

7352

2- 30-045-08111

E

6E- 30-045-24057

17- 30-045-21627

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. 20 Twp 29 Rng 10Name of Well/Wells or Pipeline Serviced SAN JACINTO #2, #6E, HUBBELL #17

cps 1678w

Elevation 5694' Completion Date 9/13/83 Total Depth 480' Land Type* N/ACasing, Sizes, Types & Depths 8' OF 8" CASINGIf 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. 90' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 4620 lbs.Depths anodes placed: 455', 415', 405', 395', 385', 370', 310', 300', 235', 225'Depths vent pipes placed: 475'Vent pipe perforations: 400'Remarks: gb #1**RECEIVED**
MAY 31 1991

2" CON

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 CASTING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date 9-13-83

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1678-W	San Jacinto #2	53376-19-50-20-64	.75	☒ Good ☐ Bad
	San Jacinto #6-E	59127-21-50-20-64	.78	
	Hubbell #17			
Location	Anode Size	Anode Type	Size Bit	
NE 20-29-10	2" X 60"	Duriron	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
480	470		approx. 4620	
Anode Depth				
# 1 455	# 2 415	# 3 405	# 4 395	# 5 385
# 6 370	# 7 310	# 8 300	# 9 235	# 10 225
Anode Output (Amps)				
# 1 4.9	# 2 6.0	# 3 5.7	# 4 5.6	# 5 6.2
# 6 5.3	# 7 5.9	# 8 5.4	# 9 5.3	# 10 5.8
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 12.0	Amps 22.5	Ohms .53		

Remarks: Drilled to 100'; hit water at 90' Blew water from hole next morning. got water sample. Driller set 8' of 8" casing. Installed 475' of 1" PVC vent pipe with 400' of perforations. Slurried approx 4,620 lbs Coke down hole.

Hubbell #17 - 3 notches } Check these wires at turn on time.

San Jacinto #2 - 4 notches } Remove Bond Box at Hubbell #17 175'

Rectifier Size: 60 V 30 A ✓

Addn'l Depth: _____

Depth Credit: 30' ✓Extra Cable: 699' (extension of neg from #2 + 17 plus 6E)Ditch & 1 Cable: 442' ✓

25' Meter Pole: _____

20' Meter Pole: 1 ✓

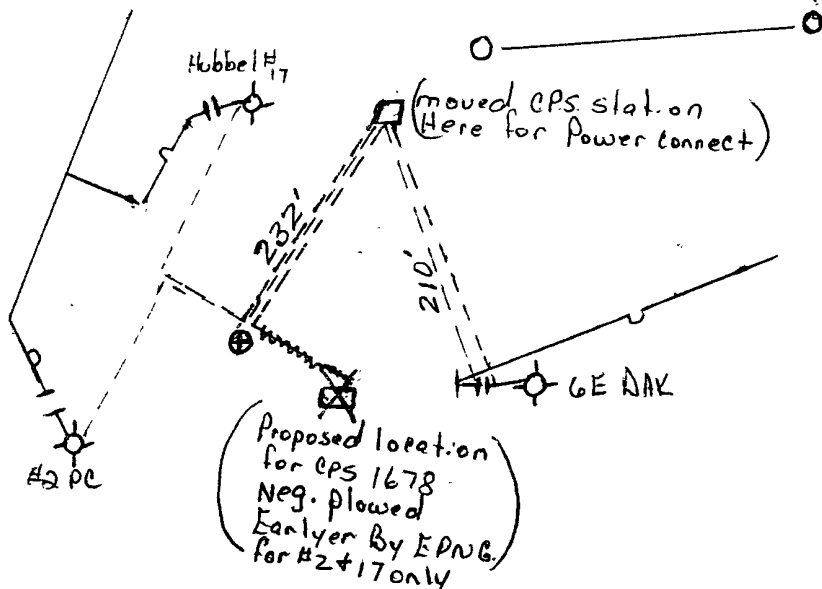
10' Stub Pole: _____

Reg 8 | 2 | time

All Construction Completed

C.W. Donohue
(Signature)

GROUND BED LAYOUT SKETCH



El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: of
Date: 9-13-83
By:
File:

CPS 1678-W
San Jacinto #2
San Jacinto #6-E
NE 20-29-10

wo# 53376-19-50-20-64
wo# 59127-21-50-20-64
R/L Gap' NE
Stat. C = .75
Stat. C = .78
Union = 8K 36m

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	00	315	3.4
	05	320	2.4
	10	25	2.6
	15	30	2.6
	20	35	2.6
	25	40	2.2
	30	45	3.0
	35	50	3.0
	40	55	1.9
	45	60	2.9
	50	65	4.2
	55	70	4.8 ②
	60	75	5.0
	65	80	4.3
	70	85	4.1 ③
	75	90	4.4
	80	95	4.4 ④
	85	400	4.5
	90	05	4.7 ③
	95	10	4.7
2	00	15	4.5 ②
	05	20	3.6
	10	25	2.4
	15	30	2.2
	20	35	2.1
	25	40	2.2 ⑩
	30	45	2.1
	35	50	3.3
	40	55	4.3 ①
	45	60	4.3
	50	65	3.6
	55	70	TD
	60	75	
	65	80	
	70	85	
	75	90	
	80	95	
	85	500	
	90		
	95		
3	00		4.8 ⑧
	05		4.6
	10		4.1 ⑦

Drilled to 100' hit water
at 90'. Blew water from hole.
Next morning got water sample.
Driller set 58" of 8" casing.
Installed 45' of 1" NKC vent pipe
with 400' of perforations.
Slurried 4,620 lbs Coke down hole.

Drilled: 480
Logged: 400

①	455	4.6	4.9
②	415	4.9	6.0
③	405	4.6	5.7
④	395	4.6	5.6
⑤	385	4.7	6.2
⑥	370	4.7	5.3
⑦	310	4.7	5.9
⑧	300	4.5	5.4
⑨	235	4.6	5.3
⑩	225	4.7	5.8

12.0 V 225A .53 Ω

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

Analysis No. 1-10920 Date November 15, 1983

Operator El Paso Natural Gas Well Name San Jacinto #6-E CPS 1678W

Location NE 20-29-10 County San Juan State New Mexico

Field Blanco Formation _____

Sampled From 90 feet CPS 1678W

Date Sampled September 13, 1983 By Bill Donohue

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

	ppm	epm		ppm	epm
Sodium	<u>4,340</u>	<u>188.7</u>	Chloride	<u>140</u>	<u>2.9</u>

	ppm	epm		ppm	epm
Calcium	<u>412</u>	<u>20.6</u>	Bicarbonate	<u>183</u>	<u>3.0</u>

	ppm	epm		ppm	epm
Magnesium	<u>56</u>	<u>4.6</u>	Sulfate	<u>10,000</u>	<u>208.0</u>

	ppm	epm		ppm	epm
Iron	<u>.</u>	<u>.</u>	Carbonate	<u>TRACE</u>	<u>0</u>

	ppm	epm		ppm	epm
H ₂ S	<u>.</u>	<u>.</u>	Hydroxide	<u>0</u>	<u>0</u>

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

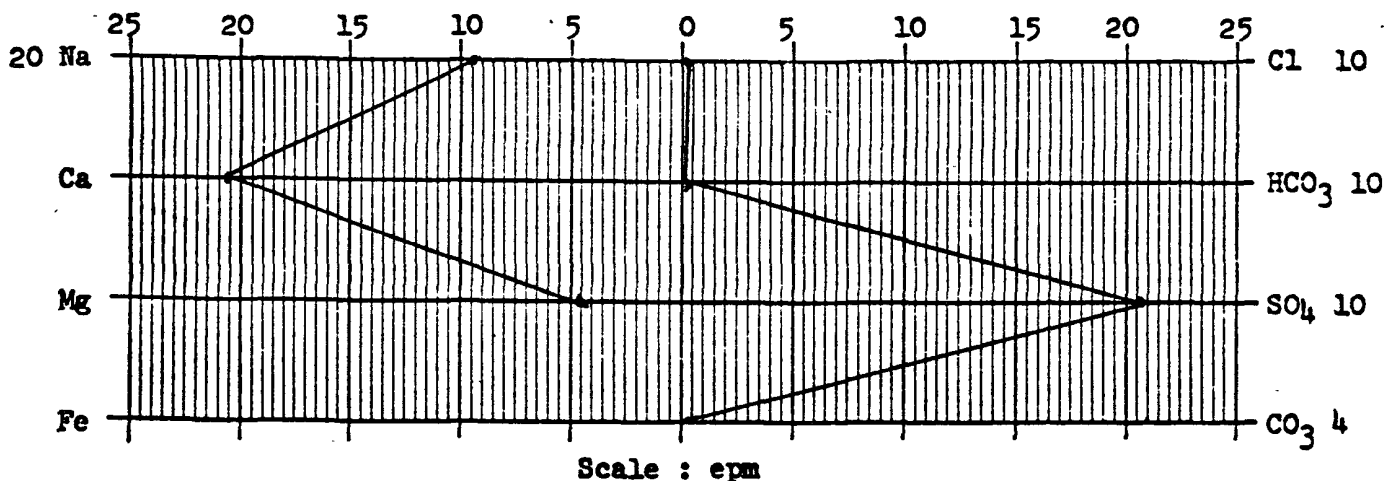
Total Solids Dissolved 17,666

pH 8.5

Sp. Gr. 1.0167 At 60°F

Resistivity 43 ohm-cm at 75°F

 Joe Barnett
 Chemist *GCK*



DAILY DRILLING REPORT

1178-W San Jacinto #6-E Loftis Co. IR1

LEASE	WELL NO.	CONTRACTOR	RIG NO.
1178-W	San Jacinto #6-E	Loftis Co.	IR1

DATE 9-13-83 19

[illegible]

SIGNED: Toolpusher

____ Company Supervisor