Unit SW Sec. 3 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #75, #115

cps 1280w

Elevation 6247 Completion Date 9/15/78 Total Depth 320' 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. 35' & 90' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 41 SACKS

Depths anodes placed: 265', 255', 205', 190', 180', 165', 155', 130', 70', 55'

Depths vent pipes placed: 280'

Vent pipe perforations: 260'

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 9-15-78

Well Name <u>SAN JUAN 28-6 #75 + #115</u>		Location <u>SW 3-27-6</u>		CPS No. <u>1280 W</u>	
Type & Size Bit Used <u>6 3/4</u>		Contract # <u>CONTRACT #2</u>		Work Order No. <u>40181.19 - 20501.19</u>	
Anode Hole Depth <u>320-308</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>41 sacks</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>265</u>	# 2 <u>255</u>	# 3 <u>205</u>	# 4 <u>190</u>	# 5 <u>180</u>	# 6 <u>165</u>
# 7 <u>155</u>	# 8 <u>130</u>	# 9 <u>70</u>	# 10 <u>55</u>		
Anode Output (Amps)					
# 1 <u>3.1</u>	# 2 <u>3.0</u>	# 3 <u>3.8</u>	# 4 <u>3.7</u>	# 5 <u>3.4</u>	# 6 <u>3.4</u>
# 7 <u>3.3</u>	# 8 <u>3.2</u>	# 9 <u>3.0</u>	# 10 <u>3.6</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>16.7</u>	Ohms <u>.71</u>			

Remarks: STATIC #75 600' SE = .76 #115 600' E = .79

WATER AT 35' (56 PM) WATER STANDING 35' NEXT MORNING WATER AGAIN AT 90' TOTAL WATER APPROX 30 P.M. INSTALLED 280' PVC VENT PIPE PERFORATED 260'. SLURRIED 41 SACKS OF COKE. 1 1/2" X 60" Duxiron

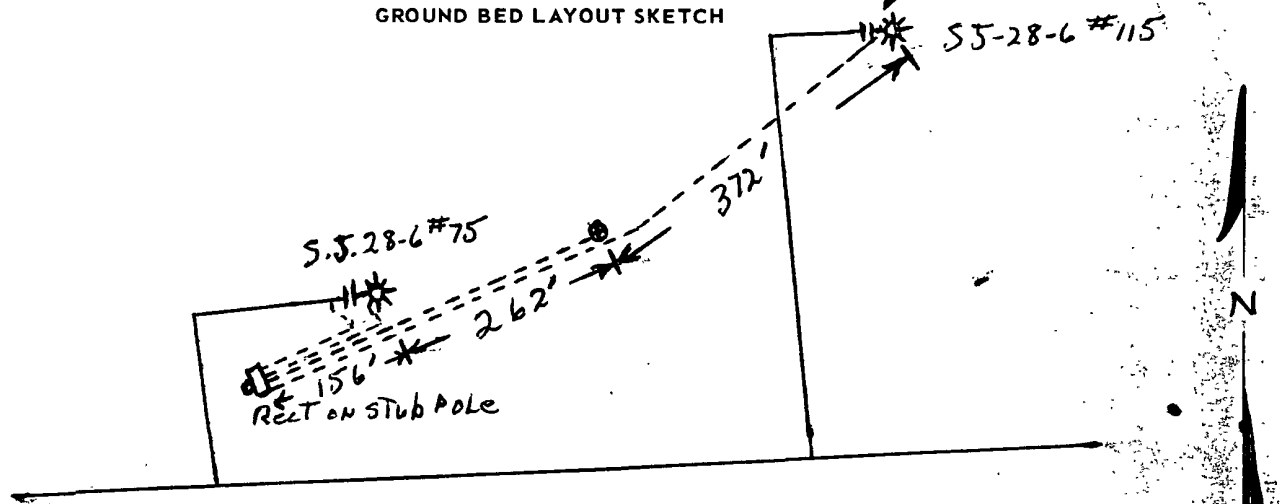
Hole Depth = -192 FT.
Ditch + cable = 790 FT.
EXTRA cable = 730 FT.

60V 30A Rect.
STUB POLE

All Construction Completed

Robert J. Balch
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6247

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 9-15-78
By: RFB
File:

1280W

ST 28-6 #75
ST 28-6 #115

SW3-27.6

40181.19
20501.19

ST $\frac{1}{2}$ 600' SE = .76
ST $\frac{1}{2}$ 600' E = .79

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

30	210	1.8
40	220	1.1
50	230	1.1
60	240	1.2
70	250	1.3
80	260	1.9
90	270	1.5
100	280	1.5
110	290	1.1
120	300	.8
130	310	
140	320	
150		
160		
170		
180		
190		
200		

HIT WATER AT 35 FT (APPROX 5 GPM)
WATER STANDING AT 35 FT NEXT
MORNING WATER AGAIN AT 90 FT
DRILLED 320' Logged 308'
INST 280' PVC vent pipe
PERFORATED 260'
TOTAL WATER APPROX 30 GPM
Hole Depth - 192'
41 BAGS OF COKE
Ditch cable = 790'
extra cable = 730'
60030A Rect.
stub pole

①	265	-2.2-	3.1
②	255	-2.0-	3.0
③	205	-2.4-	3.8
④	190	-2.4-	3.7
⑤	180	-2.2-	3.4
⑥	165	-2.4-	3.4
⑦	155	-2.3-	3.3
⑧	130	-2.2-	3.2
⑨	70	-2.1-	3.0
⑩	55	-2.7-	3.6

TOTAL 11.9 V 16.7 A = .71 ohms

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

Analysis No. 1-9350 Date 11-8-78

Operator _____ Well Name San Juan #28-6 #75 & 115

Location SW3-27-6 County Rio Arriba State NM

Field _____ Formation _____

Sampled From CPS 1280 W WATER @ 35' 5 GPM; WATER @ 90'

Date Sampled _____ By 30 GPM

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

Sodium <u>536</u>	Chloride <u>10</u>	<u>23.3</u>
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Calcium <u>34</u>	Bicarbonate <u>586</u>	<u>2</u>
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Magnesium <u>12</u>	Sulfate <u>750</u>	<u>1</u>
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Iron <u>PRESENT</u>	Carbonate <u>0</u>	<u>0</u>
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H ₂ S <u>ABSENT</u>	Hydroxide <u>0</u>	<u>0</u>
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

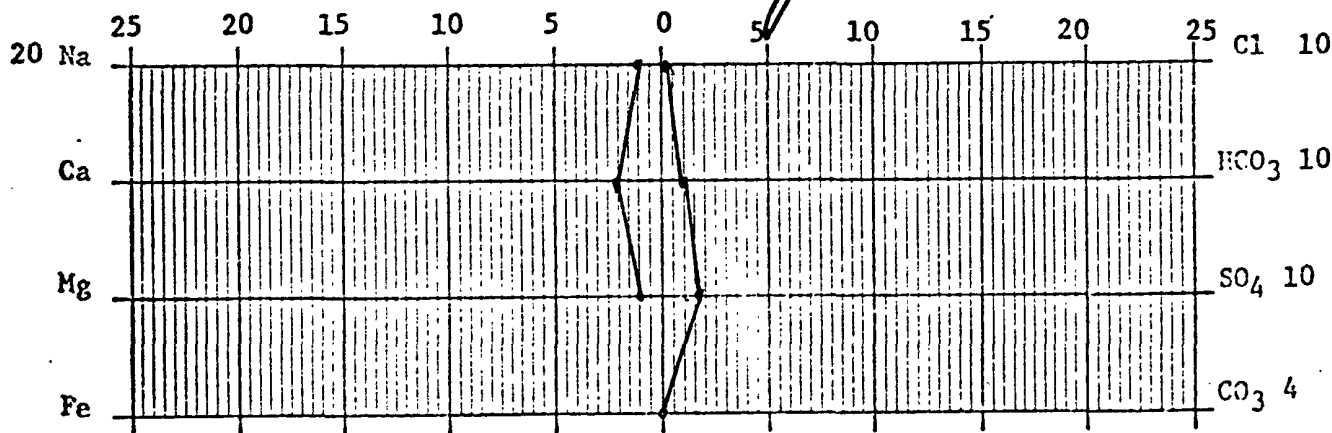
Total Solids Dissolved 1646

pH 8.0

Sp. Gr. 1.0022 at 60°F

Resistivity 510 ohm-cm at 71 °F

Joe Barnett PZE
Chemist



Scale: epm

LEASE 1280 W WELL NO. 1280W CONTRACTOR O'Brian Drilling RIG NO. 1 REPORT NO. 13 DATE Sept 15 1928

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller		Total Men In Crew			Driller		Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SERI. NO.		STANDS			SERI. NO.		STANDS			SERI. NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH		

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN	
0	8	Surface		135	145	Shale		285	295	Sandstone	
8	15	Shale		145	150	Sandstone		295	310	Shale	
15	45	Sandstone (Water)		150	210	Shale		310	320	Sandstone	
4	65	Shale		210	250	Sandstone					
65	85	Sandy Shale		250	270	Sandy Shale					
85	135	Sandstone	W	270	285	Shale					

REMARKS -			REMARKS -			REMARKS -		
						Drilled 6 3/4 hole to 320		
						Logged to 308		
						Est. water 30 G.P.M.		
						Water overnight at 35 ft.		

SIGNED: Toolpusher

Butch Benoit

Company Supervisor