

2672

#53 30-039-07118 E

#104 30-039-20840

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 8 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #53, #104

cps 1289w

Elevation 6203' Completion Date 9/7/78 Total Depth 320' 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. 80' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 61 SACKS

Depths anodes placed: 290', 280', 270', 260', 195', 185', 175', 130', 95', 85'

Depths vent pipes placed: 300'

Vent pipe perforations: 260'

Remarks: gb #1 HOLE CAVED, RETRIEVED #4 ANODE. #1 & #2 D.D. GET COKE

AROUND THEM.

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.

993

8

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

Operator MERIDIAN OIL Location: Unit SW Sec. 8 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #53, #104  
cps 1289w

Elevation 6203' Completion Date 9/7/78 Total Depth 160' 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. 80'

Depths gas encountered: N/A

Type & amount of coke breeze used: 25 SACKS

Depths anodes placed: 120', 90', 80'

Depths vent pipes placed: 155'

Vent pipe perforations: 120'

Remarks: gb #2

**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)

# 104

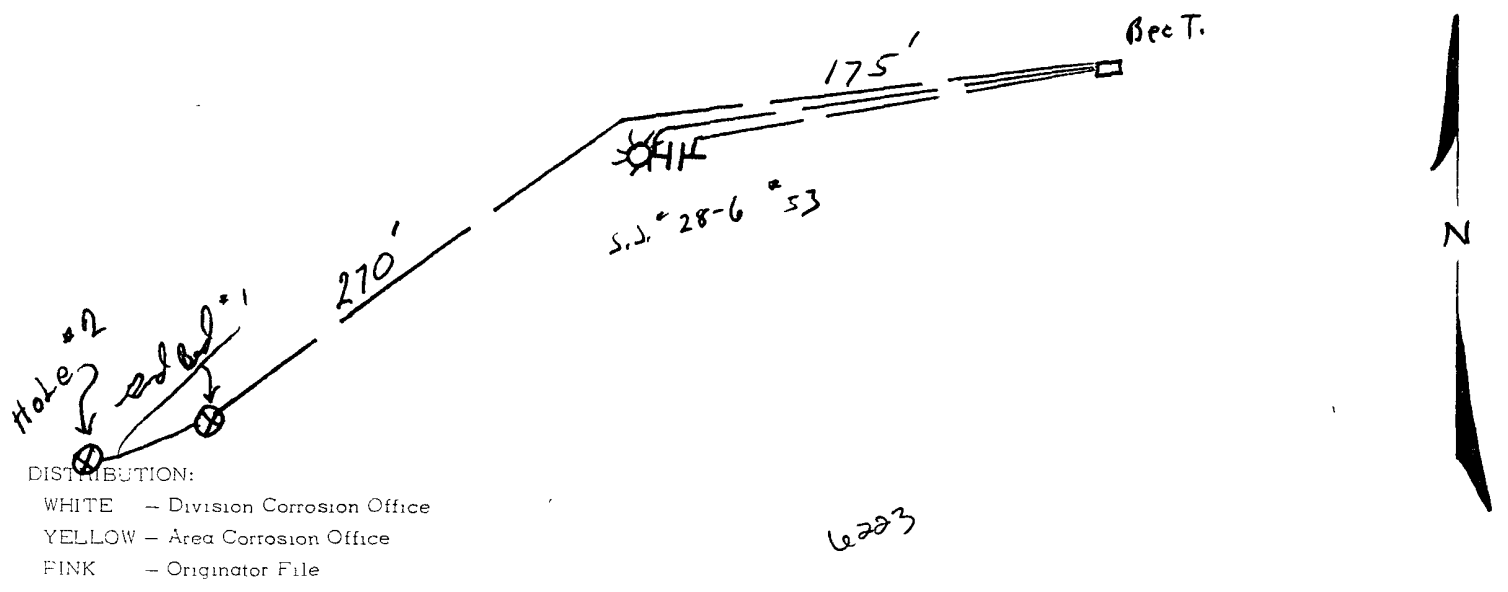
Completion Date 9/1/78

Well Name S.J. 28-6 #53				Location SW 8-27-6				CPS No. 1289 W			
Type & Size Bit Used 6 7/8"				Total Drilling Rig Time Hole #1 = 61 SACKS				Work Order No. 52955-19			
Anode Hole Depth 320 T.D - 313		Total Lbs. Coke Used Hole #2 = 25 SACKS		Least Circulation Mat'l Used		No. Sacks Mud Used					
Anode Depth		Anode Output (Amps)		Anode Depth		Anode Output (Amps)					
# 1 290	# 2 280	# 3 270	# 4 260	# 5 195	# 6 185	# 7 175	# 8 130	# 9 95	# 10 85		
# 1 1.3	# 2 1.5	# 3 3.9	PULLED		# 5 2.03	# 6 2.8	# 7 2.6	# 8 1.9	# 9 1.5	# 10 2.7	
Anode Depth		Anode Output (Amps)		Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			
# 1 120	# 2 90	# 3 0	# 4 80	# 5 15	# 6 16	# 7 17	# 8 18	# 9 19	# 10 20		
# 1 2.0	# 2 1.8	# 3 13	# 4 1.8	# 5 15	# 6 16	# 7 17	# 8 18	# 9 19	# 10 20		
Volts 12.1 V				Amps 10.7 A				Ohms 1.13			

Remarks: STATIC 600' W. = .91 V. Driller said WATER AT 80', APPROX.  
12 GAL/MIN. TOOK WATER SAMPLE. DRILLED TO 280', NOT ENOUGH HOLE  
DRILLED TO 320'. LOGGED 313'. HOLE CAVED, RETRIEVED #4 ANODE  
#1 + #2 DID NOT GET COKE AROUND THEM. INSTALLED 300' OF  
1" P.V.C. VENT PIPE PERFORATED 260'. ANODES #11, #12, + #13 ARE IN #2  
HOLE, 20' FROM #1 HOLE. 155' OF 1" P.V.C. VENT PERFORATED 120'.  
DITCH & 1 CABLE = 445' ALL WIRES IN ONE JCT. BOX  
EXTRA CABLE = 350' All Construction Completed  
Stub pole + 40V 16A RECT.  
Hole depth - 187'

*JC Smith*  
(Signature)

GROUND BED LAYOUT SKETCH



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

6223

CPS = 1289 W Hole #1

S.J. 28-6 53 SW 8-27-6 52955-19

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 9.84
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

80 - .9 .8	80 - 1.4 - ②	Driller said water AT 80: Took water sample, Hole making approx. 12 gal/min
1.5 1.4 - ③	1.6	Drilled to 280' NOT enough hole. Drilled to
90 - 1.7 1.6	90 - 1.4 - ①	320'. Logged 313'. Hole
1.0 1.0 - ④	.7	CAVED, Retrieved "4
100 - .9 .8	300 - .6	313-T.D. A Node, "14" 2" DID NOT
.8 .7	20 - Drilled to	get cake around filter
10 - .8 .7		
.6 .6		
20 - .6 .5		
1.1 1.0		
30 - 1.2 1.1 - ⑤		
.7 .7		
40 - .7 .7		
.8 .8		
50 - .7 .7		
.6 .6		
60 - .6 .6		
.7 .7		
70 - .7 .7		
1.6 1.6 - ⑥		
80 - 1.2 1.3		
1.4 1.4 - ⑦		
90 - 1.5 1.5	1 - 290 - 1.32 - 1.3	
.9 .9 - ⑧	2 - 280 - 1.5 - 1.5	
200 - .8 .8	3 - 270 - 2.0 - 3.9	
.7 .7	4 - 260 - 2.1	Pulled "4 out of hole
10 - .6 .6	5 - 195 - 1.0 - 2.03	
.6 .6	6 - 185 - 1.7 - 2.8	
20 - .5 .5	7 - 175 - 1.5 - 2.6	
.5 .5	8 - 130 - 1.4 - 1.9	
30 - .5 .5	9 - 95 - 1.0 - 1.5	
.5 .5	10 - 85 - 1.9 - 2.7	
40 - .6 .6		
.5 .5		
50 - .5 .5		
.8 .8		
60 - 2.2 2.4 - ⑨		
1.8 1.7		
70 - 2.0 1.9 - ⑩		
1.1 1.2		

10.7A 12.1V = 1.13Ω

9/1/78  
JH

CPS = 1289 W

Hole #2

SJ. \*28-6 \*53

SN 8-27-6

52955-19

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	C7	17.2
100.21	C7	17.46
114.23	C8	19.39
28.05	C2	9.64
42.08	C3	9.67

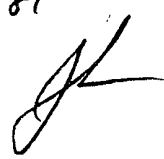
Driller said WATER AT 60'  
 Approx 12 gal/min. Drilled  
 160'. Logged 155'. Installed  
 155' of 1" P.V.C. Vent Pipe  
 Perforated To 120'

80 - 1.0 - ⑬  
 90 - 1.0 - ⑭  
 100 - .6  
 10 - .6  
 20 - 1.2 - ⑪  
 30 - .7  
 40 - .8  
 50 - .7  
 155' - T.D.  
 60 - Drilled To

11 - 120 - 1.4 - 2.0  
 12 - 90 - 1.1 - 1.8  
 13 - 80 - 1.0 - 1.8

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

BOTH HOLES  
 TOTAL 12.2 v. 12.2 A = 1.0 ~

9/8/78  


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

Analysis No. 1-9335 Date SEPTEMBER 18, 1978

Operator EPNG Well Name SAN JUAN 28-6 #53

Location SW 8-27-6 County RIO ARRIBA State NM

Field \_\_\_\_\_ Formation \_\_\_\_\_

Sampled From 289W 80' 12gal/m

Date Sampled \_\_\_\_\_ By \_\_\_\_\_

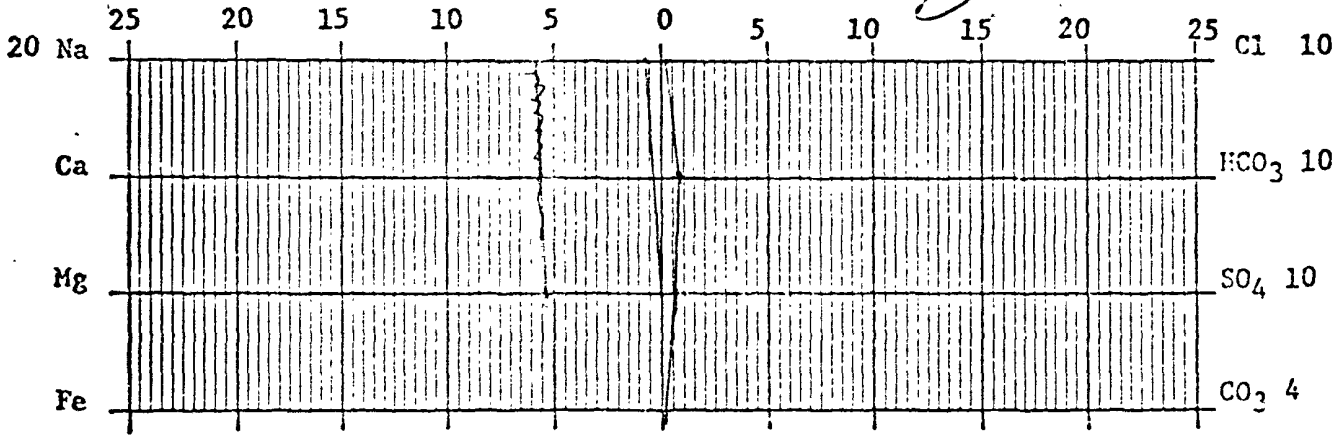
Tbg. Press. _____	Csg. Press. _____	Surface Csg. Press _____
ppm	epm	ppm      epm

Sodium <u>281</u>	12.2	Chloride <u>8</u>	.2
Calcium <u>166</u>	8.3	Bicarbonate <u>251</u>	4.1
Magnesium <u>31</u>	2.5	Sulfate <u>900</u>	18.7
Iron <u>PRESENT</u>		Carbonate <u>0</u>	0
H <sub>2</sub> S <u>ABSENT</u>		Hydroxide <u>0</u>	0

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

Total Solids Dissolved 660  
 pH 7.75  
 Sp. Gr. 1.0015 at 60°F  
 Resistivity 600 ohm-cm at 71 °F

*Alton James*  
 Chemist



Scale: epm

DAILY DRILLING REPORT

LEASE: \_\_\_\_\_ WELL NO: 1229-R CONTRACTOR: W. J. Engr. RIG NO: 2 REPORT NO: \_\_\_\_\_ DATE: Apr 6 1978

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.	SERIAL NO.	SIZE	SINGLES	DOWN ON KELLY	TOTAL DEPTH	MAKE	MUD RECORD		MUD, ADDITIVES USED AND RECEIVED
										Time	Vis.	

MUD RECORD		MUD, ADDITIVES USED AND RECEIVED	MUD RECORD		MUD, ADDITIVES USED AND RECEIVED
Time	Vis.		Time	Vis.	

TIME BREAKDOWN		TIME BREAKDOWN		TIME BREAKDOWN	
FROM	TO	FROM	TO	FROM	TO
0	20	85	100	240	260
20	25	100	120	260	300
25	40	120	140	300	320
40	60	140	170		
60	80	170	200		
80	85	200	240		

REMARKS -

REMARKS -

REMARKS -

20-25 Spud top Seal  
 25-40 Spud Seal  
 40-60 Spud Seal  
 60-80 Spud Seal  
 80-85 Spud Seal  
 85-100 Spud Seal  
 100-120 Spud Seal  
 120-140 Spud Seal  
 140-170 Spud Seal  
 170-200 Spud Seal  
 200-240 Spud Seal  
 240-260 Spud Seal  
 260-300 Spud Seal  
 300-320 Spud Seal  
 Drilled to 320  
 Spud to 313  
 C&E note 12 g.t.m.

SIGNED: Toolpusher W. J. McDonald

Company Support visit