

1365

#46 30-039-07112

E

#126 30-039-20400

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. 7 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #46, #126

cps 1697w

Elevation 6524' Completion Date 9/14/83 Total Depth 540' 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. 190' - 200' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 5500 lbs.

Depths anodes placed: 490', 480', 470', 460', 410', 400', 385', 375', 365', 355'

Depths vent pipes placed: 520'

Vent pipe perforations: 360'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST 2

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 9-14-83

CPS #		Well Name, Line or Plant:		Work Order #		Static:		Ins Union Check	
1697W		San Juan 27-5 # 126 San Juan 27-5 # 46		54805-19-50-20-64 53711-19-50-20-64		600' RM = .75 600' N = .73		☒ Good ☐ Bad	
Location:		Anode Size:		Anode Type:		Size Bit:			
SW 7-27-5		2" x 60"		Duriron		6 3/4" Rock			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
540'		526'				5500			
Anode Depth									
# 1	490	# 2	480	# 3	470	# 4	460	# 5	410
# 6	400	# 7	385	# 8	375	# 9	365	# 10	355
Anode Output (Amps)									
# 1	1.94	# 2	3.60	# 3	3.15	# 4	2.54	# 5	2.45
# 6	1.99	# 7	1.90	# 8	2.46	# 9	2.53	# 10	2.91
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		Amps		Ohms					
11.78		11.4		1.03					

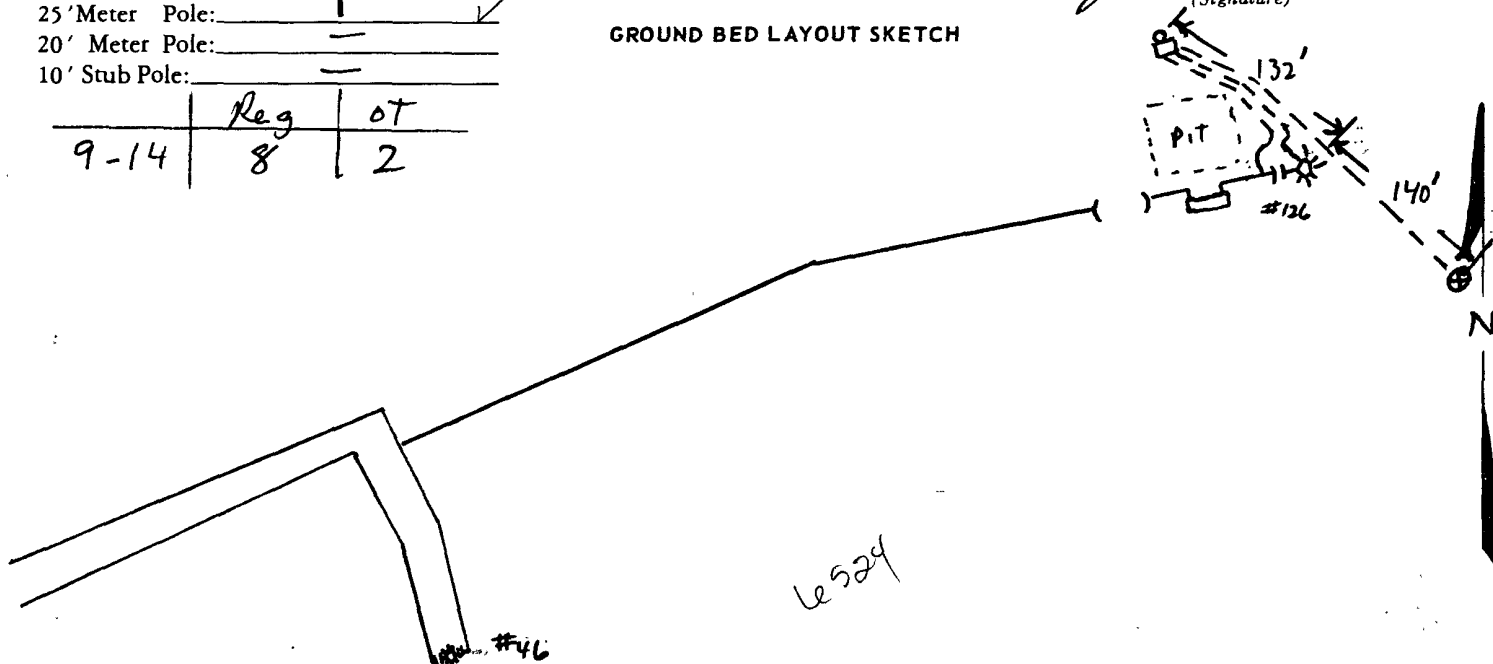
Remarks: Wet 190' to 200' Drilled to 270' water at 180ft next AM.
 caught water sample Drilled to 540' Logged 526'
 INST 520' OF vent Pipe with 360 ft of perforations. Slurried
 approx 5500' lbs of coke

Rectifier Size: 60 V 30 A ✓
 Addn'l Depth: +26 ✓
 Depth Credit: — ✓
 Extra Cable: 294 ✓
 Ditch & 1 Cable: 272 ✓
 25' Meter Pole: 1 ✓
 20' Meter Pole: — ✓
 10' Stub Pole: — ✓

All Construction Completed

Robert J. Balinski
(Signature)

GROUND BED LAYOUT SKETCH



ENGINEERING CALCULATION SHEET

Form 7-371 (11-77)

1697W

SANTANA 27-5 #

126-SW7-27-5, 54805-19-50-20-64-ST 600'W = .75 / 35 ma
46- " " , 53711-19-50-20-64-ST 600'N = .73 / 566 ma

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Date 9-14-83

By RJB

FL-24

FL-83

26	190	.57	320	.42	450	.51	
25		.85		.41		1.06	
24	200	.79	330	1.93	460	1.95	-4
23		1.36		2.43		2.13	
22	210	1.56	340	2.20	470	1.83	-3
21		1.48		1.94		2.14	
20	220	1.62	350	1.42	480	2.12	-2
19		2.07		1.70		1.38	
18	230	1.65	360	1.40	490	1.26	-1
17		1.02		1.35		.67	
16	240	.58	370	1.29	500	.51	
15		.31		1.38		.65	
14	250	.33	380	1.27	510	.66	
13		.32		1.25		.78	
12	260	.32	390	1.15	520	.52	
11		.37		1.12			-526
10	270	1.54	400	1.20	530		
9		2.03		1.38			
8	280	1.62	410	1.72	540		
7		1.21		.92			
6	290	.94	420	.81			
5		.55		.64			
4	300	.51	430	.54			
3		.38		.65			
2	310	.38	440	.62			
1		.43		.47			

10 hrs

Wet From 190'-200' Drilled 270
Water at 180' next AM caught sample
Drilled to 540' Logged 526'
INST 520' vent pipe with
360' OF Perforation Slurried 550'

- ① 490 - 1.22 - 1.94
- ② 480 - 2.23 - 3.60
- ③ 470 - 1.83 - 3.15
- ④ 460 - 1.61 - 2.54
- ⑤ 450 - 1.80 - 2.45
- ⑥ 400 - 1.17 - 1.99
- ⑦ 385 - 1.23 - 1.90
- ⑧ 375 - 1.32 - 2.46
- ⑨ 365 - 1.36 - 2.53
- ⑩ 355 - 1.60 - 2.91

11.78V 11.4 A = 1.03 ohms

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

Analysis No. 1-10917 Date November 15, 1983

Operator El Paso Natural Gas Well Name San Juan 27-5 #126 CPS 1697W

Location SW 7-27-5 County Rio Arriba State New Mexico

Field Blanco Formation _____

Sampled From 190 feet CPS 1697W

Date Sampled September 14, 1983 By Robert Babnick

Tbg. Press. _____	Csg. _____	Surface Csg. Press. _____
Sodium <u>419</u> ppm	<u>18.2</u> epm	Chloride <u>40</u> ppm
Calcium <u>TRACE</u>		Bicarbonate <u>427</u>
Magnesium <u>TRACE</u>		Sulfate <u>500</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

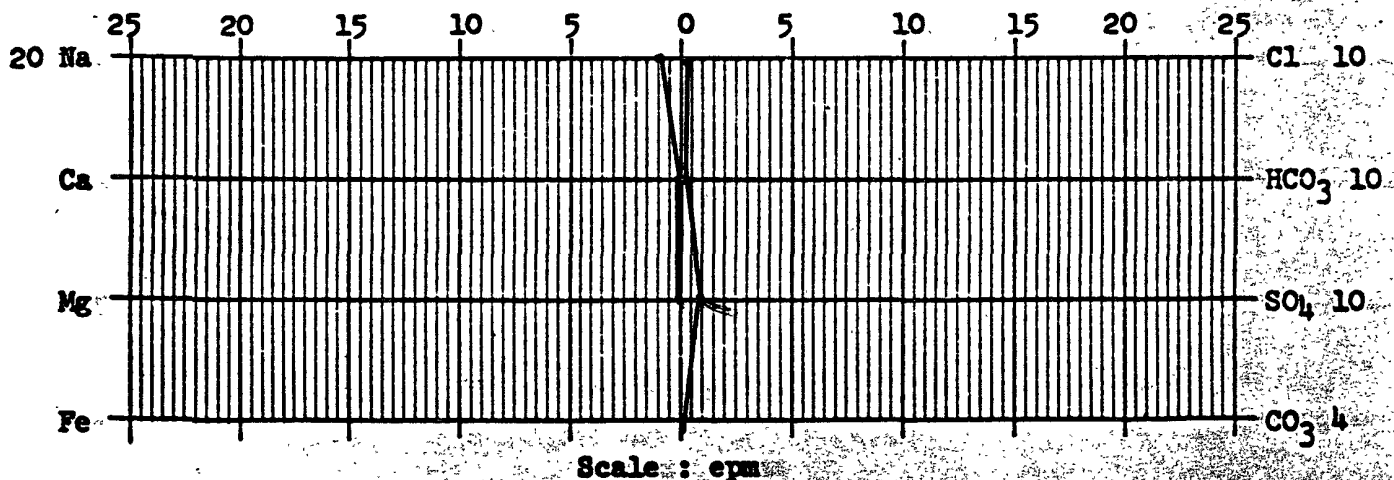
Total Solids Dissolved 1,174

pH 8.35

Sp. Gr. 1.0005 At 60°F

Resistivity 532 ohm-cm at 75°F

Joe Barnett
 Chemist **GCK**



LEASE

WELL NO.

CONTRACTOR

54

RIG. NO. 1

REPORT NO.

DATE 7-14-1988

198

295 # 1697 w DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

Company Supervisor

John J. Schmidt