

1034

91- 30-039-07095-

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. 13 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #91

cps 1703w

Elevation 6868' Completion Date 9/28/83 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. 160' SAMPLE TAKEN

Depths gas encountered: N/A

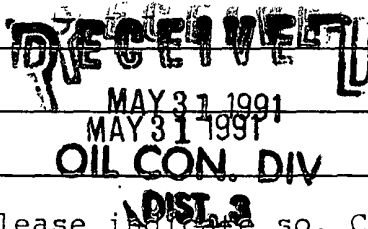
Type & amount of coke breeze used: 4500 lbs.

Depths anodes placed: 390', 380', 340', 330', 320', 310', 300', 290', 280', 270'

Depths vent pipes placed: 420'

Vent pipe perforations: 340'

Remarks: gb #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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto). ☐Completion Date 9-28-83

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins: Union Check
1703W	SAN JUAN 27-5 #91	80133-19-50-20-64	100' W = .76	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
NE13-27-5	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
420'	416'		4500	
Anode Depth				
# 1 390	# 2 380	# 3 340	# 4 330	# 5 320
# 6 310	# 7 300	# 8 290	# 9 280	# 10 270
Anode Output (Amps)				
# 1 2.47	# 2 3.35	# 3 3.50	# 4 4.01	# 5 4.65
# 6 5.21	# 7 4.34	# 8 4.54	# 9 4.06	# 10 3.29
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 11.27	Amps 14.6	Ohms .77		

Remarks: Driller said Damp at 80' Drilled to 120' waited 30 min. No water.
 Drilled to 340' water at 160' caught water sample next AM.
 Drilled to 420' Logged 416' inst 420' of vent pipe with 340'
 OF perforation. Slurried approx 45 sacks of coke

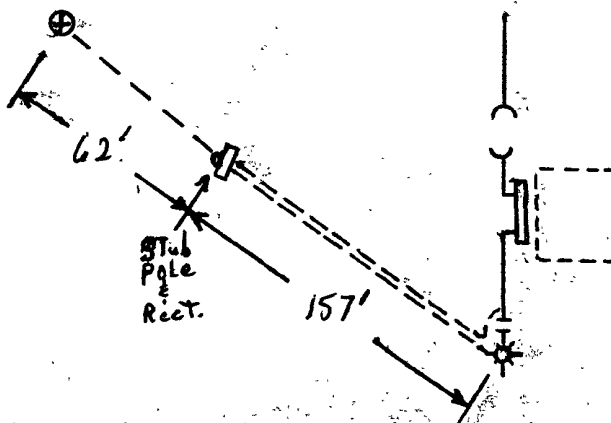
Rectifier Size: 40 V 16 A ✓
 Addn'l Depth _____
 Depth Credit: -84' ✓
 Extra Cable: 187' ✓
 Ditch & 1 Cable: 219' ✓
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: 1 ✓

8 reg 20T ✓

All Construction Completed

Robert Balovich
 (Signature)

GROUND BED LAYOUT SKETCH:



6 reg

1703W-NE13-27-5

55-27-5 #91 80133-19-50-20-64

ST 1/2 600' W = .76V 290MA

U=OK

1
9-28-83

RJB

26	80	10		340	2.29 - 3
25					1.49
24	90	20		50	.94
23					.92
22	100	30		60	.78
21					.71
20	10	40		70	1.07
19					1.28
18	20	50	1.42	80	2.07 - 2
17			2.62		1.77
16	30	60	2.72	90	1.59 - 1
15			2.51		.79
14	40	70	1.86 - 10	400	.78
13			1.79		1.59
12	50	80	2.26 - 9	10	1.72
11			2.48		1.65
10	60	90	2.97 - 8	20	
9			2.10		
8	70	300	2.00 - 7		
7			2.17		
6	80	10	3.00 - 6		
5			3.12		
4	90	20	2.85 - 5		
3			2.88		
2	100	30	2.53 - 4		
			2.38		

Driller said Dmpat 80' Drilled to 120' waited 30 min caught ~~water~~ sample - did not separate Drilled 340' water 160 caught water next am Drilled to 420' tight spot in hole coming out at 80' chased out to 120' Logging anode hit water at 250' Logged to 416' slurried 45 sacks 420' vent with 340' perf.

- ① 390 - 1.59 - 2.47
- ② 380 - 2.09 - 3.35
- ③ 340 - 2.28 - 3.50
- ④ 330 - 2.48 - 4.01
- ⑤ 320 - 2.85 - 4.65
- ⑥ 310 - 3.16 - 5.21
- ⑦ 300 - 2.73 - 4.34
- ⑧ 290 - 2.89 - 4.54
- ⑨ 280 - 2.29 - 4.06
- ⑩ 270 - 2.04 - 3.29

11.27V 14.6 A = .77 ohms

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

Analysis No. 1-10914 Date November 14, 1983
 Operator El Paso Natural Gas Well Name San Juan 27-5 #91 CPS 1703W
 Location NE 13-27-5 County Rio Arriba State New Mexico
 Field Blanco Formation _____
 Sampled From 160 feet

Date Sampled September 28, 1983 By Robert Babnick

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>702</u>	<u>30.5</u>	Chloride <u>22</u>
Calcium <u>34</u>	<u>1.7</u>	Bicarbonate <u>290</u>
Magnesium <u>3</u>	<u>0.2</u>	Sulfate <u>1,300</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 2,334

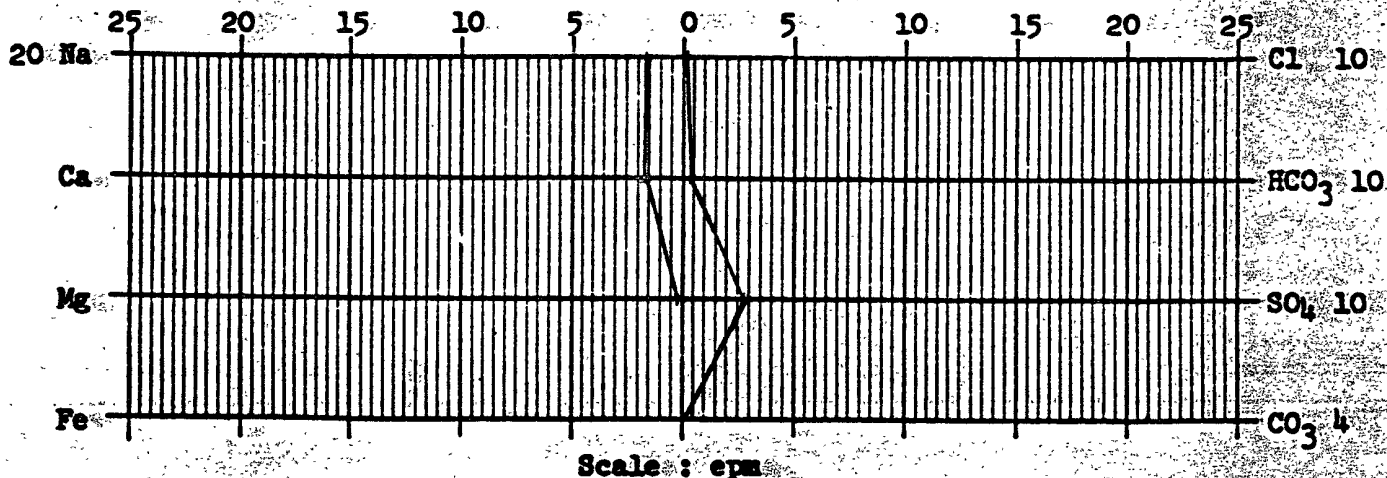
pH 8.25

Sp. Gr. 1.0017 At 60°F

Resistivity 233 ohm-cm at 77°F

Dennis P. Bird

Chemist GCK



527.5

91

QPS 1703 W

DAILY DRILLING REPORT

LEASE

WELL NO

CONTRACTOR

RIG NO.

REPORT NO.

DATE 9-29

1987

[illegible]

SIGNED: Toolpusher

____ Company Supervisor