

1037

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137- 30-039-20470

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 #137

cps 1700w

Elevation 6534' Completion Date 9/19/83 Total Depth 500' 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. 155' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 5500 lbs.

Depths anodes placed: 460', 425', 370', 350', 325', 290', 280', 270', 235'

Depths vent pipes placed: 500'

Vent pipe perforations: 320'

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.

RECEIVED
MAY 31 1991
DIST. 3

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date 9-19-83

CPS #	Well Name, Line or Plant	Work Order #	Static:	Ins. Union Check
1700W	San Juan 27-5 #137	64973-19-50-20-24	200'SW = 80	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
NE18-27-5	2" x 60"	Duriron	6 3/4 Rock	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
500'	491		5500	
Anode Depth				
# 1 460	# 2 425	# 3 370	# 4 360	# 5 350
# 6 335	# 7 290	# 8 280	# 9 270	# 10 235
Anode Output (Amps)				
# 1 2.05	# 2 1.95	# 3 2.28	# 4 3.94	# 5 3.35
# 6 3.34	# 7 2.58	# 8 4.50	# 9 3.65	# 10 3.11
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 11.66	Amps 13.36	Ohms .87		

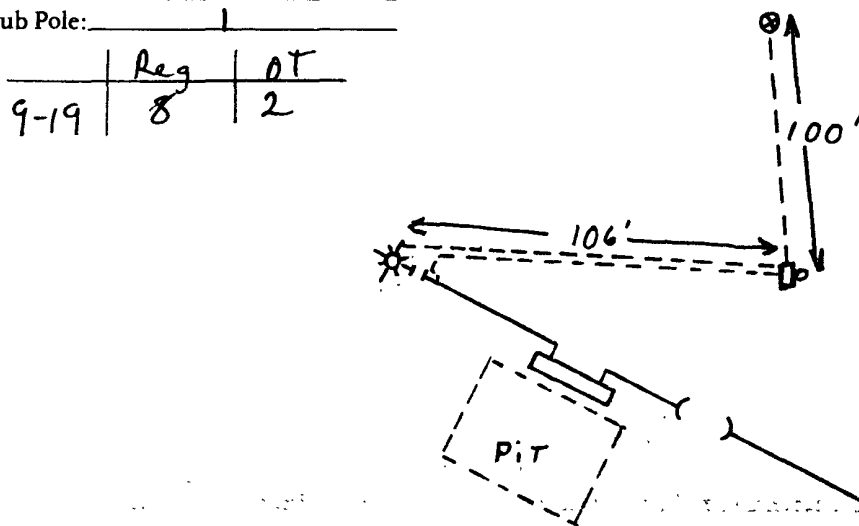
Remarks: Driller said water at 210' Drilled to 160' on 9-16 Drilled to 420' 9-18 water at 155' next am caught water sample Drilled to 500' Logged 491' INST 500' OF vent pipe with 320' perforated - Slurried Approx 55 sacks of coke.

Rectifier Size: 40 V 16 A
 Addn'l Depth: _____
 Depth Credit: -9 ✓
 Extra Cable: 136 ✓
 Ditch & 1 Cable: 206
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: 1

All Construction Completed

Robert J. Balnick
 (Signature)

GROUND BED LAYOUT SKETCH



Drilled to 160' 9-11 drilled to
 420' 9-18 water at 155' next am
 water at 210' and 255' caught
 water sample drilled 500' logged
 inst 500' vent pipe with 320'
 perforated - slotted 55 sacks
 of coke

- ① 460 - 1.30 - 2.05
- ② 425 - 1.07 - 1.95
- ③ 370 - 1.25 - 2.28
- ④ 360 - 2.12 - 3.94
- ⑤ 350 - 1.64 - 3.35
- ⑥ 350 - 1.89 - 3.34
- ⑦ 290 - 1.56 - 2.58
- ⑧ 280 - 2.56 - 4.50
- ⑨ 270 - 2.03 - 3.65
- ⑩ 235 - 1.42 - 3.11

11.66V 13.36A = .87 ohms

28	155	280	228 - 8	410	97
25	160	290	1.78	420	1.07
24	170	300	1.43 - 7	430	1.11
23	180	310	1.73	440	1.12 - 2
22	190	320	.38	450	1.07
21	200	330	.33	460	.88
20	210	340	.34	470	.59
19	220	350	.33	480	.80
18	230	360	1.83 - 5	490	1.13
17	240	370	1.68	500	1.28 - 1
16	250	380	2.16 - 4		1.48
15	260	390	1.78		.93
14	270	400	1.30 - 3		.60
13	280	410	1.01		.59
12	290	420	.94		.38
11	300	430	.97		.88
10	310	440	1.07		1.07
9	320	450	1.25 - 10		1.12
8	330	460	1.57		1.11
7	340	470	.54		1.07
6	350	480	.73		.97
5	360	490	1.73		.96
4	370	500	1.86		1.86
3	380		1.94		1.73 - 9
2	390		1.07		1.86
1	400		.94		400

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

Analysis No. 1-10862 Date September 30, 1983

Operator El Paso Natural Gas Well Name San Juan 27-5 #137 CPS 1700W

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

Field Blanco Formation

Sampled From 155 feet CPS 1700 W

Date Sampled September 19, 1983 By Robert J. Babnick

Tbg. Press. Csg. Surface Csg. Press.

Sodium	ppm	epm	Chloride	ppm	epm
	231	10.0		12	0.3

Calcium	TRACE		Bicarbonate	251	4.1
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Magnesium	TRACE		Sulfate	183	3.8
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Iron			Carbonate	53	1.8
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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 770

pH 8.9

Sp. Gr. 0.9714 At 60°F

Resistivity 976 ohm-cm at 74°F

Joe P. Barnett

Chemist GCK

