

1053

9. 30-039-06993
156-30-039-20613

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 NE Sec. 22 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #9, #156

cps 171lw

Elevation 6543' Completion Date 9/23/83 Total Depth 340' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 140' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 3400 lbs.Depths anodes placed: 325', 230', 180', 170', 160', 150', 140', 105', 95', 85'Depths vent pipes placed: 340'Vent pipe perforations: 260'Remarks: gb #1RECEIVED
MAY 31 1991
OIL CON. DIV. J
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 9/23/83

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1711W	S.J. 27-5 #9	40036-19-50-20-64	600 S = .81 V	☒ Good ☐ Bad
	S.J. 27-5 #156	55536-21-50-20-64	600 S = .79 V	
Location:	Anode Size:	Anode Type:	Size Bit:	
N# 22-27-5	2" X 60"	Durion	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
340'	340'		3400 ^{slurred}	
Anode Depth				
# 1 325'	# 2 230'	# 3 180'	# 4 170'	# 5 160'
# 6 150'	# 7 140'	# 8 105'	# 9 95'	# 10 85'
Anode Output (Amps)				
# 1 2.6	# 2 2.34	# 3 2.86	# 4 4.9	# 5 5.18
# 6 5.0	# 7 3.84	# 8 4.10	# 9 3.75	# 10 3.7
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 15.7	Ohms .76		

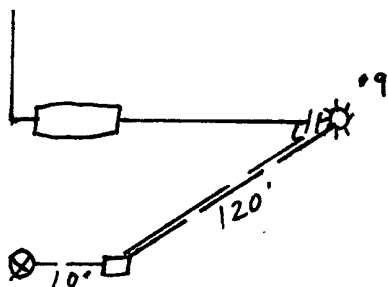
Remarks: Driller said water at 120'. Drilled To 140'. Water standing in Hole next A.M. AT 80'. Took water sample, Hole making approx 20 gal/min. AT 120'. Drilled To 340', Logged 340'. Installed 340' of 1" P.V.C. vent pipe, Perforated 260'.

Rectifier Size: 60 V 30 A ✓
 Addn'l Depth: ✓
 Depth Credit: 160' ✓
 Extra Cable: 150' ✓
 Ditch & 1 Cable: 130' ✓
 25' Meter Pole: 1 off Location ✓
 20' Meter Pole: ✓
 10' Stub Pole: 1 ✓

All Construction Completed

JE Stalla
 (Signature)

GROUND BED LAYOUT SKETCH



Time	Res.	O.T.
10 hr.	8	2

ERR. G. WILL ALLOW
 Neg. To #156

6503
 #11

EL PASO NATURAL GAS COMPANY

Form 7-354 (Rev. 11-77)

Sheet of

Date: 9/23/83

By: J.S.

CPS - 1711 W

S.J. 27-5 29

W.O. 40036-19-50-20-64

NE 22-27-5

S.J. 27-5 " 156

55536-21-50-20-64

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

80 - 2.14	260 - .77	Drilled said water AT 120'
2.20 - ⑩	.76	Drilled To 140' WATER
90 - 2.22	70 - .79	STANDING in hole NEXT A.M.
2.08 - ⑨	.89	AT 80' TOOK WATER SAMPLE
100 - 2.18	80 - .81	HOLE MAKING APPROX 20 GAL/
2.14 - ③	.64	MIN. AT 120' DRILLED TO
10 - 1.24	90 - .73	340', LOGGED 340' INSTALLED
1.14	.51	340' of 1" P.V.C. VENT PIPE
20 - 1.04	300 - .48	PERFORATED 260'
.99	.43	
30 - 1.21	10 - .44	
1.34	.52	
40 - 1.89 - ②	20 - .66	
2.36	1.69 - ①	
50 - 2.46 - ⑥	30 - 2.02	
2.7	40 - 2.0	
60 - 2.56 - ⑤	40 - 340 T.D	
2.48		
70 - 2.43 - ④		
2.25		
80 - 1.76 - ③		11.9 V. 15.7 A. = .76
.91		
90 - .42		1 - 325 - 1.73 - 2.6
.34		2 - 230 - 1.47 - 2.34
200 - .31		3 - 180 - 2.06 - 2.86
.79		4 - 170 - 2.65 - 4.9
10 - .94		5 - 160 - 2.8 - 5.18
.93		6 - 150 - 2.83 - 5.0
20 - .86		7 - 140 - 2.17 - 3.84
1.07		8 - 105 - 2.29 - 4.10
30 - 1.49 - ②		9 - 95 - 2.15 - 3.75
.86		10 - 85 - 2.20 - 3.7
40 - 1.15		
1.01		
50 - .63		
.78		

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

Analysis No. 1-10866 **Date** September 30, 1983

Operator El Paso Natural Gas **Well Name** San Juan 27-5 #9 CPS 1711W

Location NE 22-27-5 **County** Rio Arriba **State** New Mexico

Field Blanco **Formation** _____

Sampled From 140 feet CPS 1711W

Date Sampled September 23, 1983 **By** _____

Tbg. Press. _____ **Csg.** _____ **Surface Csg. Press.** _____

Sodium <u>868</u> ppm	<u>37.8</u> epm	Chloride <u>20</u> ppm	<u>0.6</u> epm
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Calcium <u>38</u>	<u>1.9</u>	Bicarbonate <u>512</u>	<u>8.4</u>
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Magnesium <u>6</u>	<u>0.5</u>	Sulfate <u>1,500</u>	<u>31.2</u>
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Iron _____		Carbonate <u>0</u>	<u>0</u>
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H₂S _____		Hydroxide <u>0</u>	<u>0</u>
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cc: R. A. Ullrich
 E. R. Paulek
 J. W. McCarthy
 J. D. Evans
 W. B. Shropshire
 D. C. Adams
 File _____

Total Solids Dissolved 2,474

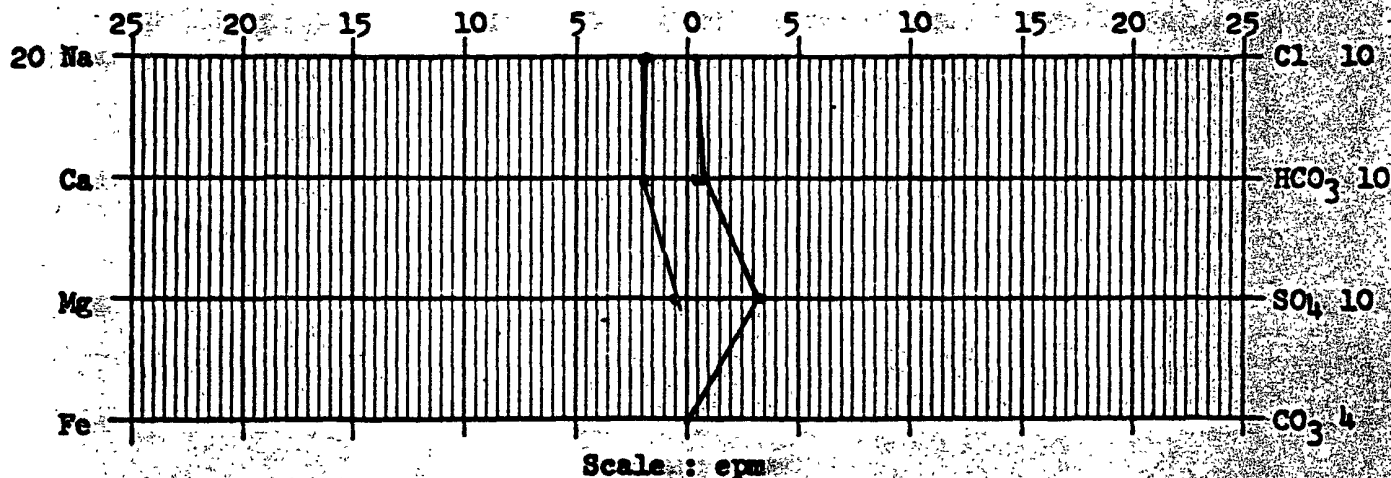
pH 8.0

Sp. Gr. 0.9714 **At** 60°F

Resistivity 235 **ohm-cm at** 74°F

Joe P. Barnett

Chemist GCK



27-5 #9

CPS 1711 DAILY DRILLING REPORT

LEASE *SAW* *Thn*

WELL NO.

CONTRACTOR

SK Drilling

RIG. NO. 3

REPORT NO.

DATE 9-22

1983

MORNING

DAYLIGHT

EVENING

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.					
					0	60	SAND	6 3/4											
					60	120	Shale												
					120	250	sand water	20 gal	0.1 min										
					250	340	Shale												

	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.	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

[illegible][illegible][illegible]

SIGNED: Toolpusher

Billy Soudan

____ Company Supervisor

JE Stotts