

1040

42. 30-039-06959

118- 30-039-20318

E

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

Operator MERIDIAN OIL Location: Unit SW Sec. 22 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #42, #118

cps 1710w

Elevation 6491' Completion Date 9/22/83 Total Depth 400' 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. 140' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4100 lbs.

Depths anodes placed: 360', 350', 340', 305', 255', 230', 200', 190', 180', 170'

Depths vent pipes placed: 400'

Vent pipe perforations: 300'

Remarks: gb #1

RECEIVED

MAY 31 1991

OIL CON. DIV.
OSL 1

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 9/22/83

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1710 W	S.J. 27-5 #42	53810-19-50-20-64	600' E = .88 V	☒ Good ☐ Bad
	S.J. 27-5 #118	54761-19-50-20-64	600' W = .73 V	
Location:	Anode Size:	Anode Type:	Size Bit:	
SW 22-27-5	2" X 60"	DUTION	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Goke Used	Lost Circulation Mat'l Used
400	400		Skipped 4100 lbs	
Anode Depth				
# 1 360'	# 2 350'	# 3 340'	# 4 305'	# 5 255'
# 6 230'	# 7 200'	# 8 190'	# 9 180'	# 10 170'
Anode Output (Amps)				
# 1 3.94	# 2 3.77	# 3 4.13	# 4 5.53	# 5 4.35
# 6 4.26	# 7 4.5	# 8 6.4	# 9 5.0	# 10 4.18
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 11.96	Amps 18.7	Ohms .6		

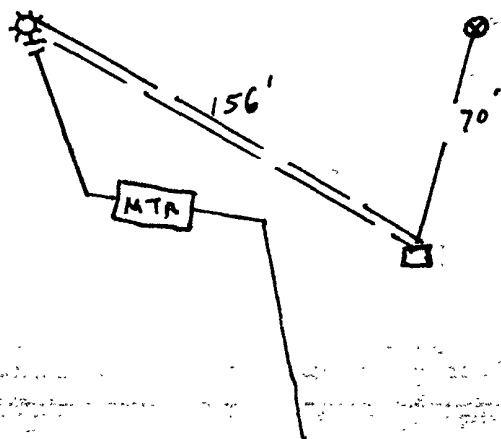
Remarks: Driller said water at 140'. Approx 20 gal/min. Took water sample, drilled 160'. Water standing in hole next A.M. AT 80'. Drilled 400', logged as installed 400' of 1" P.V.C. VENT Pipe, Perforated 300'.

Rectifier Size: 60 V 30 A
 Addn'l Depth: 100' ✓
 Depth Credit: 100' ✓
 Extra Cable: 186' ✓
 Ditch & 1 Cable: 226' ✓
 25' Meter Pole: 1 ✓
 20' Meter Pole: —
 10' Stub Pole: —

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



Time	Reg	O.T.
10	8	2

CPS 1710 W

S.J. -27-5 * 42

W.O. 5-38-10-19-50-20-

S.J. 27-5 * 118

54761-19-50-20-

SW-22-27-5

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

80 -	260 - 1.56	Driller said water at 140'
	1.46	Approx 20 gal/min. Took water
90 -	70 - 1.26	sample, Drilled 160' water
	1.07	standing in hole next AM.
100 -	80 - 1.12	AT 80' Drilled 400' Logged
	1.19	400'. Installed 400' of
10 -	90 - 1.12	1" P.V.C. vent pipe
	1.78	Perforated 300'
20 -	300 - 1.53	
	2.33 - ②	
30 -	10 - 2.14	
	1.06	
40 - 1.46	20 - .91	
	1.22	
50 - 1.22	30 - 1.62	
	1.98	
60 - 2.11	40 - 1.91 - ③	
	1.93	
70 - 2.75 - ⑩	50 - 2.02 - ②	11.96 V. 18.7A = .6 ②
	1.94	
80 - 3.51 - ⑨	60 - 1.90 - ①	1 - 360 - 1.97 - 3.94
	1.39	2 - 350 - 1.99 - 3.77
90 - 3.9 - ⑧	70 - 1.26	3 - 340 - 1.92 - 4.13
	.99	4 - 305 - 2.9 - 5.53
200 - 2.63 - ⑦	80 - .49	5 - 255 - 2.6 - 4.35
	.39	6 - 230 - 2.7 - 4.26
10 - 1.43	90 - .42	7 - 200 - 2.87 - 4.5
	.29	8 - 190 - 4.0 - 6.4
20 - 1.06	400 - T.D.	9 - 180 - 3.5 - 5.0
		10 - 170 - 3.0 - 4.18
30 - 2.33 - ⑥		
40 - 1.56		
50 - 1.77		
2.19 - ⑤		

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

Analysis No. 1-10867 Date September 30, 1983
 Operator El Paso Natural Gas Well Name San Juan 27-5 #118 CPS 1710W
 Location SW-22-27-5 County Rio Arriba State New Mexico
 Field Blanco Formation _____
 Sampled From 140 feet CPS 1710W

Date Sampled September 21, 1983 By _____

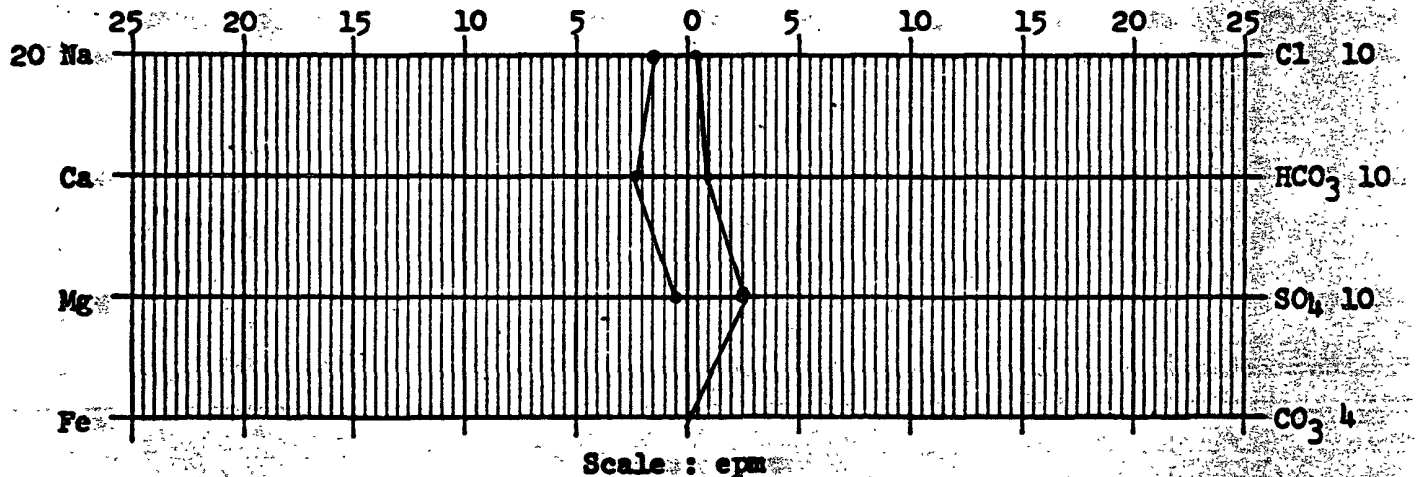
Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>767</u>	<u>33.4</u>	Chloride <u>40</u>
Calcium <u>45</u>	<u>2.3</u>	Bicarbonate <u>605</u>
Magnesium <u>5</u>	<u>0.4</u>	Sulfate <u>1,200</u>
Iron _____	_____	Carbonate <u>0</u>
H ₂ S _____	_____	Hydroxide <u>0</u>

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

Total Solids Dissolved 2,964
 pH 7.8
 Sp. Gr. 0.9614 At 60°F
 Resistivity 208 ohm-cm at 74°F

Joe P. Barnett

Chemist *GCK*



CPS 1710 W DAILY DRILLING REPORT
REPORT NO. DATE 9-21 1983

LEASE			WELL NO.			CONTRACTOR			RIG NO.			REPORT NO.			DATE			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	160	SAWD, b SAND stone	6 3/4												
					160	240	SAWD													
					240	400	SAND stone b shale													
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.			
SL L NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.			
SIZE		STANDS				SERIAL NO.		STANDS				SERIAL NO.		STANDS						
TYPE		SINGLES				SIZE		SINGLES				SIZE		SINGLES						
MAKE		DOWN ON KELLY				TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY						
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						
REMARKS -					REMARKS -					REMARKS -										
					water 140' to 160' SAWD															
					11 240' to 260' SAWD															
					11 390 to 400 SAWD															
					making about 50 gal a minute															
					20 gal a minute at 140'															

SIGNED: Toolpusher

Billy Boulton

____ Company Supervisor

J. C. Stott