

432

86-30-039-06997
171-30-039-20476

6

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. 24 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #86, #171

cps 1300w

Elevation 6352' Completion Date 9/5/78 Total Depth 335' Land Type* N/A

Casing, Sizes, Types & Depths 20' OF 8" CASING

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. 85', 185', 275'

Depths gas encountered: N/A

Type & amount of coke breeze used: 43 SACKS

Depths anodes placed: 205', 195', 160', 150', 140'

Depths vent pipes placed: 220'

Vent pipe perforations: 220'

Remarks: gb #1

Gb #1 Gb #2

RECEIVED
MAY 31 1991
OIL CON. DIST.

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.

E

837

86
171

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. 24 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SNAN JUAN @* c UNIT #86, #171
cps 1300w

Elevation 6352' Completion Date 9/5/78 Total Depth 335' 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. 85'

Depths gas encountered: N/A

Type & amount of coke breeze used: 37 SACKS

Depths anodes placed: 205', 195', 155', 145', 135'

Depths vent pipes placed: -20'

Vent pipe perforations: 200'

Remarks: gb #2

RECEIVED
MAY 81 1991
OIL CON. DIV
DIST ?

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

9-5-78

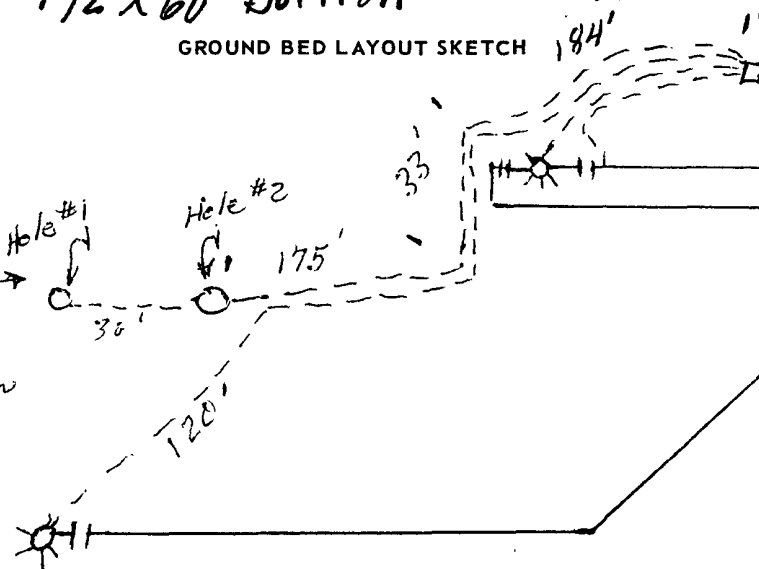
Well Name S.J. 28-6-# 86 # 171	Location NE 24-27-6	CPS No. 1300W
Type & Size Bit Used 6 3/4"		Work Order No. #86 = 53606-19 #171 = 55202-19
Anode Hole Depth 335'	Total Drilling Rig Time Anodes 1 thru 5 Hole #1	Lost Circulation Mat'l Used Anodes 6 thru 10 Hole #2
Anode Depth		
#1 205'	#2 195'	#3 160'
#4 150'	#5 140'	#6 205'
#7 195'	#8 155'	#9 145'
#10 135'		
Anode Output (Amps)		
#1 2.5	#2 2.7	#3 2.6
#4 2.4	#5 2.5	#6 2.6
#7 3.4	#8 2.6	#9 2.3
#10 2.8		
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		
Volts 11.9	Amps 11.9	Ohms 1100
No. 8 C.P. Cable Used		No. 12 C.P. Cable Used

Remarks: Static #86 600' NW = 0.79. Static #171 600' N = 0.74. Drilled sand water @ 85'. Next AM water standing @ 85' more water @ 185' & 215'. Installed 20' of 8" PVC casing in Hole #1. Bit Plugged @ 340' Logged Hole. Run for 5 anodes. Hole washed out to back to go to mud more 30' & drilled Hole #2. Installed 5 anodes. Perforated 220' of 1" PVC vent pipe & installed 220' of 1" PVC vent pipe Hole #1. Perforated 220' of 1" PVC vent pipe & installed 220' of 1" PVC vent pipe Hole #2. Water standing in Hole #1 after 3 days @ 45'. Drilled Hole #2 to 1" to get good water. Hole #1 & Hole #2 making 40 gals per min. Each. All Construction Completed. Slurried 43 sacks of coke Hole #1. Slurried 37 sacks of coke Hole #2. 60V30A Rectifier. 1 1/2" x 60" Dupiron. 20' meter Pole. W. Z. Smith (Signature)

GROUND BED LAYOUT SKETCH

Hole Depth = 165'
Ditch & cable = 612'
Extra cable = 760'

Anodes in Hole #2
terminate in Junction
Box @ Hole #2



DISTRIBUTION:

WHITE - Division Corrosion Office
YELLOW - Area Corrosion Office
PINK - Originator File

e 352

S.J. 28-6# 86

Hole #1

CPS 1300 W

53606-1966

S.J. 28-6# 171

NE 24-27-6

55202-1966

Static #86 600' NW = 0.79

Static #171 600' N = 0.74

DRILLER SAID MAKING WATER @ 85' DRILLED
TO 100' NEXT A.M. WATER STANDING @ 85'
MORE WATER @ 185' @ 275' 40 GALS PER MIN.
PERFORATED 220' of 1" PVC VENT PIPE
INSTALLED 220' of 1" PVC VENT PIPE

MW gals/mol

16.04 C₁ 6.430.07 C₂ 10.1244.10 C₃ 10.4258.12 IC₄ 12.3858.12 nC₄ 11.9372.15 IC₅ 13.8572.15 nC₅ 13.7186.18 IC₆ 15.5086.18 C₆ 15.57100.21 IC₇ 17.2100.21 C₇ 17.4614.23 C₈ 19.3928.05 C₂ 8.8442.08 C₃ 9.67

80	.5	70	.4	SLURRIED 43 SACKS OF COKE	166'
	.6		.5	SLURRIED 30 SACKS OF COKE	Hole #2
90	.5	80	.5	PERFORATED 220' of 1" PVC VENT PIPE	
	.3		.6	INSTALLED 220' of 1" PVC VENT PIPE	
100	.3	90	.7		
	.4	300	.6		
10	.4		.5		
20	.3	10	.5		
	.3	20	.5		
30	.5		.3		
	.3	30	.3		
40	1.1	40	.3		
	1.0				
50	1.0				
	1.0	50			
60	1.1	60			
	.8				
70	.8	70			
	.5				
80	.5	80			
	.7				
90	.8	90			
	1.1				
100	1.3				
	1.1	100			
	.6				
	.5				
10	.5				
	.4				
20	.4				
	.4				
30	.4				
	.4				
40	.4				
	.4				
50	.4				
	.4				
60	.4				
	.4				
70	.4				
	.4				
80	.4				
	.4				
90	.4				
	.4				
100	.4				
	.4				

60V 30A Rectifier

20' MOTOR Pole

Hole Depth = 165'

Ditch 5' CABLE = 513'

EXTRA CABLE = 760'

W MISC gals/mol

00 O₂ 3.37

01 CO 4.19

01 CO₂ 6.3806 SO₂ 5.5008 H₂S 5.1701 N₂ 4.1602 H₂ 3.38

Hole #1	① 205 - 1.3	2.5	12.1 volts
	② 195 - 1.6	2.7	7.7 Amps
	③ 160 - 1.4	2.6	1.6 ohms
	④ 150 - 1.3	2.4	
	⑤ 140 - 1.3	2.5	
	⑥ 205 - 1.5	2.6	
Hole #2	⑦ 195 - 2.1	3.4	
	⑧ 155 - 1.5	2.6	
	⑨ 145 - 1.4	2.3	
	⑩ 135 - 1.6	2.8	

Both C-2 Bores

VOLTS = 11.0

AMPS = 11.9

OHMS = 1.00

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

Analysis No. 1-9338 Date SEPTEMBER 18, 1978
 Operator EPNG Well Name SAN JUAN 28-6 #86 & #171

Location 24-27-6 County RIO ARRIBA State NM

Field _____ Formation _____

Sampled From CPS ~~1200~~

Date Sampled _____ By _____

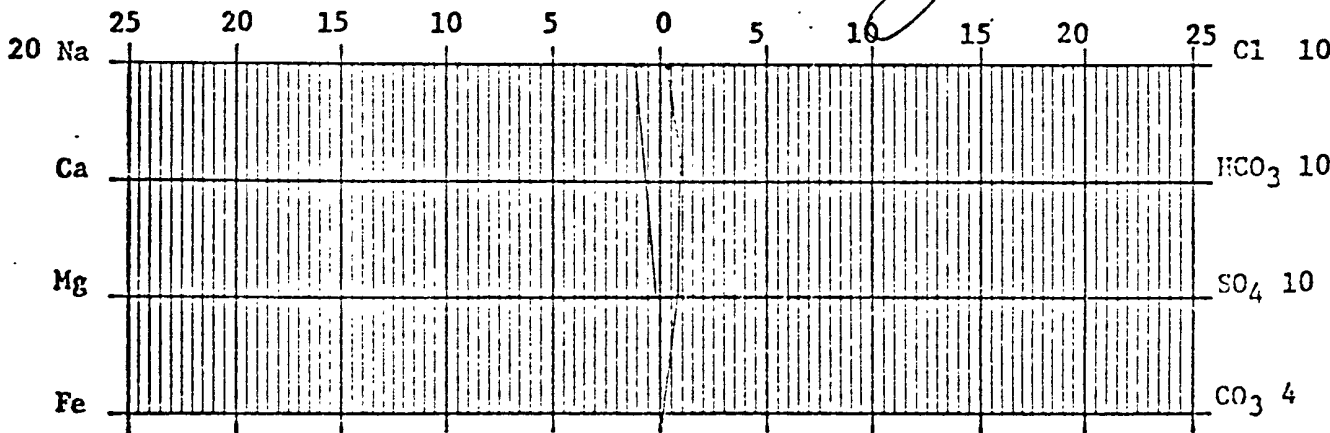
Tbg. Press.	Csg. Press.	Surface Csg. Press.
ppm	epm	ppm epm
Sodium <u>409</u>	<u>17.8</u>	Chloride <u>14</u> <u>.4</u>
Calcium <u>13</u>	<u>0.7</u>	Bicarbonate <u>573</u> <u>9.4</u>
Magnesium <u>.5</u>	<u>.1</u>	Sulfate <u>400</u> <u>8.3</u>
Iron <u>PRESENT</u>		Carbonate <u>14</u> <u>0.5</u>
H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u> <u>0</u>

cc: D.C.Adams
 R.A.Ullrich
 E.R.Paulek
 J.W.McCarthy
 A.M.Smith
 W.B.Shropshire
 File

Total Solids Dissolved 560
 pH 8.5
 Sp. Gr. 1.0014 at 60°F
 Resistivity 600 ohm-cm at 71 °F

Alton James

 Chemist



Scale: epm

DRILLING DEPARTMENT

3

DAYLIGHT

DAYLIGHT

2

10

... ..

[illegible]