

1038
49-30-039-07089
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 NE Sec. 18 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #49

cps 1699w

Elevation 6554' Completion Date 9/16/83 Total Depth 420' 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. 110' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4000 lbs.

Depths anodes placed: 370', 360', 350', 295', 285', 275', 265', 255', 245', 235'

Depths vent pipes placed: 420'

Vent pipe perforations: 360'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV. I
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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto)

Completion Date 9-16-83

CPS #		Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check	
1699W		SAN JUAN 27-5 # 49		53955-19-50-30-64		600E = .78		☒ Good ☐ Bad	
Location		Anode Size		Anode Type		Size Bit			
NE 18-27-5		2" x 60"		Duriron		6 3/4" Rock			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
420'		412'				4000			
Anode Depth									
# 1	370	# 2	360	# 3	350	# 4	295	# 5	285
# 6	275	# 7	265	# 8	255	# 9	245	# 10	235
Anode Output (Amps)									
# 1	2.5	# 2	3.3	# 3	4.2	# 4	2.8	# 5	3.7
# 6	3.2	# 7	3.5	# 8	3.2	# 9	3.7	# 10	3.7
Anode Depth									
# 11		# 12		# 13		# 14		# 15	
Anode Output (Amps)									
# 11		# 12		# 13		# 14		# 15	
Total Circuit Resistance									
Volts 12.1		Amps 13.8		Ohms .88		No. 8 C.P. Cable Used:		No. 2 C.P. Cable Used:	

Remarks: Drilled to 240' water at 110' overnight caught sand
 drilled to 420' Logged 412' inst 420' of vent pipe with 360'
 perforated. Slurried approx. 40 sacks of coke

Rectifier Size: 40 V 16 A

Addn'l Depth: _____

Depth Credit: -88 ✓Extra Cable: 122 ✓Ditch & 1 Cable: 282 ✓

25' Meter Pole: _____

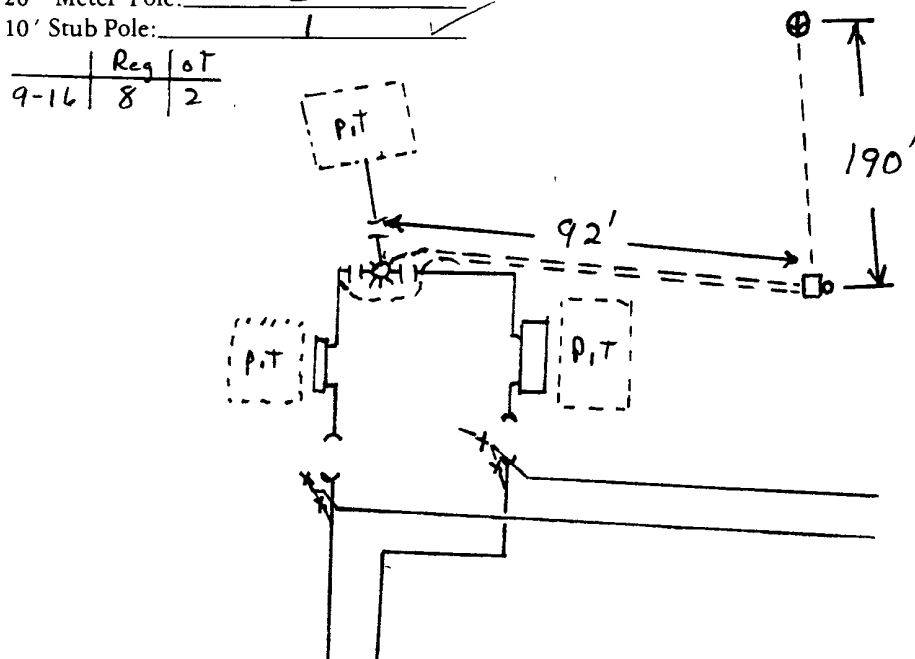
20' Meter Pole: _____

10' Stub Pole: 1 ✓

All Construction Completed

Robert J. Balnick
 (Signature)

GROUND BED LAYOUT SKETCH



CPS 1699W

San Juan 27-5#49 NE 18-27-5-53955-19-50-20-64-ST 600'E=.78 580 MAT

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Date 9-16-83

By RJB

26	110		240	2.2	370	1.7 - 1
25				1.7 - 9		1.2
24	120		250	1.7	380	1.0
23				1.9 - 8		.8
22	130	1.2	260	2.0	390	.8
21		2.8		1.5 - 7		.9
20	140	2.3	270	2.0	400	.9
19		2.4		2.0 - 6		.9
18	150	2.2	280	1.8	410	.9
17		2.0		2.0 - 5		412
16	160	1.8	290	2.5	420	
15		1.8		1.8 - 4		
14	170	1.3	300	1.2		
13		.8		.6		
12	180	.6	310	.5		
11		.5		.5		
10	190	.6	320	.4		
9		.6		.4		
8	200	.7	330	.5		
7		.7		.5		
6	210	.5	340	.8		
5		.5		1.6		
4	220	.5	350	2.4 - 3		
3		2.2		2.4		
2	230	2.2	360	1.9 - 2		
1		2.0 - 10		1.8		

Drilled to 240' WATER at
110' overnight CAUGHT water
Sample Drilled 420' Logged 412'
INST 420' OF vent pipe with 60' solid
360' PERF slurred 40 sacks

- ① 370 - 1.7 - 2.5
- ② 360 - 1.9 - 3.3
- ③ 350 - 2.4 - 4.2
- ④ 295 - 1.4 - 2.8
- ⑤ 285 - 2.0 - 3.7
- ⑥ 275 - 1.5 - 3.2
- ⑦ 265 - 1.9 - 3.5
- ⑧ 255 - 1.7 - 3.2
- ⑨ 245 - 1.9 - 3.7
- ⑩ 235 - 2.4 - 3.7

12.1 V 138 A = .88 ohms

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

Analysis No. 1-10865 Date September 30, 1983

Operator El Paso Natural Gas Well Name San Juan 27-5 #49 CPS 1699W

Location NE 18-27-5 County Rio Arriba State New Mexico

Field Blanco Formation _____

Sampled From 110 feet CPS 1699W

Date Sampled September 16, 1983 By Robert J. Babnick

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

Sodium	ppm <u>324</u>	epm <u>14.1</u>	Chloride	ppm <u>40</u>	epm <u>1.1</u>
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Calcium	TRACE	Bicarbonate	283	4.6
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Magnesium	TRACE	Sulfate	325	6.8
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Iron	_____	Carbonate	19	1.6
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H ₂ S	_____	Hydroxide	0	0
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cc: R. A. Ullrich
 E. R. Paulek
 J. W. McCarthy
 J. D. Evans
 W. B. Shropshire
 D. C. Adams
 File

Total Solids Dissolved 1,036

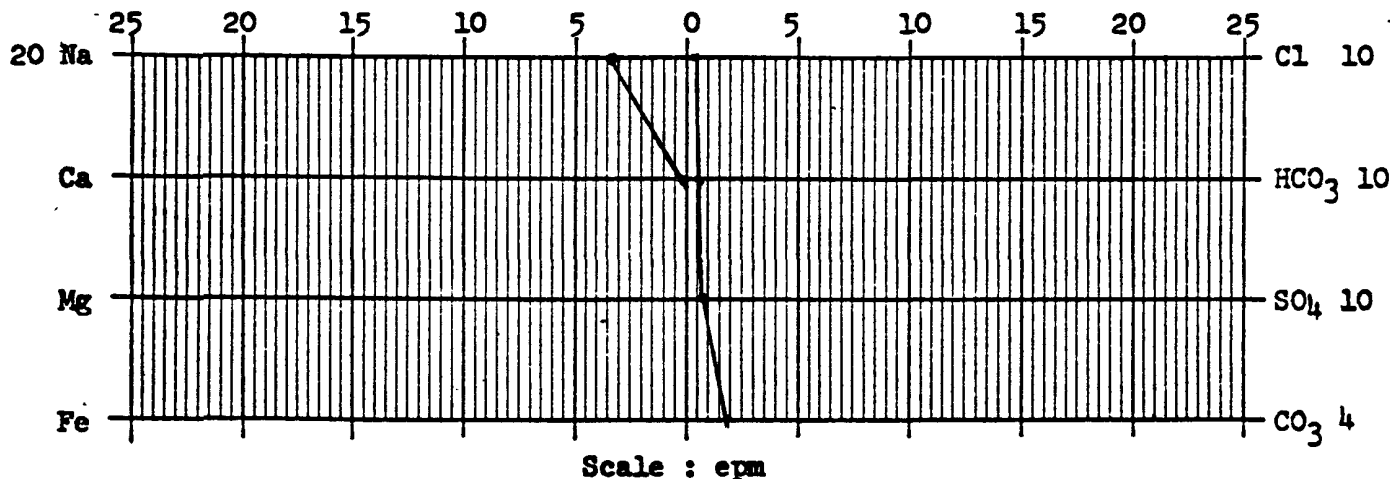
pH 8.5

Sp. Gr. 0.9714 At 60°F

Resistivity 606 ohm-cm at 74°F

Joe P. Barnett

Chemist GCK



SJ 27-5

49 PM

CPS# 1699

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

S. H.

RIG NO.

1

REPORT NO.

DATE 9-16

1985

[illegible]

SIGNED: Toolpusher

D. Alexander

____ Company Supervisor

Robert Balch