-1035

E

112- 30-039-20239

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

Operator MERIDIAN OIL Location: Unit SW Sec. 8 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #112

cps 1702w

Elevation 6603' Completion Date 9/19/83 Total Depth 450' 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. 230' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4500 lbs.

Depths anodes placed: 420', 410', 350', 340', 310', 290', 280', 270', 260'

Depths vent pipes placed: 444'

Vent pipe perforations: 220'

Remarks: gb #1

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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.

FM-07-0238 (Rev. 10-82)

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto) ☐ Completion Date 9/19/83

CPS #	Well Name, Line or Plant	Work Order #	Static:	Ins. Union Check
1702 W	S.J. 27-5 #112	54690-19-50-2066	600 N = .82 V	☒ Good ☐ Bad

Location	Anode Size	Anode Type:	Size Bit:
SW 8-27-5	2" X 60"	Durion	6 3/4"

Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
450'	444'		Slurred 4500LB.		

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
Anode Depth	420'	410'	400'	350'	340'	310'	290'	280'	270'	260'
Anode Output (Amps)	3.7	2.81	3.41	1.85	2.16	2.71	3.48	3.96	3.22	3.16

	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Depth										
Anode Output (Amps)										

Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.28 V	Amps 13.6 A	Ohms .9		

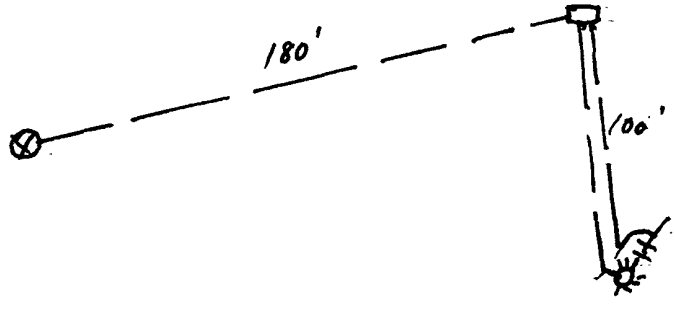
Remarks: Driller said water at 230', Approx. 15 gal./min. Took water sample, Drilled To 300'. Water standing in hole next A.M. at 230'. Drilled To 450', Logged 444'. Installed 444' of 1" P.V.C. Vent Pipe, Perforated 220'.

Rectifier Size: 40 V 16A
Addn'l Depth —
Depth Credit: 56'
Extra Cable: 180'
Ditch & 1 Cable: 280'
25 'Meter Pole: —
20' Meter Pole: —
10' Stub Pole: 1

All Construction Completed

J E Scott
(Signature)

GROUND BED LAYOUT SKETCH



Time	Reg.	O.T.
11 hr.	8	3

N

le6603

Form 7-354 (Rev 11-77)

EL PASO NATURAL GAS COMPANY

Sheet ____ of ____
Date: 9/19/83
By: JL

CPS T702W

SW-8-27-5 S.J. 27-5 D 112 W.O. 54690-19-50-20-64

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	$C_2^=$	9.64
42.08	$C_3^=$	9.67

MISC MW		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_2S	5.17
28.01	N_2	4.16
2.02	H_2	3.38

230 –

40 –

50 –

60 – 1.31 – ⑤
1.8

70 – 1.77 – ⑨
1.66

80 – 1.94 – ⑧
2.07

90 – 1.73 – ⑦
1.3

300 – .9
1.41

10 – 1.52 – ⑥
.63

20 – .35
.36

30 – .55
.55

40 – 1.27 – ⑤
1.28

50 – 1.06 – ④
.87

60 – .65
.33

70 – .33
.4

80 – .3
.34

90 – .51
1.75

400 – 2.1 – ③
2.04

410 – 1.83 – ②
1.93

20 – 2.37 – ①
1.97

30 – 1.73
1.61

40 – 1.49

444 – T.D.

50 –

Driller said water at 230', took water sample, drilled to 300, water standing in hole next A.M. at 230. Approx 15 GAL/MIN
Drilled to 450', Logged 444.
Installed 440' of 1" PVC Vent, perforated 220'.

12.28 V. 13.6 A. = .9 Ω

1	420	2.39	3.74
2	410	1.85	2.81
3	400	2.09	3.41
4	350	1.04	1.85
5	340	1.22	2.16
6	310	1.67	2.71
7	290	1.94	3.48
8	280	2.19	3.96
9	270	2.02	3.22
10	260	1.84	3.16

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

Analysis No. 1-10873 **Date** October 12, 1983

Operator El Paso Natural Gas **Well Name** San Juan 27-5 #112 CPS 1702W

Location SW 8-27-5 **County** Rio Arriba **State** New Mexico

Field Blanco **Formation**

Sampled From 230 feet

Date Sampled September 19, 1983 **By** Joe Stotts

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

	ppm	epm		ppm	epm
Sodium	172	7.5	Chloride	32	0.9
Calcium	0	0	Bicarbonate	268	4.4
Magnesium	0	0	Sulfate	98	2.0
Iron			Carbonate	5	0.2
H_2S			Hydroxide	0	0

Total Solids Dissolved 536

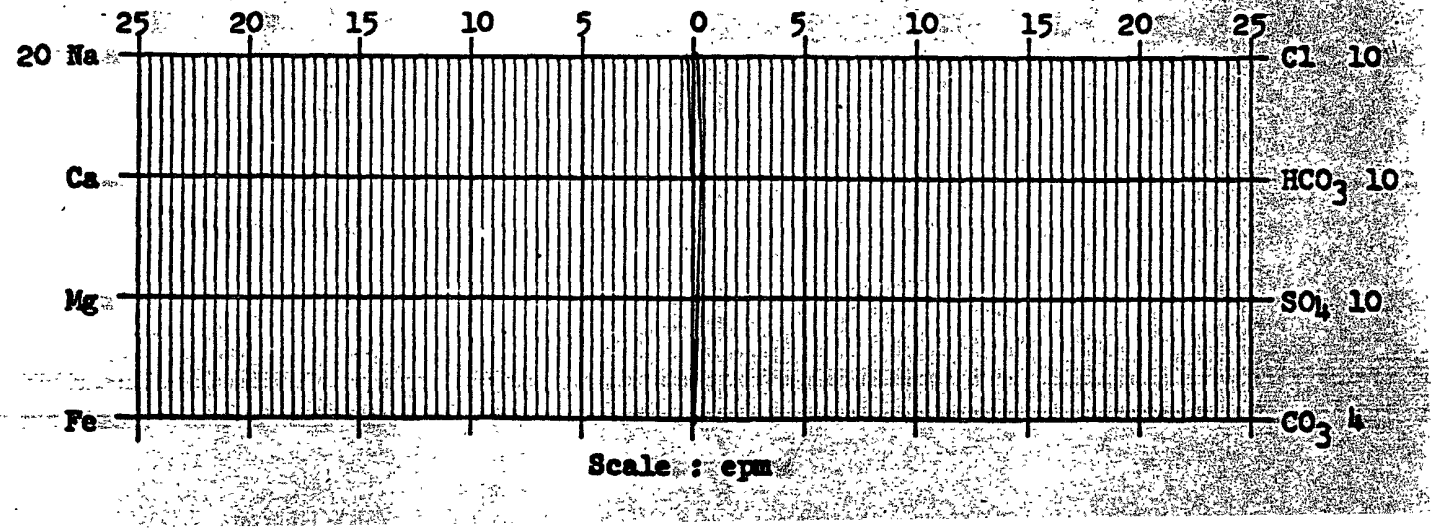
pH 8.4

Sp. Gr. 0.9964 **At** 60°F

Resistivity 1020 **ohm-cm at** 74°F

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

Dennis P. Bird GCK
Chemist



Form 22-2 (Rev. 5-79)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

CPS 1702 W DAILY DRILLING REPORT

LEASE SAW JHW WELL NO. 27-5 #112 CONTRACTOR SK Drilling RIG NO. 3 REPORT NO. DATE 9-18 1983

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

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

MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Billy Sanders Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	300	Sand & Shale & Sand Stone	6 3/4	
300	~~410~~ 450	Sand Stone		

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

MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

~~[illegible] [illegible]' [illegible] [illegible]~~

watter 230' 15 gal minut

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

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

MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Billy Sanders Company Supervisor J E [illegible]