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1046

6- 30-039-07062
103- 30-039-20032

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. 14 Twp 27 Rng 5
Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #6, #103
cps 1705w
Elevation 6665' Completion Date 9/27/83 Total Depth 360' 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. 150' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: 4000 lbs.
Depths anodes placed: 335', 325', 305', 295', 285', 275', 265', 255', 240', 225'
Depths vent pipes placed: 360'
Vent pipe perforations: 320'
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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto).

Completion Date 9-27-83

CPS #	Well Name, Line or Plant	Work Order #	Static:	Ins. Union Check
1705W	SAN JUAN 27-5 # 6 SAN JUAN 27-5 # 103	40034-19-50-20-64 54497-19-50-20-64	LOD SW = .73 LOD SW = .72	☒ Good ☐ Bad
Location:	Anode Size	Anode Type	Size Bit	
NE14-27-5	2" x 60"	Duriron	6 3/4" MILL TOOTH	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
360'	360'		4000	
Anode Depth				
# 1 335	# 2 325	# 3 305	# 4 295	# 5 285
# 6 275	# 7 265	# 8 255	# 9 240	# 10 225
Anode Output (Amps)				
# 1 2.60	# 2 2.95	# 3 3.90	# 4 4.44	# 5 4.27
# 6 4.25	# 7 4.90	# 8 4.90	# 9 4.33	# 10 4.63
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 11.26	Amps 15.7	Ohms .72		

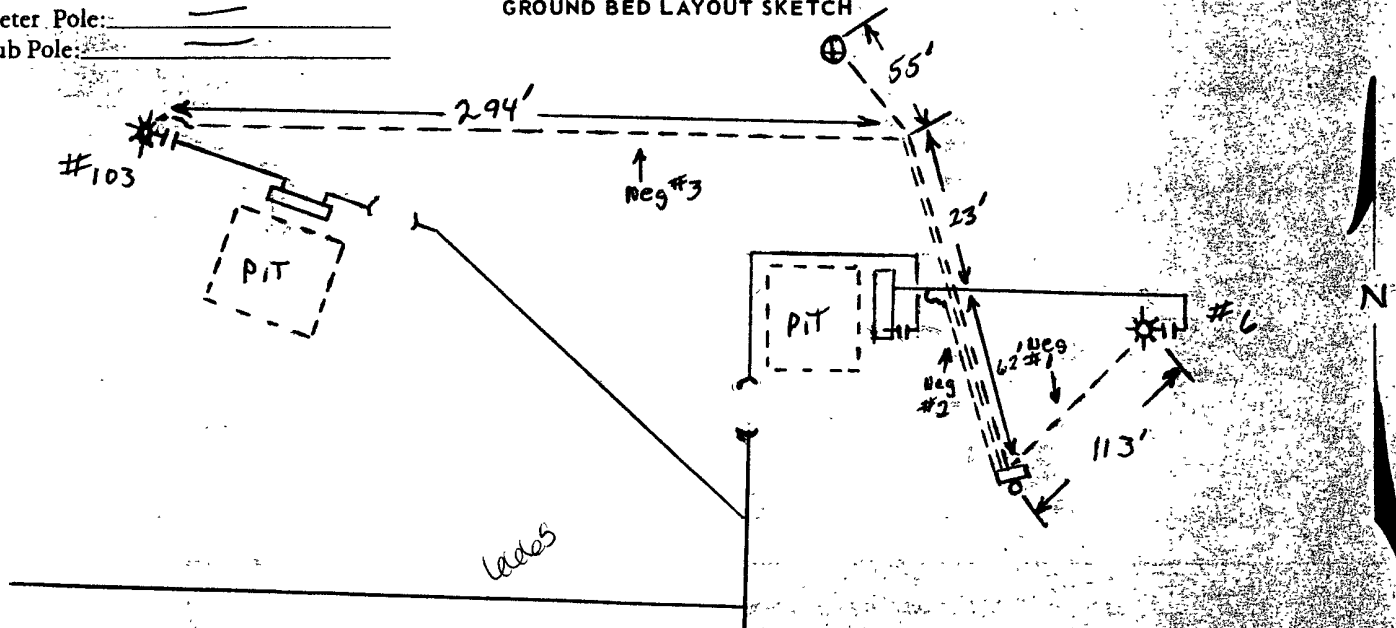
Remarks: Driller said wet at 160' Drilled to 240' water at 150' next AM caught water sample. Drilled to 360' Logged 360' installed 360' of vent pipe with 320' of perforations & slurried approx. 40 sacks of Coke.

Rectifier Size: 60 V 30 A 8 reg 2 OT ✓
 Addn'l Depth: _____
 Depth Credit: -140 ✓
 Extra Cable: 187' ✓
 Ditch & 1 Cable: 547' ✓
 25' Meter Pole: 1 ✓
 20' Meter Pole: _____
 10' Stub Pole: _____

All Construction Completed

Robert Balrich
 (Signature)

GROUND BED LAYOUT SKETCH



ENGINEERING CALCULATION SHEET

Form 7-371 (11-77)

1705 W - NE 14-27-5

San Juan 27-5 #6 - 40034-19-50-20-64
San Juan 27-5 #103 - 54497-19-50-20-64

ST 4/3 600' W = .73

ST 4/3 600' SW = .72

30MA -

260MA +

u = OK

u = OK

Page

Date

9-27-83

RJB

26	150		280	2.08	
25				2.11	-5
24	160		290	2.11	
23				2.11	-4
22	170		300	2.18	
21				2.07	-3
20	180	.79	310	1.35	
19		.74		.64	
18	190	.72	320	1.23	
17		.63		1.89	-2
16	200	.55	330	1.78	
15		1.47		1.65	-1
14	210	1.58	340	1.50	
13		1.62		1.89	
12	220	2.18	350	2.34	
11		2.16		2.16	-10
10	230	1.79	360		
9		1.55			
8	240	2.14			-9
7		1.72			
6	250	1.54			
5		2.01			-8
4	260	2.31			
3		2.32			-7
2	270	2.13			
1		1.86			-6

Driller said wet at approx 160' Drilled to 240' water at 150' next AM caught water sample. Drilled to 360' logged to 360'. Installed 360' of vent pipe with 320' perforated. Slurried approx 40 sacks of coke.

- ① 335 - 1.61 - 2.60
- ② 325 - 1.83 - 2.95
- ③ 305 - 2.00 - 3.90
- ④ 295 - 2.09 - 3.44
- ⑤ 285 - 2.04 - 4.27
- ⑥ 275 - 1.82 - 4.25
- ⑦ 265 - 2.20 - 4.90
- ⑧ 255 - 2.08 - 4.90
- ⑨ 240 - 1.96 - 4.33
- ⑩ 225 - 1.99 - 4.69

$$11.26 \text{ V } 15.7 \text{ A} = .72 \text{ ohms}$$

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

Analysis No. 1-10896 Date October 26, 1983
 Operator El Paso Natural Gas Well Name San Juan 27-5 #6 and 103 CPS 1705W
 Location NE 14-27-5 County Rio Arriba State New Mexico
 Field Blanco Formation _____
 Sampled From 150 feet

Date Sampled September 27, 1983 By Robert Babnick

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>206</u>	<u>9.0</u>	Chloride <u>24</u>
Calcium <u>6</u>	<u>0.3</u>	Bicarbonate <u>332</u>
Magnesium <u>1</u>	<u>0.1</u>	Sulfate <u>110</u>
Iron _____	_____	Carbonate <u>29</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 _____

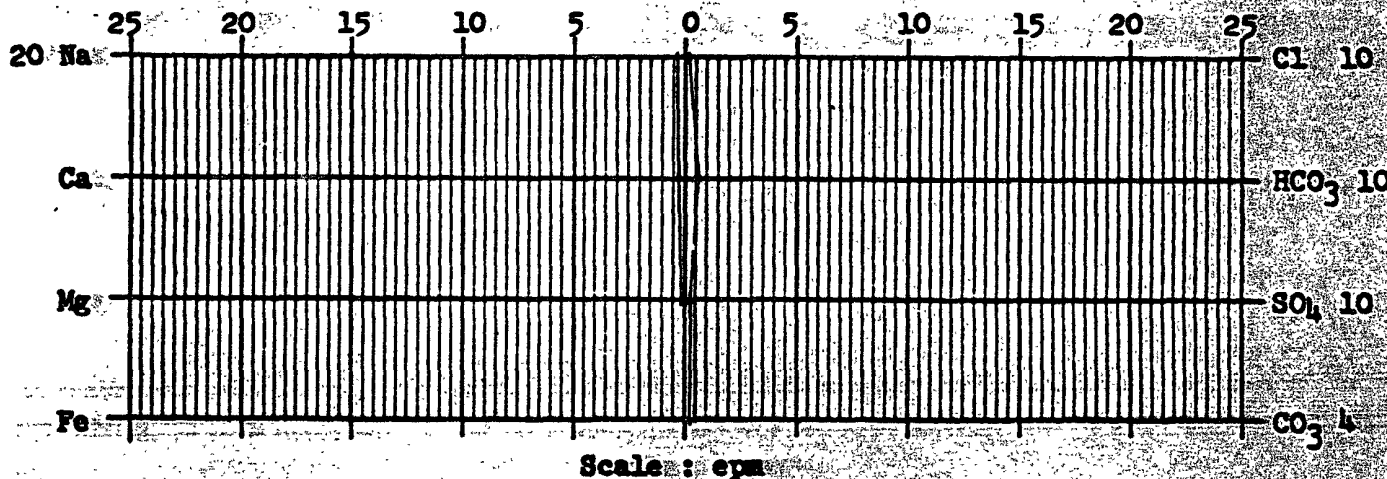
Total Solids Dissolved 892

pH 8.7

Sp. Gr. 0.9977 At 60°F

Resistivity 885 ohm-cm at 77°F

Dennis P. Bird *GCK*
 Chemist



#67103

WELL NO

CONTRACTOR

MORNING

WELL NO.

CONTRACTOR	
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DAYLIGHT

REGNO

REPORT NO.

EVENING

DATE 7-27

1985

205 1705 W DAILY DRILLING REPORT

[illegible]