

1292

#86M 30-039-22934 E

#173 30-039-20869

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 9 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #86M, #173cps 1596wElevation 7334' Completion Date 7/9/81 Total Depth 380' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf 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. 100' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 4500 lbs.Depths anodes placed: 345', 335', 325', 245', 195', 185', 175', 165', 155', 145'Depths vent pipes placed: 367'Vent pipe perforations: 280'Remarks: gb #1

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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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

(2" X 60" Durion)

Completion Date 7/9/81

Well Name S.J. 27-5 #86 M. 27-5 #173		Location SE 9-27-5		CPS No. 1596 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57963-21-50-20 55619-21-50-20	
Anode Hole Depth 380 T.P. 367'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth,					
# 1 345'	# 2 335'	# 3 325'	# 4 245'	# 5 195'	# 6 185'
# 7 175'	# 8 165'	# 9 155'	# 10 145'		
Anode Output (Amps)					
# 1 3.6	# 2 4.6	# 3 4.1	# 4 4.4	# 5 3.6	# 6 3.6
# 7 4.0	# 8 4.8	# 9 4.4	# 10 3.8		
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				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.0	Amps 19.6	Ohms .61			

Remarks: STATIC ON S.J. 27-5 #86 M = 600' W = .79 V STATIC ON S.J. 27-5 #173
600' W = .73 V Driller said water AT 100'. STOPPED DRILLING AT 100'
WATER STANDING IN HOLE NEXT A.M. AT 80'. TOOK WATER SAMPLE. HOLE
MAKING APPROX 2-3 GAL/MIN. DRILLED 380', LOGGED 367'. INSTALLED 367'
OF 1" PVC VENT PIPE. PERFORATED 280'.

COKE WAS ~~HAULED~~ HAULED IN BULK. APPROX 4500 LB. OF COKE IN HOLE

1- 25' meter Loop Pole

All Construction Completed

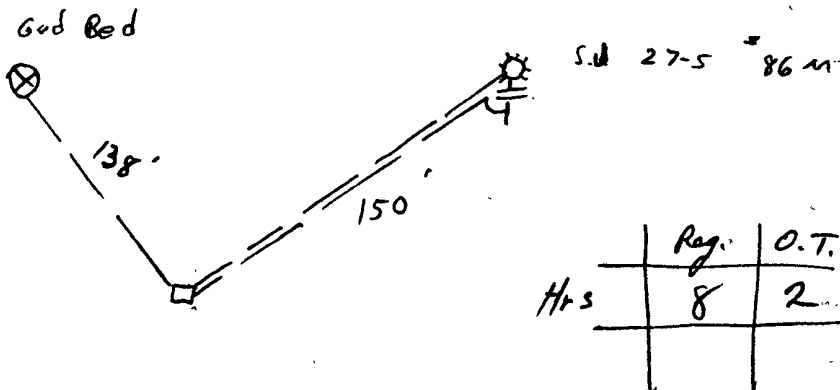
1- 60V 30A RECT.

Hole Depth - 133'

GROUND BED LAYOUT SKETCH

(Signature)
(Signature)

E.P.N.G. WILL INSTALL ALL CABLE ON THIS LOCATION.



DISTRIBUTION:

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

7334

S.J. 27-5 #173

Date: _____

By: _____

S.N. 27-5 # 86M

CPS 1596 W

W.S. 37963-21-50-20

S.N. 27-5 # 173

SE 9-27-5

55619-21-50-20

MW	gals/mol
1604 C1	6.4
3007 C2	10.12
4410 C3	10.42
5812 iC4	12.38
5812 nC4	11.93
7215 iC5	13.85
7215 nC5	13.71
8618 iC6	15.50
8618 C6	15.57
10021 iC7	17.2
10021 C7	17.46
11423 C8	19.39
2805 C2	9.64
4208 C3	9.67

MW	MISC	gals/mol
3200 O2		3.37
2801 CO		4.19
4401 CO2		6.38
6406 SO2		5.50
3408 H2S		5.17
2801 N2		4.16
202 H2		3.38

100 - 1.26 260 - 1.0

1.4 .9

10 - 1.3 70 - .8

1.2 .7

20 - 1.0 80 - .7

.5 .6

30 - .5 90 - .6

.4 .4

40 - .4 300 - .4

1.3 - (10) .5

50 - 1.5 10 - .4

1.5 - (7) .7

60 - 1.6 20 - 1.0

1.6 - (8) 1.4 - (3)

70 - 1.5 30 - 1.4 -

1.4 - (7) 1.5 - (2)

80 - 1.4 40 - 1.5 -

1.3 - (6) 1.3 - (0)

90 - 1.3 50 - 1.1

1.3 - (3) 1.0

200 - 1.0 60 - .9

.2 .9 (367 T.D.)

10 - .2 70 -

.2

20 - .3 80 - Drilled To

.4

30 - .9

1.1

40 - 1.1

1.1 - (2)

50 - 1.1

1.1

Driller SAID WATER AT 100'

Stopped Drilling AT 100' WATER

STANDING IN Hole AT 20 next A.M.

Took WATER sample Hole making

Approx. 2-3 gal/min Drilled 380'

Logged 367' installed 367'

of 1" P.V. vent Pipe

Perforated 280'

12.0 V 19.6 A = .61 Ω

7/9/81

JL

1 - 345' - 2.0 - 3.6

2 - 335' - 2.4 - 4.6

3 - 325' - 2.1 - 4.1

4 - 245' - 1.7 - 4.4

5 - 175' - 2.0 - 3.6

6 - 185' - 2.0 - 3.6

7 - 175' - 2.2 - 4.0

8 - 165' - 2.5 - 4.8

9 - 155' - 2.3 - 4.4

10 - 145' - 1.9 - 3.8

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

Analysis No. 1-10248 Date 7-15-81
Operator EPNG Well Name SJ 27-5 #86M 100 ft. CPS 1596W
Location SE 9-27-5 County Rio Arriba State New Mexico
Field Blanco Formation _____
Sampled From _____
Date Sampled 7-9-81 By _____
Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____
Sodium 74 ppm 3.2 epm Chloride 12 ppm .4 epm
Calcium 21 ppm 1.1 epm Bicarbonate 220 ppm 3.6 epm
Magnesium 6 ppm .5 epm Sulfate 39 ppm .8 epm
Iron Absent Carbonate 0 ppm 0 epm
H₂S Absent Hydroxide 0 ppm 0 epm
cc: R. A. Ullrich Total Solids Dissolved 300 ppm
E. R. Paulek pH 7.85
J. W. McCarthy
J. D. Evans
W. B. Shropshire Sp. Gr. .9945 At 60°F
D. C. Adams Resistivity 2105 ohm-cm at 73°F
File

Hole making approx. 2-3
gal/min.

Debbie Denetala RZE
Chemist

