

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 10

Name 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/A

Casing, Sizes, Types & Depths 8' OF 8" CASING

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. 90' SAMPLE TAKEN

Depths gas encountered: N/A

Type & 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

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 CASING 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' Bkw 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 ✓

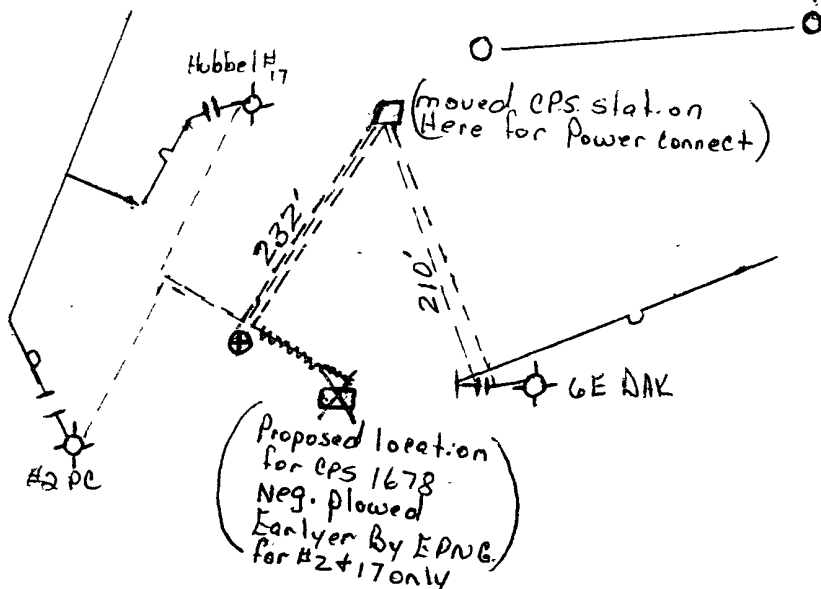
10' Stub Pole: _____

Reg 8 2 1 2

All Construction Completed

C.W. Donohue
(Signature)

GROUND BED LAYOUT SKETCH



5694

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
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/E Cap' 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

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
200	15	4.5 ②
05	20	3.6
10	25	2.4
15	30	2.2
20	35	2.1
25	40	2.2
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		
00		
05		
10		

Drilled to 100' hit water
at 90'. Blew water from hole.
Next morning got water sample.
Driller set 58' of 8" casing.
Installed 475' of 1" NYC vent pipe
with 400' of perforations.
Slurried 4,620 lbs Coke down hole.

Drilled: 480
Logged: 470

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 22.5 A .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	4,340	188.7	Chloride	140	2.9

	ppm	epm		ppm	epm
Calcium	412	20.6	Bicarbonate	183	3.0

	ppm	epm		ppm	epm
Magnesium	56	4.6	Sulfate	10,000	208.0

	ppm	epm		ppm	epm
Iron	.	.	Carbonate	TRACE	0

	ppm	epm		ppm	epm
H ₂ S	.	.	Hydroxide	0	0

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

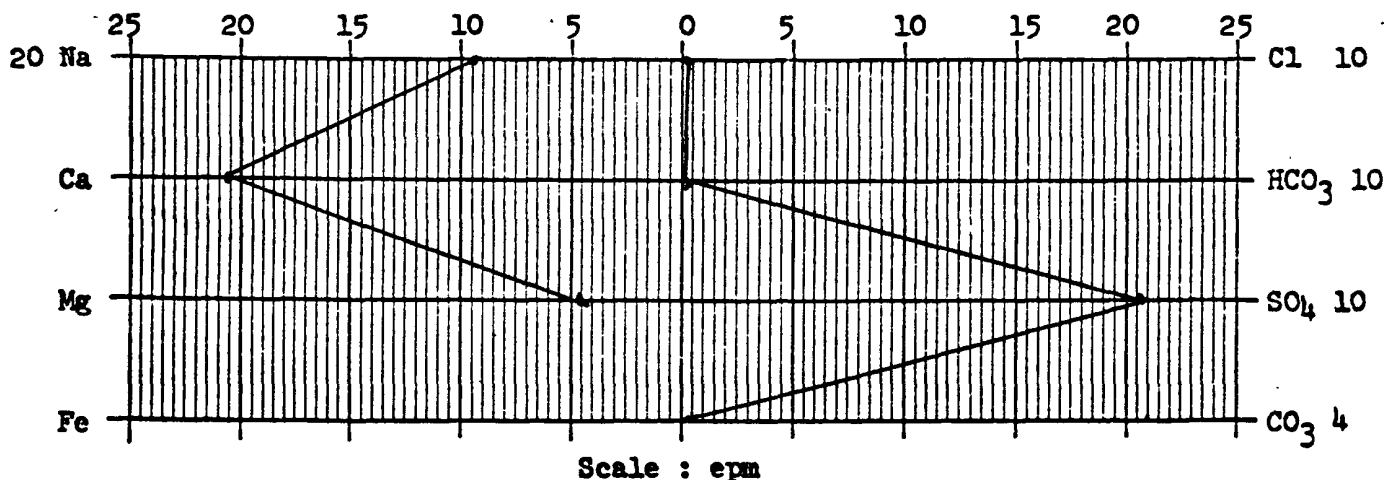
Total Solids Dissolved 17,666

pH 8.5

Sp. Gr. 1.0167 At 60°F

Resistivity 43 ohm-cm at 75°F

Joe Barnett
Chemist GCK



DAILY DRILLING REPORT

11-78-1678-W San Jacinto #6-E Loftis Co. IR1

LEASE WELL NO. CONTRACTOR RIG NO.

DATE 9-13-83 19

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.
0	20	Sand & Boulders			215	255	Sandy shale			420	470	shale		
20	120	sandstone			255	285	sandstone							
120	175	shale			285	315	shale							
175	215	sandstone			315	420	sandstone							
BIT		NO. DC _____ SIZE _____ LENG. _____			BIT NO.		NO. DC _____ SIZE _____ LENG. _____			BIT NO.		NO. DC _____ SIZE _____ LENG. _____		
SER. NO.		STANDS			SERIAL NO.		STANDS			SERIAL 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.		
			N.B.I											
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN		
REMARKS -					REMARKS -					REMARKS -				
50 g.p.m. water														

SIGNED: Toolpusher

____ Company Supervisor