

1005

39-30-039-07056

134-30-039-20581

E

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. 5 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #39, #134

cps 1284w

Elevation 6499' Completion Date 9/27/78 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. 320'

Depths gas encountered: N/A

Type & amount of coke breeze used: 57 SACKS

Depths anodes placed: 455', 445', 435', 420', 410', 400', 365', 355', 345', 335'

Depths vent pipes placed: 500'

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)

Completion Date 9-27-48

Well Name <u>S.J. 28-6 #39</u> <u>#134</u>		Location <u>SW 5-27-6</u>				CPS No. <u>1284W</u>			
Type & Size Bit Used <u>6 3/4</u>		Contract # <u>CONTRACT #2</u>				Work Order No. <u>#39=52716-19</u> <u>#134=20662-19</u>			
Anode Hole Depth <u>500 - 500</u>		Total Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth		Anode Output (Amps)		Anode Depth		Anode Output (Amps)			
# 1 <u>45.5</u>	# 2 <u>44.5</u>	# 3 <u>43.5</u>	# 4 <u>42.0</u>	# 5 <u>41.0</u>	# 6 <u>40.0</u>	# 7 <u>36.5</u>	# 8 <u>35.5</u>	# 9 <u>34.5</u>	# 10 <u>33.5</u>
# 1 <u>2.9</u>	# 2 <u>3.4</u>	# 3 <u>3.3</u>	# 4 <u>2.9</u>	# 5 <u>3.4</u>	# 6 <u>3.1</u>	# 7 <u>3.6</u>	# 8 <u>3.0</u>	# 9 <u>3.4</u>	# 10 <u>3.4</u>
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
# 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 <u>11.7</u>		Amps <u>15.0</u>		Ohms <u>0.78</u>					

Remarks: Static #39 600' W = 0.78, static #134 600' E = 0.77. DRILLED to 320' waited 20 min. Blew water. 3 to 6 GALS. PER MIN. PERFORATED 280' OF 1" PVC vent Pipe. Installed 500' of 1" PVC vent Pipe. Slurried 57 SACKS OF COKE. 1 1/2" x 60" Duriron

60 V 30 A Rectifier

Hole Depth = 0

20' Meter Pole

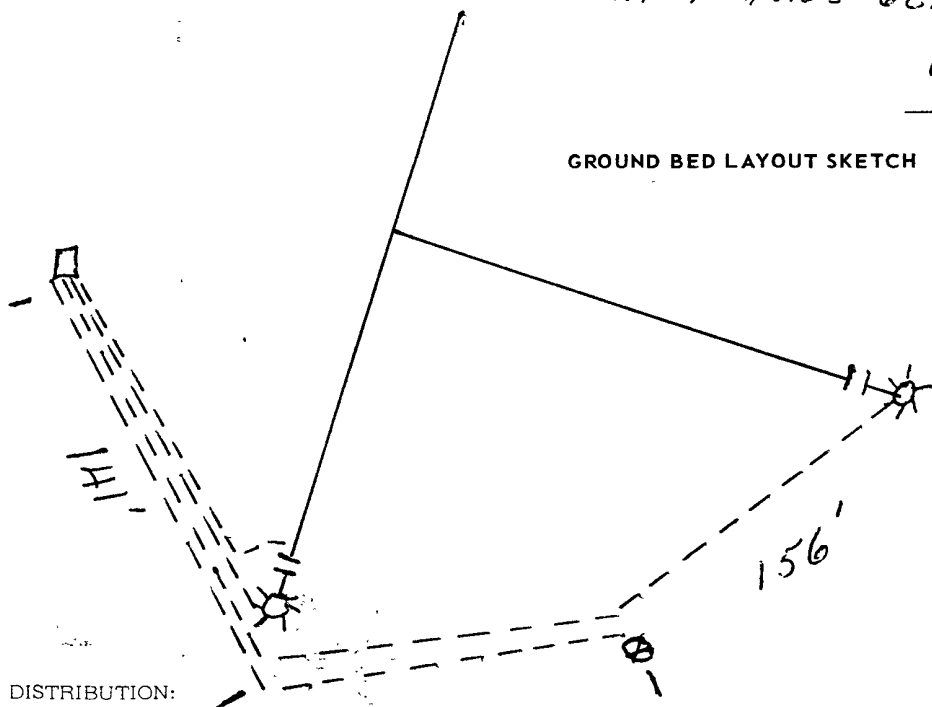
Ditch 8' Cable = 495'

EXTRA CABLE = 621

All Construction Completed

W Z Lutz  
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6499

El Paso Natural Gas Company  
ENGINEERING CALCULATION

Sheet: \_\_\_\_\_ of \_\_\_\_\_  
Date: \_\_\_\_\_  
By: \_\_\_\_\_  
File: \_\_\_\_\_

S.J. 28-6 #39  
S.J. 28-6 #134

SW5-27-6 1284W  
Contract #2

52716-19 28  
20662-19

Static #39 600' W = 0.78  
Static #134 600' E = 0.77

Drilled to 320' waited 20 min.  
Blew water 3 to 6 GALS per min.  
Perforated 280' of 1" PVC vent pipe.  
Installed 500' of 1" PVC vent pipe.  
Slurried 57 sacks of coke

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

3	00	.7					
		.7					
	10	.7					
		.8					
	20	1.4					
		1.7					
	30	1.7					
		1.5	(1)				
	40	1.7					
		1.4	(2)				
	50	1.6					
		1.9	(3)				
	60	1.7					
		1.5	(4)				
	70	1.2					
		1.2					
	80	1.0					
	90	.9					
		.8					
		1.2					
400	1.7	(6)	(1)	455	1.9	2.9	
	1.8		(2)	445	2.0	3.4	
	10	1.7	(5)	(3)	435	1.9	3.3
		1.9		(4)	420	1.9	2.9
	20	1.6	(4)	(5)	410	2.2	3.4
		1.4		(6)	400	2.2	3.1
	30	1.4		(7)	365	2.2	3.6
		1.4	(3)	(8)	355	1.9	3.0
	40	1.8		(9)	345	2.1	3.4
		1.6	(2)	(10)	335	2.3	3.4
	50	1.7					
		1.5	(1)				
	60	1.2					
		1.1					
	70	1.2					
		1.2					
	80	.9					
		.8					
	90	.8					
		.7					

60V 30A Rectifier  
20' meter pole  
Hole depth = 0  
Ditch cable = 495'  
Extra cable = 621'

Volts = 11.7  
Amps = 15.0  
Ohms = .78

55  
97500  
45  
50

500.6 TD Drilled

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

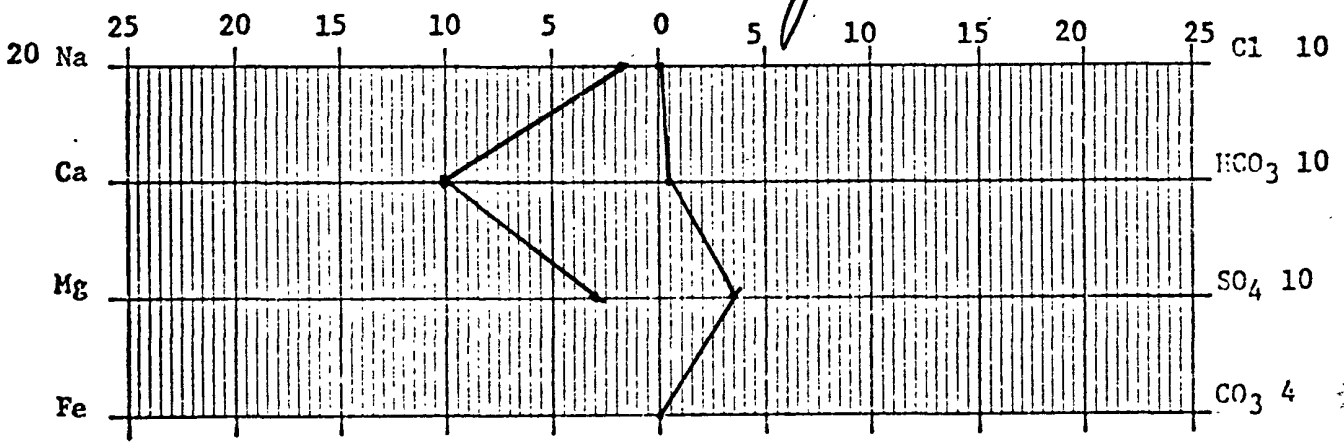
Analysis No. 1-9364 Date 11-8-78  
 Operator EPNG Well Name SAN JUAN 28-6 #39 & 134  
 Location SW 5-27-6 County RIO ARRIBA State NM  
 Field \_\_\_\_\_ Formation \_\_\_\_\_  
 Sampled From C. P. S. 1284 W 320' 3-66 PM  
 Date Sampled \_\_\_\_\_ By \_\_\_\_\_

Tbg. Press.	Csg. Press.	Surface Csg. Press
ppm	epm	ppm epm
Sodium <u>725</u>	<u>32</u>	Chloride <u>18</u> <u>.5</u>
Calcium <u>197</u>	<u>10</u>	Bicarbonate <u>298</u> <u>5</u>
Magnesium <u>30</u>	<u>3</u>	Sulfate <u>1875</u> <u>39</u>
Iron <u>PRESENT</u>		Carbonate <u>0</u> <u>0</u>
H <sub>2</sub> 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 2634  
 PH 7.5  
 Sp. Gr. 1.0030 at 73 60°F  
 Resistivity 320 ohm-cm at 73 °F

*Joe Barnett*  
 Chemist *RJE*



Scale: epm

**CONTRACT 2**

DAILY DRILLING REPORT

LEASE \_\_\_\_\_ WELL NO. 1284 CONTRACTOR D.F. Enter RIG NO. 2 REPORT NO. \_\_\_\_\_ DATE Sep 28 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.

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SER. NO.	NO.	STANDS			SERIAL NO.	NO.	STANDS			SERIAL NO.	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.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	20	Sand Stone	220	240	Sandy Shale	420	460	Sandy Shale
20	80	Sandy Shale	240	280	Shale	460	480	Shale
80	160	Sandy Shale Comp	280	300	Sandy Shale	480	500	Sandy Shale
160	180	Sand Stone	300	340	Shale (water)			
180	200	Sandy Shale	340	390	Sandy Shale			
200	220	Shale	390	420	Shale			

REMARKS -

REMARKS -

REMARKS -  
 Drilled 6 3/4 to 500 ft.  
 Logged 500  
 cat 3 to 6 gal/min water

SIGNED: Toolpusher, D.F. McDonald Company Supervisor \_\_\_\_\_