

1254

97A-30-039-21878

E

172-30-039-20608

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. 35 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #97A, #172

cps 151lw

Elevation 6333' Completion Date 6/5/80 Total Depth 310' 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: 270', 260', 250', 240', 230', 220', 210', 190', 180', 170'

Depths vent pipes placed: 300'

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

Drilling Log (Attach Hereto). ☐

Completion Date 6/5/80

Well No. <u>S.J. 28-6 #97A</u> <u>S.J. 28-6 #172</u>		Location <u>SE 35-28-6</u>		CPS No. <u>1511 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57558-21</u> <u>55470-21</u>	
Anode Hole Depth <u>310' T.D. 303'</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>270'</u>	#2 <u>260'</u>	#3 <u>250'</u>	#4 <u>240'</u>	#5 <u>230'</u>
Anode Output (Amps)	#1 <u>2.4</u>	#2 <u>2.3</u>	#3 <u>2.2</u>	#4 <u>2.6</u>	#5 <u>2.4</u>
Anode Depth	#6 <u>220'</u>	#7 <u>210'</u>	#8 <u>190'</u>	#9 <u>180'</u>	#10 <u>170'</u>
Anode Output (Amps)	#6 <u>2.1</u>	#7 <u>2.5</u>	#8 <u>2.8</u>	#9 <u>2.4</u>	#10 <u>2.4</u>
Anode Depth	#11	#12	#13	#14	#15
Anode Output (Amps)	#11	#12	#13	#14	#15
Total Circuit Resistance	Volts <u>11.4</u>		Amps <u>13.4</u>		Ohms <u>.85 Ω</u>
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

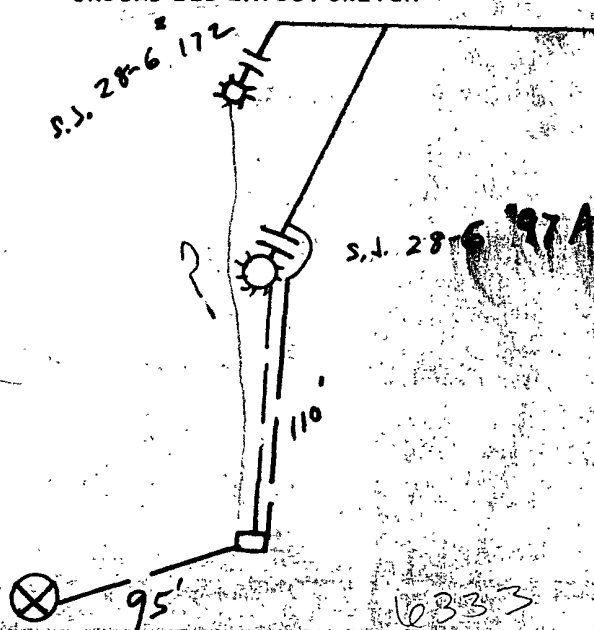
Remarks: STATIC ON 28-6 #97A 600' E. = .85V. '28-6 #172 HAS A
BOND BOX #199B ON IT. DRILLED TO 80'. DRILLER SAID WATER AT 75'.
APPROX. 5 GAL/MIN. WATER STANDING IN HOLE NEXT A.M. AT 65'.
TOOK WATER SAMPLE. DRILLED TO 310'. LOGGED 303'. INSTALLED
300' OF 1" P.V.C. VENT PIPE, PERFORATED 240'.

INSULATED UNION OK ON BOTH LOCATIONS

W.O. 57558-21-5 Hm Reg. 2 Hm
55470-21-5 Hm Reg. 1 Hm. C
All Construction Completed

DITCH & 1 CABLE = 205'
EXTRA CABLE = 130'
20' METER LOOP POLE
60V 30A RECT.
HOLE DEPTH. - 197'

GROUND BED LAYOUT SKETCH



JCT. Box, Rect., Pole,
AND CABLE ARE NOT
INSTALLED ON THIS
LOCATION. Complete

DISTRIBUTION:

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

7-3-80

6333

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

28-6 # 97A
28-6 # 172CPS 1511 W
SE 35-28-6W.O. 57558-21
55470-21

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

70 -

80 - 1.6

80 -

90 - 1.7

90 - 1.9

90 -

100 - 1.0

303 - T.D.

100 -

310 - Drilled To

10 -

20 -

30 -

40 -

50 -

60 -

70 - 1.8 - ⑩

80 - 1.7

80 - 1.6 - ⑨

90 - 1.5

90 - 2.0 - ⑧

200 - 1.2

200 - 1.4

11 - 1.8

11 - 1.9 - ⑦

20 - 1.5

20 - 1.6 - ⑥

30 - 1.9

30 - 1.9 - ⑤

40 - 2.0

40 - 1.8 - ④

50 - 1.4

50 - 1.5 - ③

60 - 1.6

60 - 1.8 - ②

70 - 2.0

70 - 1.7 - ①

80 - 1.6

Drilled To 80' Driller said
WATER AT 75' Approx, 5 gal/min
WATER standing in Hole Next
A.M. AT 65'. Took WATER sample
Drilled To 310' Logged 303
INSTALLED 300' of 1" P.V.C.
VENT pipe perforated 240'

11.4V 13.4A = .85 R

6/5/80
JL

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 - 270 - 1.6 - 2.4

2 - 260 - 1.7 - 2.3

3 - 250 - 1.8 - 2.0

4 - 240 - 1.9 - 2.6

5 - 230 - 1.9 - 2.4

6 - 220 - 1.6 - 2.1

7 - 210 - 1.9 - 2.5

8 - 190 - 2.0 - 2.8

9 - 180 - 1.7 - 2.4

10 - 170 - 1.8 - 2.4

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

Analysis No. 1-9915 Date 6-23-80
Operator El Paso Natural Gas Well Name San Juan 28-6 #97A
Location SE 35-28-6 County Rio Arriba State New Mexico
Field Blanco Formation _____

Sampled From 75 foot depth CPS

Date Sampled 6-5-80 By _____

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

Sodium	ppm	1265	epm	55	Chloride	ppm	10	epm	.3
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Calcium	272	14	Bicarbonate	331	5
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Magnesium	21	2	Sulfate	3160	66
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Iron	No test	Carbonate	0	0
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H ₂ S	Absent	Hydroxide	0	0
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cc: C.B. O'Nan
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
D.C. Adams
File

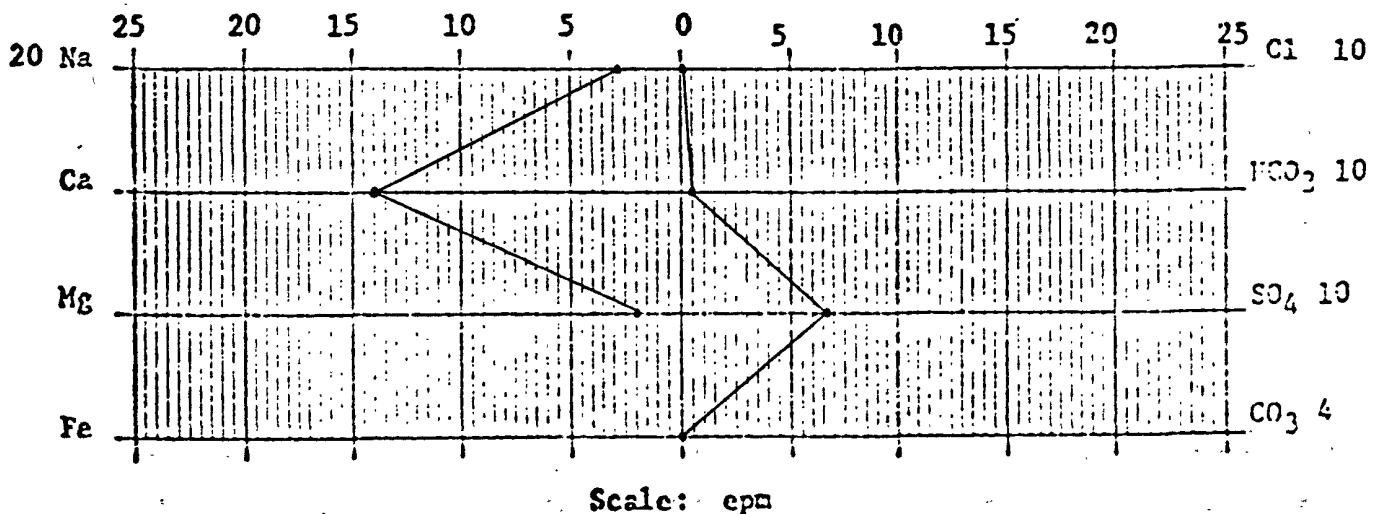
Total Solids Dissolved 4766

pH 7.6

Sp. Gr. 1.0057 At 60°F

Resistivity 170 ohm-cm at 77°F

Deborah Renetland
Chemist RZE



CPS-1511 W

LEASE _____ WELL NO. _____ CONTRACTOR **3-C DRILLING** RIG NO. **#1** REPORT NO. _____ DATE **6/** 19**80**

MORNING					DAYLIGHT					EVENING				
Driller Brian		Total Men In Crew 3			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.
SEI	NO.	STANDS			SERIAL NO.	STANDS			SERIAL NO.	STANDS				
SIZE	NO.	SINGLES			TYPE	SINGLES			TYPE	SINGLES				
6 3/4		15 1/2 stands												
		DOWN ON KELLY				DOWN ON KELLY				DOWN ON KELLY				
MAKE		TOTAL DEPTH 310' T.D. 303			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.		Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	20	sand	220	260	shale			
20	40	sand & bent.	260	280	shale			
40	80	sandstone & water sand Sgl	280	300	samey shale			
80	100	shale & sand	300	310	shale			
100	200	shale						
200	220	sand-shale water						

REMARKS -	REMARKS -	REMARKS -
	Hit water approx. 75' 5 gallons per minute, water was standing AT approx. 65' next A.M.	
	Went through water sand approx. again at 220'	
	Total depth 310' T.D. 303	

SIGNED: Toolpusher Brian Surge

Company Supervisor _____