

996

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30-039-07137

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

Operator MERIDIAN OIL Location: Unit NE Sec. 9 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #11

cps 1290w

Elevation 6272' Completion Date 9/5/78 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. 62' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 295', 285', 275', 265', 255', 245', 235', 190', 150', 140'

Depths vent pipes placed: 300'

Vent pipe perforations: 280'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV. 1
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 9/5/78

Well Name <u>S.J. 28-6 #11</u>		Location <u>NE 9-27-6</u>		CPS No. <u>1290 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>40038-19</u>	
Anode Hole Depth <u>320' T.D-318'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>295'</u>	#2 <u>285'</u>	#3 <u>275'</u>	#4 <u>265'</u>	#5 <u>255'</u>	#6 <u>245'</u>
#7 <u>235'</u>	#8 <u>190'</u>	#9 <u>150'</u>	#10 <u>140'</u>		
Anode Output (Amps)					
#1 <u>2.8</u>	#2 <u>2.4</u>	#3 <u>1.9</u>	#4 <u>2.6</u>	#5 <u>3.2</u>	#6 <u>2.8</u>
#7 <u>2.2</u>	#8 <u>3.2</u>	#9 <u>3.0</u>	#10 <u>2.4</u>		
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 <u>12.2 V</u>	Amps <u>13.5 A</u>	Ohms <u>.9</u>			

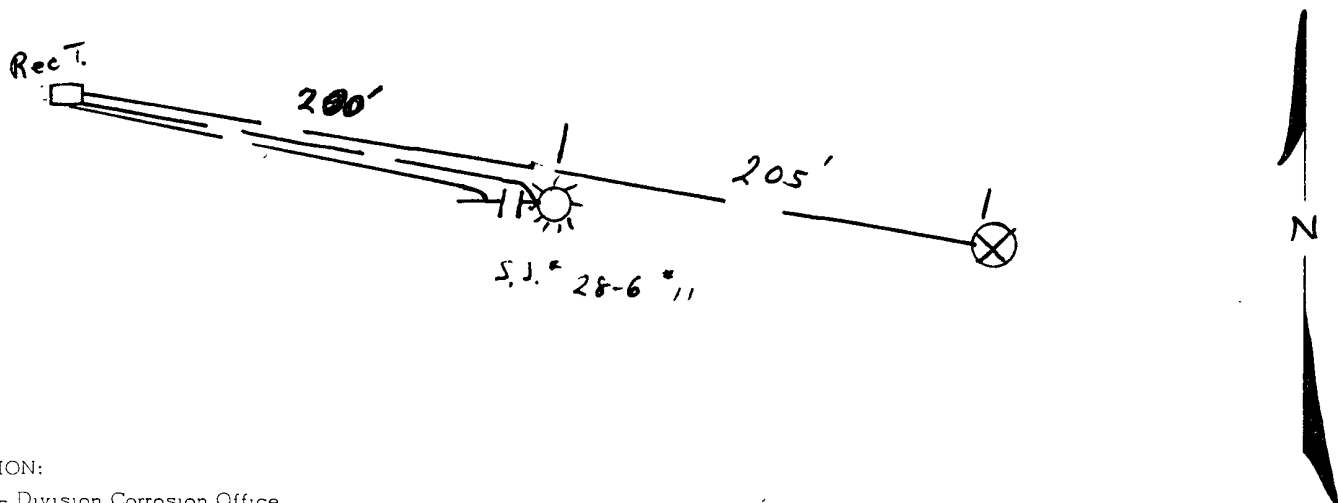
Remarks: STATIC 600 E = .91 V. Driller said water at 62'. Took water sample. Hole making 35-40 gal/min. Drilled 320'. Logged 318'. Installed 300' of 1" P.V.C. vent pipe perforated 280'.

1 CABLE + DITCH = 405'
EXTRA CABLE = 400'
Meter Loop pole & 40V 16 A Rect.
Hole Depth = -182'

All Construction Completed

JE Sheth
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6272

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

CPS * 1290 W

S.J. * 28-6 * 11

NE 9-27-6

40038-19

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
128.05	C ₉ 9.84
142.08	C ₁₀ 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

Driller SAID WATER AT 62'
TOOK WATER SAMPLE. Driller
SAID HOLE MAKING APPROX.
35-40 GAL./MIN. Drilled
320' Logged 318' INSTALLED
300' of 1" P.V.C. VENT PIPE
Perforated 280'

70 - .5
70 - .7
80 - .6
90 - .6
90 - .5
100 - .5
100 - .6
100 - .5
10 - .9
20 - 1.0
30 - 1.0
40 - 1.2
50 - 1.4
60 - .5
70 - .6
80 - .5
90 - .5
100 - .5
10 - .8
20 - .6
30 - .4
40 - .2
50 - .1
60 - .1
70 - .1
80 - .1
90 - .1
100 - .1
10 - .1
20 - .1
30 - .1
40 - .1
50 - .1
60 - .1
70 - .1
80 - .1
90 - .1
100 - .1

60 - 1.5
70 - 1.3
80 - 1.1
90 - 1.0
100 - 1.0
300 - 1.2
310 - 1.0
318' TD
20 - Drilled To

1 - 295 - 1.8 - 2.8
2 - 285 - 1.6 - 2.4
3 - 275 - 1.2 - 1.9
4 - 265 - 1.7 - 2.6
5 - 255 - 2.1 - 3.2
6 - 245 - 1.8 - 2.8
7 - 235 - 1.4 - 2.2
8 - 190 - 2.1 - 3.2
9 - 150 - 1.9 - 3.0
10 - 140 - 1.9 - 3.4

13.5 A 12.2 V = .9 Ω

9/5/78
JB

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

Analysis No. 1-9336 Date SEPTEMBER 18, 1978

Operator EPNG Well Name CPS 1290 W -S.J. 25-6 #11

Location 9-27-6 County RIO ARriba State NM

Field _____ Formation _____

Sampled From CPS 1290 W 35 to 40 gal/m

Date Sampled _____ By _____

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

Sodium <u>508</u>	22.1	Chloride <u>12</u>	.3
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Calcium <u>100</u>	5	Bicarbonate <u>346</u>	5.7
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Magnesium <u>6</u>	0.5	Sulfate <u>1000</u>	20.8
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Iron <u>PRESENT</u>		Carbonate <u>24</u>	0.8
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	0
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

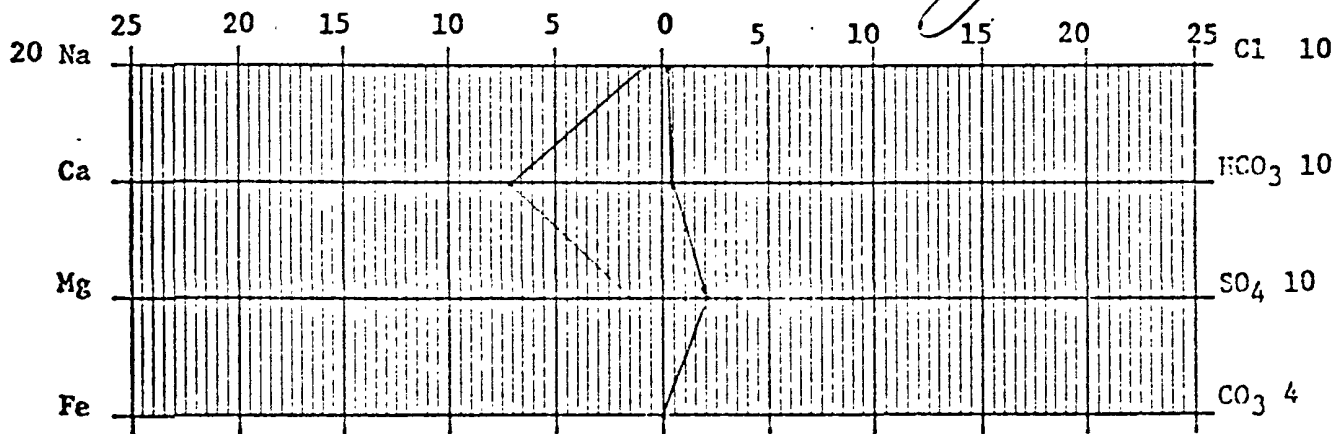
Total Solids Dissolved 792

pH 8.3

Sp. Gr. 1.0020 at 60° F

Resistivity 470 ohm-cm at 71 °F

Alton James
Chemist



Scale: epm

DAILY DRILLING REPORT

LEASE			WELL NO. <i>1270</i>			CONTRACTOR <i>D. & H. Exls.</i>			RIG NO. <i>#2</i>			REPORT NO.			DATE <i>Aug 4</i>			19 <i>78</i>		
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.			
SERIAL 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	30	<i>Sandstone</i>				240	260	<i>Sandy Shale</i>												
30	60	<i>Sandstone (water)</i>				260	280	<i>Sandstone</i>												
60	90	<i>Sandstone</i>				280	300	<i>Shale</i>												
90	100	<i>Sandy Shale</i>				300	318	<i>Sandy Shale</i>												
100	200	<i>Shale & Sandstone</i>																		
200	240	<i>Sandy Shale</i>																		
REMARKS -						REMARKS -						REMARKS -								
												<i>Drilled to 320</i> <i>Stopped to 318</i> <i>Est Water 40 g.p.m.</i>								

SIGNED: Toolpusher D. K. McDonald

____ Company Supervisor