

982

#69A 30-039-21632
#139 30-039-24146
#142 30-039-24314

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 SE Sec. 25 Twp 29 Rng 7
Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #69A, #139, #142
cps 1406w

Elevation 6724' Completion Date 9/4/79 Total Depth 420' 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. 70' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4100 lbs.

Depths anodes placed: 380', 370', 360', 315', 305', 285', 275', 265', 255', 245'

Depths vent pipes placed: 410'

Vent pipe perforations: 340'

Remarks: gb #1,

RECEIVED
MAY 31 1991
OIL CON. DIV.
PST. 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 9-4-79

Well Name SAN JUAN 29-7 #69A		Location SE 25-29-7		CPS No. 1406 W.	
Type & Size Bit Used 6 3/4"		2" x 60" Duriron		Work Order No. 57350.21	
Anode Hole Depth 420 - 410 + D	Total Drilling Rig Time	Total Lbs. Coke Used 4100	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	380	370	360	315	305
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	2.4	2.0	2.1	2.4	2.6
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts 11.9	Amps 12.3	Ohms .97			

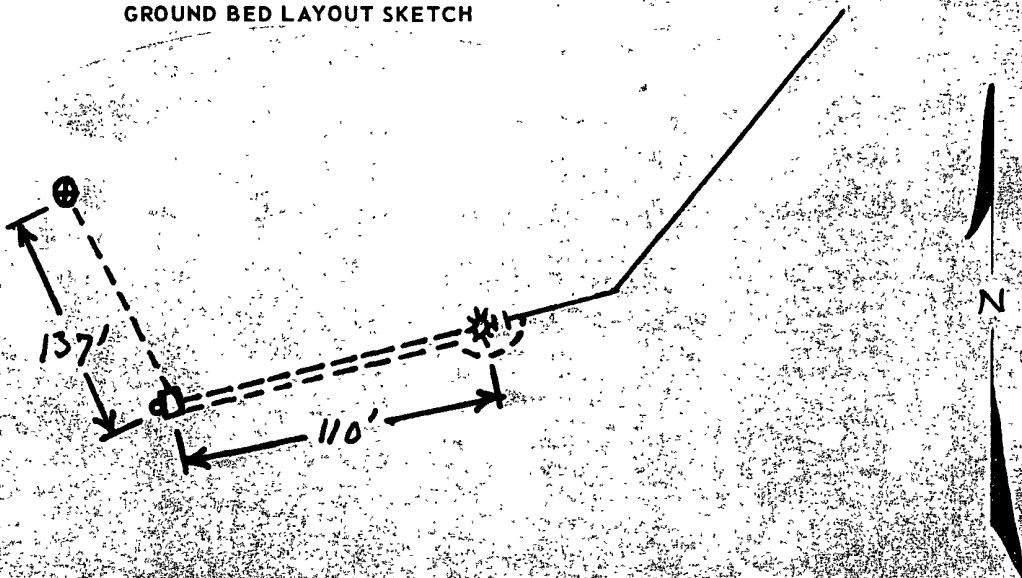
Remarks: ST % NW = .84 Water at 80 FT AND 230 FT TOTAL
WATER APPROX 2 GPM DRILLED 420' LOGGED 410' INSTALLED
400 FT VENT PIPE 340 FT PERFORATED SLURRIED 41
SACKS OF COKE

Hole depth = -90
 Meter pole
 40V16A Rect
 Ditch + cable = 247
 EXTRA cable = 135

All Construction Completed

Robert Balrick
 (Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6-7241

CP. 5.1406 u

Contract A2

WELL NO.

CONTRACTOR

0' Bright

RIGNO

REPORT NO.

DATE _____

1979

[illegible]

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

Analysis No. 1-9748 Date 10-24-79

Operator EPNG Well Name San Juan 29-7 # 69 A

Location SE 25-29-7 County Rio Arriba State N.M.

Field _____ Formation _____

Sampled From 1406 W

Date Sampled _____ By _____

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

Sodium <u>89</u>	<u>4</u>	Chloride <u>12</u>	<u>.3</u>
------------------	----------	--------------------	-----------

Calcium <u>22</u>	<u>1</u>	Bicarbonate <u>205</u>	<u>3</u>
-------------------	----------	------------------------	----------

Magnesium <u>4</u>	<u>.3</u>	Sulfate <u>77</u>	<u>2</u>
--------------------	-----------	-------------------	----------

Iron <u>Present</u>		Carbonate <u>0</u>	<u>0</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
C. B. O'Nan

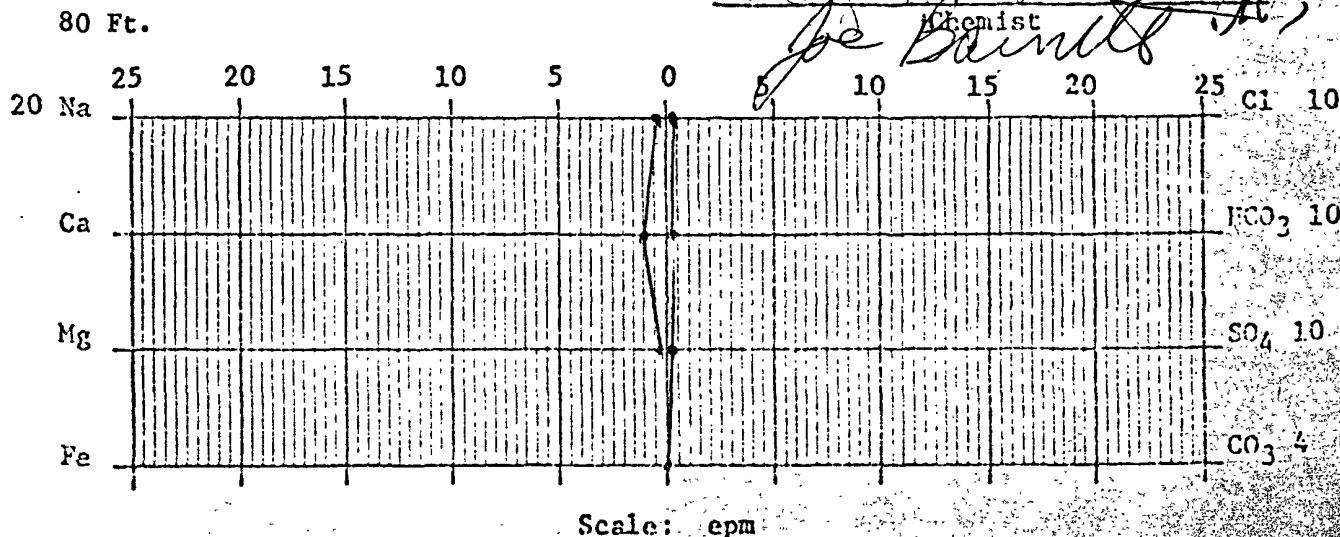
Total Solids Dissolved 318

pH 7.8

Sp. Gr. 1.0015 at 60° F

Resistivity 1818 ohm-cm at 77° F

Craig K. Anderson
Chemist
Be Bunt



983

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 J Sec. 25 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 Unit #69A, #139, #142

cps 1406w

Elevation 6724' Completion Date 5/9/88 Total Depth 520' 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. DAMP AT 120', 230'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 470', 460', 450', 440', 385', 375', 305', 295', 285', 270'

Depths vent pipes placed: 505'

Vent pipe perforations: BOTTOM 300'

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) ☒

COMP
6-21-88 JG

Completion Date 5-9-88

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins Union Check
1406-w	#69A	071028500		☒ Good ☐ Bad
	S.J. 29-7 #139	D881	Rectifier on will	
	#142		NEED STATIC	
Location:	Anode Size:	Anode Type:	Size Bit:	
J 25-29-7	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling & Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
520'	500'			
Anode Depth				
= 1 470'	= 2 460'	= 3 450'	= 4 440'	= 5 385'
= 6 375'	= 7 305'	= 8 295'	= 9 285'	= 10 270'
Anode Output (Amps)				
= 1 3.3	= 2 2.9	= 3 5.5	= 4 5.2	= 5 3.1
= 6 3.0	= 7 2.5	= 8 3.1	= 9 3.9	= 10 3.2
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 12.03	Amps 18.3	Ohms .657		
Total 8 C.P. Cables Used			Total 2 C.P. Cables Used	

Remarks: DRILLED 520' LOGGED 500'. DRILLER SAID DAMP AT 120' & 230' NOT ENOUGH FOR SAMPLE. INSTALLED 505' OF 1" PVC VENT PIPE PERFORATED BOTTOM 300'

Rectifier Size: V A
 Addn'l Depth:
 Depth Credit:
 Extra Cable: 95'
 Ditch & 1 Cable: 260

25' Meter Pole:
 20' Meter Pole:
 10' Stub Pole:
 Junction Box:

NEW
GROUND
BED
75'

S.J. 29-7
#139

All Construction Completed

M. J. Williams
(Signature)

Ground
BED #1

1406-w

S.J. 29-7
#69-A

6724

4074.00 ✓
 22.80 ✓
 182.00 ✓
 225.00 ✓
 4503.80 ✓
 225.19 ✓
 4728.99 ✓ *LK*

N

140P
Darrell CLASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. SAN JUAN 29-7 ^{Unit} 139 Date 5-9-88
Client Meridian Oil Co. Prospect _____
County Rio Arriba State New Mexico

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	15	Shale
15	70	SANDstone
70	80	Shale
80	105	SANDstone
105	120	SAND
120	200	Shale
200	230	SAND
230	320	SANDy Shale
320	400	SAND
410	520	SANDy Shale

Mud _____ Bron _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: DAMP @ 120 AND 230'

Driller RONNIE BROWN

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 9-4-79
By: RJB
File: 1406W

1406W SE 25-29-7
S.J. 29-7 #69A 57350.21
Static % NW = .84

9-4-79 10 hrs

110
137

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

70 1.3		280 1.6		WATER AT 80 FT APPROX 26 PM DRILLED 420 FT + LOGGED 410 FT INSTALLED 400 FT VENT PIPE WITH 340 FT PERFORATED SLURRIED 4 SACKS OF LOKE
5	1.0	5	2.0 - 1	
80 1.9		90 1.0		
5	1.2	5	1.0	
5	.7	5	1.0	Hole depth = -90 meter pole 40V 16A ditch + cable = 247 extra cable = 135 (includes 25 FT hookup wire)
5	.4	5	1.0	
100 4		300 1.5		
5	.5	5	1.4 - 5	
10 1.7		10 1.5		
5	1.0	5	1.3 - 4	
20 1.9		20 1.2		
5	2.1	5	.9	
30 2.0		30 .8		
5	1.9	5	.8	
40 1.3		40 .9		
5	1.2	5	.7	
50 1.2		50 .7		
5	.8	5	1.1	
60 1.0		60 1.2 - 3		
5	.8	5	1.0	
70 .9		70 1.2 - 2		
5	1.1	5	1.2	
80 2.0		80 1.2 - 1		
5	2.4	5	1.5	
90 2.1		90 1.5		
5	2.1	5	1.4	
200 1.7		400 1.1		
5	1.0	5		
10 .6		10 -		① 380 - 1.5 - 2.4 ② 370 - 1.3 - 2.0 ③ 360 - 1.3 - 2.1 ④ 345 - 1.4 - 2.4 ⑤ 305 - 1.5 - 2.6 ⑥ 285 - 2.2 - 3.0 ⑦ 275 - 1.5 - 2.8 ⑧ 265 - 1.4 - 2.3 ⑨ 255 - 1.3 - 2.6 ⑩ 245 - 1.4 - 2.4
5	.5	5		
20 .6				
5	.6			
30 .6				11.9 v 12.3 A = .97 ohms
5	.9			
40 1.8				
5	1.6 - 10			
50 1.3				
5	1.5 - 9			
60 1.4				
5	1.3 - 8			
70 1.6				
5	1.5 - 7			