

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 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #86M, #173

cps 1596w

Elevation 7334' Completion Date 7/9/81 Total Depth 380' 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. 100' SAMPLE TAKEN

Depths gas encountered: N/A

Type & 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

RECEIVED

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" Duriron)

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'
Anode Output (Amps)	# 1 3.6	# 2 4.6	# 3 4.1	# 4 4.4	# 5 3.6
Anode Depth	# 6 185'	# 7 175'	# 8 165'	# 9 155'	# 10 145'
Anode Output (Amps)	# 6 3.6	# 7 4.0	# 8 4.8	# 9 4.4	# 10 3.8
# 11	# 12	# 13	# 14	# 15	# 16
# 11	# 12	# 13	# 14	# 15	# 16
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 = .79V STATIC ON S.J. 27-5 #173
600' W. = .73V 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

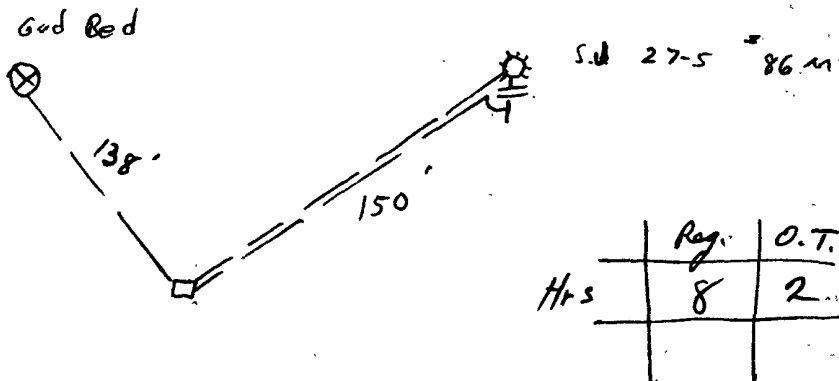
1- 60V 30A RECT.

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

S.S. 27-5 # 86M
S.S. 27-5 # 173CPS 1596 W
S.S. 9-27-5W.O. 37963-21-50-20
SSG19-21-50-20

MW	gals/mol
16 04	C1 6.4
30 07	C2 10.12
44 10	C3 10.42
58 12	iC4 12.38
58 12	nC4 11.93
72 15	iC5 13.85
72 15	nC5 13.71
86 18	iC6 15.50
86 18	C6 15.57
100 21	iC7 17.2
100 21	C7 17.46
114 23	C8 19.39
28 05	C2 9.64
42 08	C3 9.67

MW	MISC	gals/mol
32 00	O2	3.37
28 01	CO	4.19
44 01	CO2	6.38
64 06	SO2	5.50
34 08	H2S	5.17
28 01	N2	4.16
2 02	H2	3.38

100 - 1.26 260 - 1.0

1.4 1.9

10 - 1.3 75 - 1.8

1.2 1.7

20 - 1.0 80 - 1.7

1.5 1.6

30 - 1.5 90 - 1.6

1.4 1.4

40 - 1.4 300 - 1.4

1.3 - (10) 1.5

50 - 1.5 10 - 1.4

1.5 - (7) 1.7

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 - 1.9

1.2 1.9 (367 T.D.)

10 - 1.2 70 -

1.2

20 - 1.3 80 - Drilled to

1.4

30 - 1.9

1.1

40 - 1.1

1.1 - (0)

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 - 195' - 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

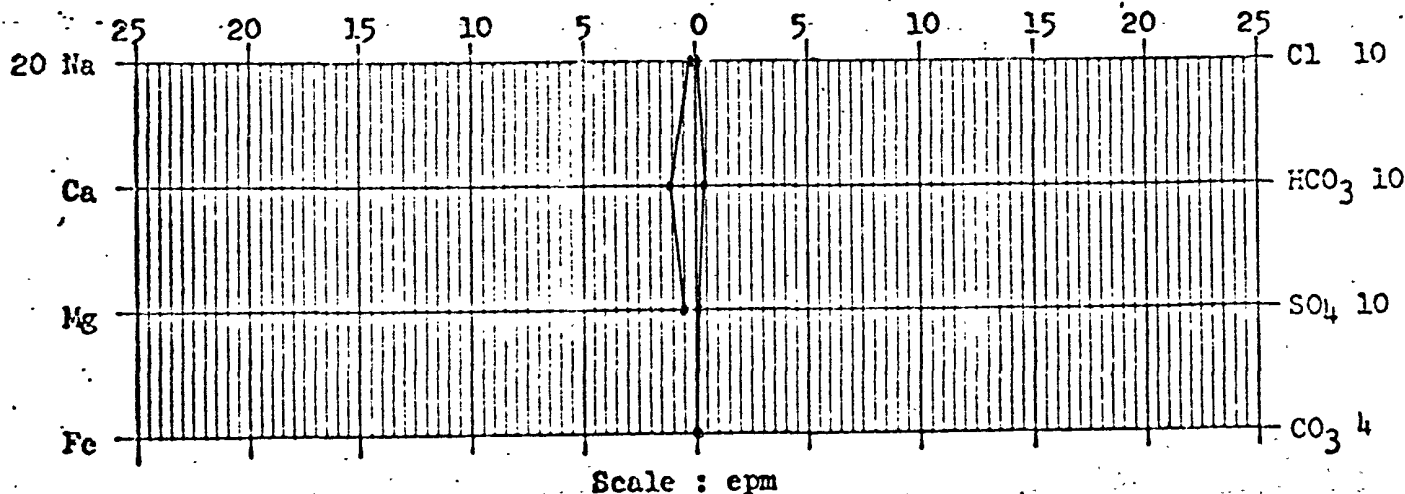
10 - 145' - 1.9 - 3.8

EL 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 Sp. Gr. .9945 At 60°F
J. D. Evans Resistivity 2105 ohm-cm at 73°F
W. B. Shropshire
D. C. Adams
File

Hole making approx. 2-3
gal/min.

Debbie Denetlau RZE
Chemist



DAILY DRILLING REPORT

LEASE					WELL NO.					CONTRACTOR					RIG NO.					REPORT NO.					DATE														
SJ 27-5 #86M and F173										CPS 1596W																				July 8, 1981									
MORNING										DAYLIGHT										EVENING																			
Driller					Total Men In Crew					Driller					Total Men In Crew					Driller					Total Men In Crew														
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.																				
BIT NO.					NO. DC SIZE LENG.					BIT NO.					NO. DC SIZE LENG.					BIT NO.					NO. DC SIZE LENG.														
AL NO.					STANDS					SERIAL NO.					STANDS					SERIAL NO.					STANDS														
SIZE					SINGLES					SIZE					SINGLES					SIZE					SINGLES														
TYPE					DOWN ON KELLY					TYPE					DOWN ON KELLY					TYPE					DOWN ON KELLY														
MAKE					TOTAL DEPTH					MAKE					TOTAL DEPTH					MAKE					TOTAL DEPTH														
MUD RECORD			MUD, ADDITIVES USED AND RECEIVED							MUD RECORD			MUD, ADDITIVES USED AND RECEIVED							MUD RECORD			MUD, ADDITIVES USED AND RECEIVED																
Time	Wt.	Vis.								Time	Wt.	Vis.								Time	Wt.	Vis.																	
FROM	TO	TIME BREAKDOWN								FROM	TO	TIME BREAKDOWN								FROM	TO	TIME BREAKDOWN																	
100	110	Shale								340	380	Sandy Shale																											
110	130	Sand																																					
130	200	Shale																																					
200	230	Sand																																					
230	280	Shale																																					
280	340	Sand																																					
REMARKS -										REMARKS -										REMARKS -																			
Water 100 feet water in hole at 80 AM																																							
2-3 gallon Min																																							
Drilled 380 TD-367																																							

SIGNED: Toolpusher

Steve Tracy

Company Supervisor