

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"		Casing 2" x 60" Duriron		Work Order No. 57350.21	
Anode Hole Depth 420 - 410 TD	Total Drilling Rig Time	Total Lbs. Coke Used 4100	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 380	# 2 370	# 3 360	# 4 315	# 5 305	# 6 285
# 7 275	# 8 265	# 9 255	# 10 245		
Anode Output (Amps)					
# 1 2.4	# 2 2.0	# 3 2.1	# 4 2.4	# 5 2.6	# 6 3.0
# 7 2.8	# 8 2.3	# 9 2.6	# 10 2.4		
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 11.9	Amps 12.3	Ohms .97			

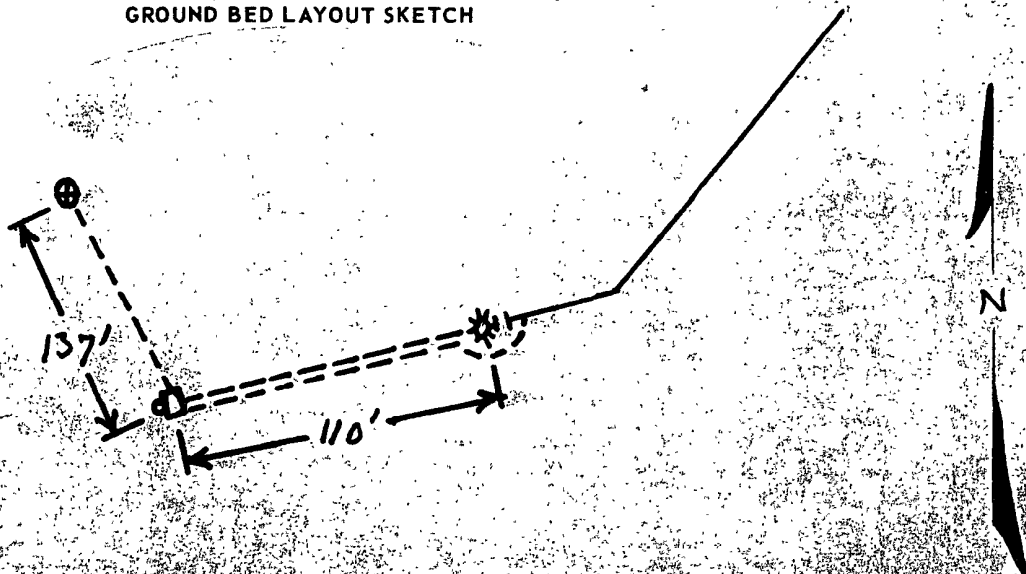
Remarks: **ST % NW = .84 WATER AT 80 FT AND 230 FT TOTAL
WATER APPROX 2 GPM DRILLED 420' LOGGED 410' INSTALLED
400 FT VENT PIPE 340 FT PERFORATED SLURRIED 41
SACKS OF COKE**

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

All Construction Completed

Robert Balick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

CP. 5. 1406 W

Contract A2

WELL NO.

CONTRACTOR O'Brien

RIG NO.

REPORT NO.

DATE _____

1974

MORNING

DAYLIGHT

EVENING

[illegible]

NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.
BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.
SET NO.	STANDS	SERIAL NO.	STANDS	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS
SIZE	SINGLES	SIZE	SINGLES	SINGLES	SIZE	SINGLES	SINGLES	SINGLES
TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	DOWN ON KELLY	TYPE	DOWN ON KELLY	DOWN ON KELLY	DOWN ON KELLY
MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	TOTAL DEPTH

[illegible]

FROM		TO		TIME BREAKDOWN		FROM		TO		TIME BREAKDOWN	
0	15	SAND	STONE	90	95	SAND	STONE	165	174	SAND	STONE
15	30	SHALE		95	96	SHALE		174	207	SHALE	
30	50	SAND	STONE	96	100	SAND	STONE	207	235	SAND	STONE pos water
50	70	SAND	MAKING WATER	100	105	SANDY	SHALE	235	270	SHALE	
70	81	SHALE		105	115	SAND	STONE	270	275	SAND	STONE
81	90	SAND		115	165	SHALE		275	290	SHALE	

REMARKS -

REMARKS -

REMARKS -

290-300 SAND STONE
300-330 SHALE
330-385 SAND STONE
385-420 SANDY SHALE

Drilled 420
Logged 410

SIGNED: Toolpusher

O'Brien

Company Supervisor

Kent Westmoreland

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

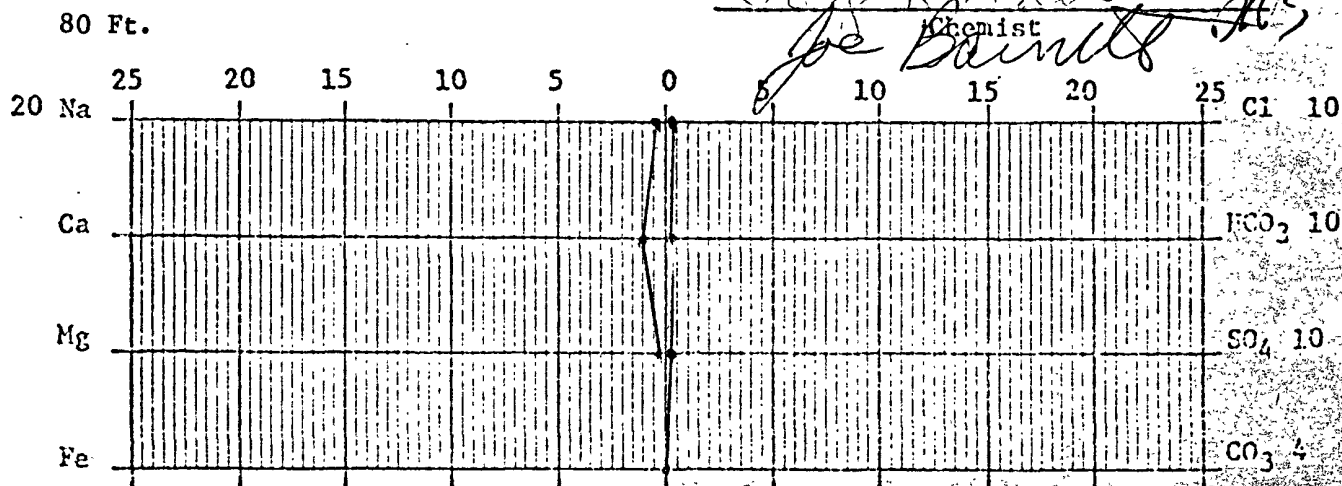
Total Solids Dissolved 318

pH 7.8

Sp. Gr. 1.0015 at 60°F

Resistivity 1818 ohm-cm at 77°F

Chris Kander
Joe Baun
Chemist



Scale: epm

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 Here)

Completion Date 5-9-88

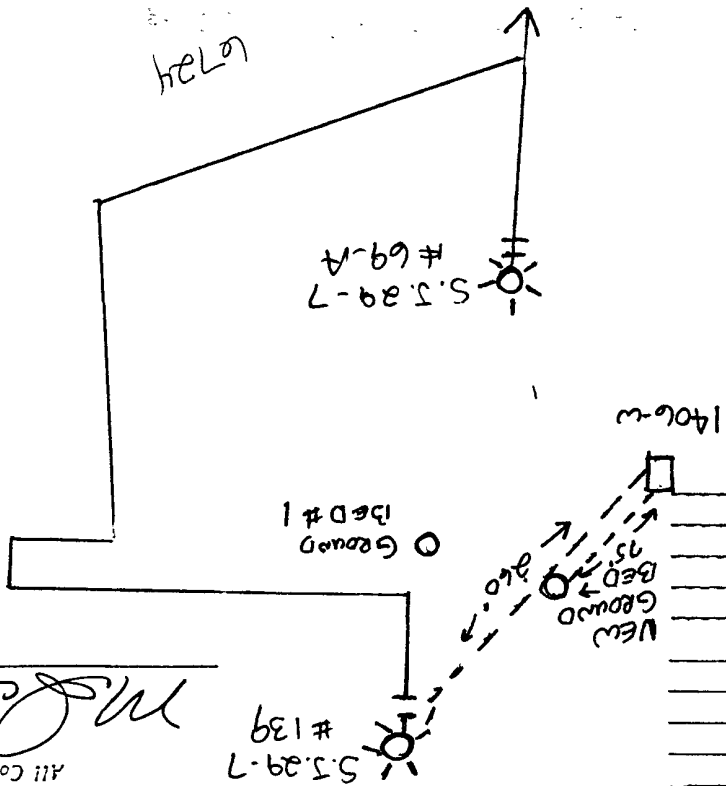
CPS #	1406-W	Work Order #	07102850	Inst Union Check	☒ Good ☐ Bad
Well Name, Line or Plant	S.S. 29-7 #139	Static	Rectifier and will		
Size	2" x 60"	Size Bit	6 3/4"		

Depth Drilled	Depth Logged	Drilling Log Time	Total Lbs. Cate. Used	Lost Circulation Mat. Used	No. Seals Mud Used
520'	500'				
Anode Depth	1970'	460'	450'	440'	385'
Anode Output (Amps)	1	3.3	2.9	3.5	5.2
Anode Depth	11	12	13	14	15
Anode Output (Amps)	11	12	13	14	15
Anode Depth	11	12	13	14	15
Anode Output (Amps)	11	12	13	14	15
Total Circuit Resistance	12.03	18.3	10.3	6.57	
Notes					

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
- Add'l Depth: A
- Depth Credit: -
- Extra Cable: 95'
- Ditch & 1 Cable: 260'
- 25' Meter Pole: -
- 20' Meter Pole: -
- 10' Stub Pole: -
- Junction Box: -

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



All Construction Completed
Signature: [Handwritten Signature]

140P
Darrell CRESS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. SAN JUAN 29-7 139 ^{Unit} 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

1406W se 25-29-7
S-J. 29-7 #69A 57350.21
Static $\frac{9}{8}$ NW = -84

9-4-79 10hrs

110
137

MW	gals/mol	
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂ ²	9.64
42.08	C ₃ ²	9.67

MW	MISC.	
	gals/mol	
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

WATER AT 80 FT APPROX 26 PM
DRILLED 420 FT & LOGGED 410 FT
INSTALLED 400 FT VENT PIPE
WITH 340 FT PERFORATED
SLURRED 4 SACKS OF CEMENT

Hole depth = -90
meter Pole
400 16A
ditch + cable = 247
extra cable = 135
(includes 25FT hookup wire)

- 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 $245 - 1.4 = 2.4$

$$11.9 \text{ V} / 12.3 \text{ A} = .97 \text{ ohms}$$