

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)	# 1	# 2	# 3	# 4	# 5
	2.4	2.0	2.1	2.4	2.6
Anode Depth	# 6	# 7	# 8	# 9	# 10
	285	275	265	255	245
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	3.0	2.8	2.3	2.6	2.4
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 11.9		Amps 12.3		Ohms .97
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

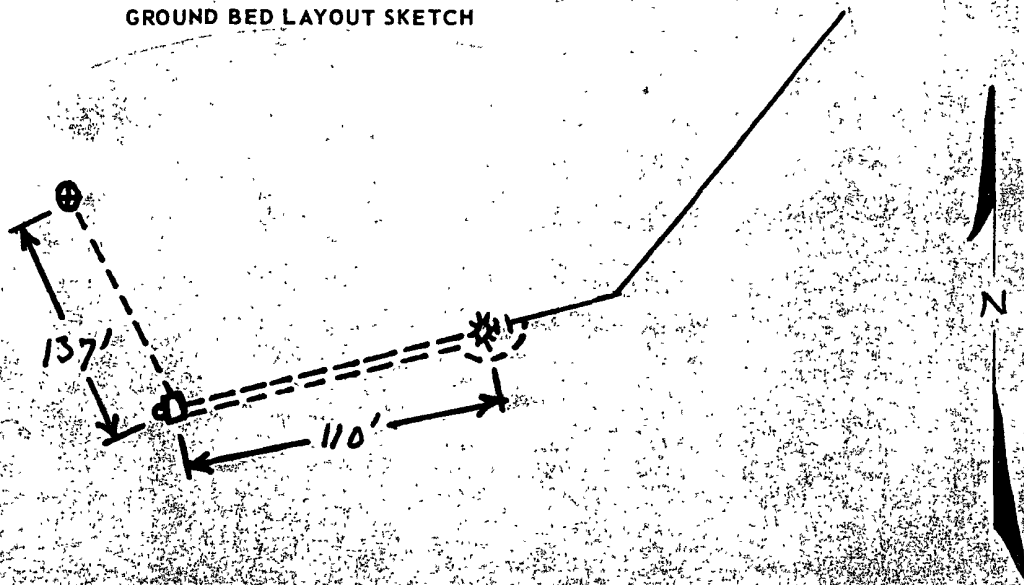
Remarks: **ST 1/2 NW = .84 WATER AT 80 FT AND 230 FT TOTAL WATER APPROX 2 GPM DRILLED 420' LOGGED 410' INSTALLED 400 FT VENT PIPE 340 FT PERFORATED SLURRIED 41 SACKS OF COKE**

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

All Construction Completed

Robert Balnick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

CP. S. 1406 W

Contract #2

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE

1979

O'BRIEN

9-4

1979

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.		
SEI 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		
0	15	SANDSTONE			90	95	SANDSTONE			165	174	SANDSTONE		
15	30	SHALE			95	96	SHALE			174	207	SHALE		
30	50	SANDSTONE			96	100	SANDSTONE			207	235	SANDSTONE pos WATER		
50	70	SAND MAKING WATER			100	105	SANDY SHALE			235	270	SHALE		
70	81	SHALE			105	115	SANDSTONE			270	275	SANDSTONE		
81	90	SAND			115	165	SHALE			275	290	SHALE		
REMARKS -					REMARKS -					REMARKS -				
290-300 SANDSTONE										29AL @ 70'				
300-320 SHALE										Drilled 420'				
320-385 SANDSTONE										Logged 410'				
385-420 SANDY SHALE														

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 VI406 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>
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Calcium <u>22</u>	<u>1</u>	Bicarbonate <u>295</u>	<u>3</u>
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Magnesium <u>4</u>	<u>.3</u>	Sulfate <u>77</u>	<u>2</u>
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Iron <u>Present</u>		Carbonate <u>0</u>	<u>0</u>
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H ₂ S <u>Absent</u>		Hydroxide <u>0</u>	<u>0</u>
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File
C. B. O'Nan

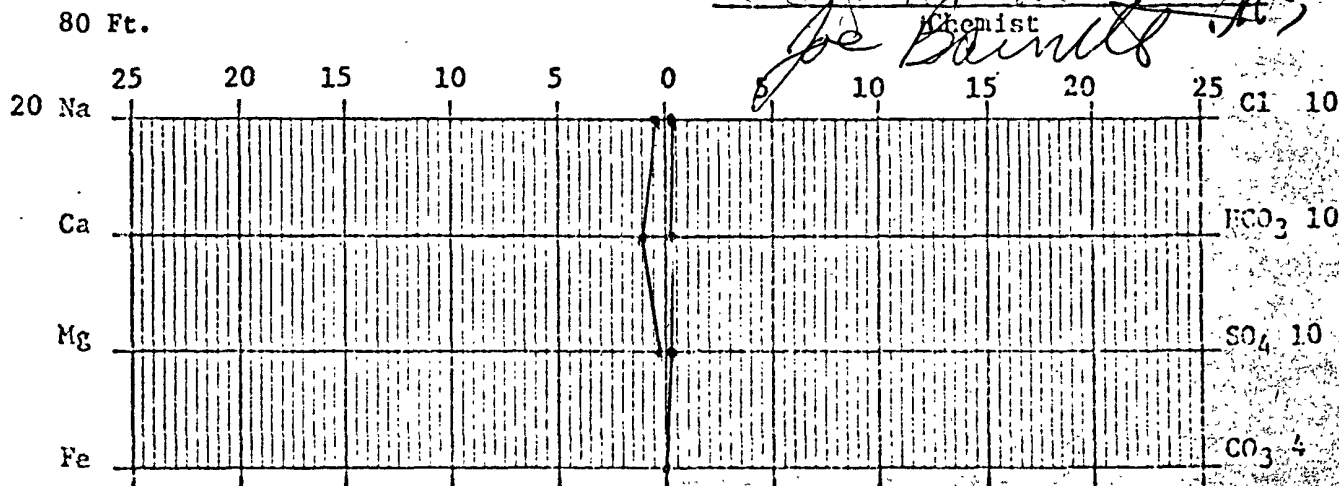
Total Solids Dissolved 318

pH 7.8

Sp. Gr. 1.0015 at 60° F

Resistivity 1818 ohm-cm at 77° F

Craig K. Anderson
Chemist *MS*
Joe Baur



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

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If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Here) ☒

Comp
6-21-88 JD

Completion Date 5-9-88

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins Union Check
1406-w	# 69-A S.J. 29-7 # 139 # 142	071028500 D 881	Rectifier on will NEED STATIC	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
J 25-29-7	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat. 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	Loss .657		
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used	

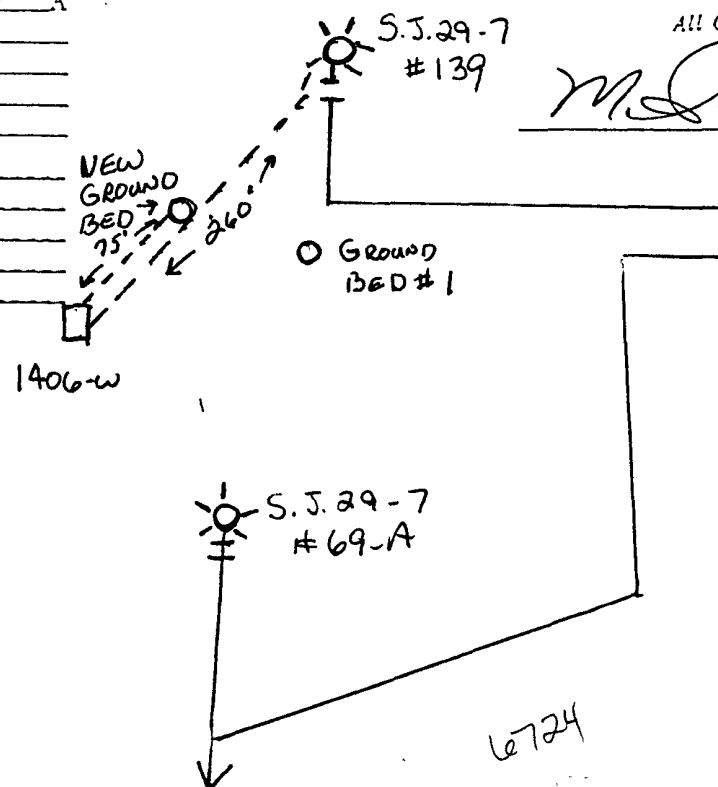
Remarks: DRILLED 520' LOGGED 500'. DRILLER SAID DAMP AT 120' & 230' NOT ENOUGH FOR SAMPLE. INSTALLED 505' OF 1" PVC VENT PIPE PERFORATED BOTTOM 300'

Rectifier Size: — V — A
 Add'l Depth: —
 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 ✓ *LK*



All Construction Completed

M. J. Williams
 (Signature)

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 _____ Brm _____ 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: R/B
File: 1406W

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

9-4-79 10hrs

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

7.0 1.3				WATER AT 80FT APPROX 26PM DRILLED 420FT + LOGGED 410FT INSTALLED 400FT VENT PIPE WITH 340FT PERFORATED SLURRIED 4 SACKS OF LOKE
5	1.0			
80	.9	280	1.6	
5	1.2	5	2.0 - 1	
90	.7	90	1.0	
5	.4	5	1.0	
100	.4	300	1.5	
5	.5	5	1.4 - 5	
10	.7	10	1.5	Hole depth = -90
5	1.0	5	1.3 - 4	meter pole
20	1.9	20	1.2	40V 16A
5	2.1	5	.9	ditch + cable = 247
30	2.0	30	.8	EXTRA cable = 135
5	1.9	5	.8	(includes 25FT hookup wire)
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
5	.5	5		② 370 - 1.3 - 2.0
20	.6			③ 360 - 1.3 - 2.1
5	.6			④ 35 - 1.4 - 2.4
30	.6			⑤ 305 - 1.5 - 2.6
5	.9			⑥ 285 - 2.2 - 3.0
40	1.8			⑦ 275 - 1.5 - 2.8
5	1.6 - 10			⑧ 265 - 1.4 - 2.3
50	1.3			⑨ 255 - 1.3 - 2.6
5	1.5 - 9			⑩ 245 - 1.4 - 2.4
60	1.4			
5	1.3 - 8			11.9 v 12.3A = .97 ohms
70	1.6			
5	1.5 - 7			