

#42 30-039-07240
#95 30-039-20878

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 SW Sec. 31 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #42, #95

cps 1138w

Elevation 6379' Completion Date 8/29/77 Total Depth 296' 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' - 80'

Depths gas encountered: N/A

Type & amount of coke breeze used: 45 SACKS

Depths anodes placed: 275', 185', 175', 165', 155', 145', 135', 125', 115', 105'

Depths vent pipes placed: 300'

Vent pipe perforations: 200'

Remarks: gb #1

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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

Handwritten: H₂O + Fe

Drilling Log (Attach Hereto) ☐

Completion Date 8-29-77

Well Name <u>S.J. 28-5 #42</u> <u>S.J. 28-5 #95</u>		Location <u>SW 31-28-5</u>		CPS No. <u>1138 W</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>53965.19-50-20</u> <u>55637.21-50-20</u>	
Anode Hole Depth <u>Logged 296</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>45 sacks</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>275</u>	# 2 <u>185</u>	# 3 <u>175</u>	# 4 <u>165</u>	# 5 <u>155</u>	# 6 <u>145</u>
# 7 <u>135</u>	# 8 <u>125</u>	# 9 <u>115</u>	# 10 <u>105</u>		
Anode Output (Amps)					
# 1 <u>1.7</u>	# 2 <u>1.9</u>	# 3 <u>1.8</u>	# 4 <u>2.0</u>	# 5 <u>2.4</u>	# 6 <u>2.0</u>
# 7 <u>1.7</u>	# 8 <u>2.0</u>	# 9 <u>1.7</u>	# 10 <u>2.2</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>11.1</u>	Amps <u>13.8</u>	Ohms <u>.80</u>			

Remarks: STATICS #42-600' S-.85, #95-600' NW .70

DRILLER SAID HIT WATER AT 70' TO 80' MAKING LOTS OF WATER

INSTALLED 300' OF 1" VENT PIPE, PERFORATED 200' OF VENT PIPE

SLURRIED 45 SACKS OF COKE

60V. 30A. RECT.

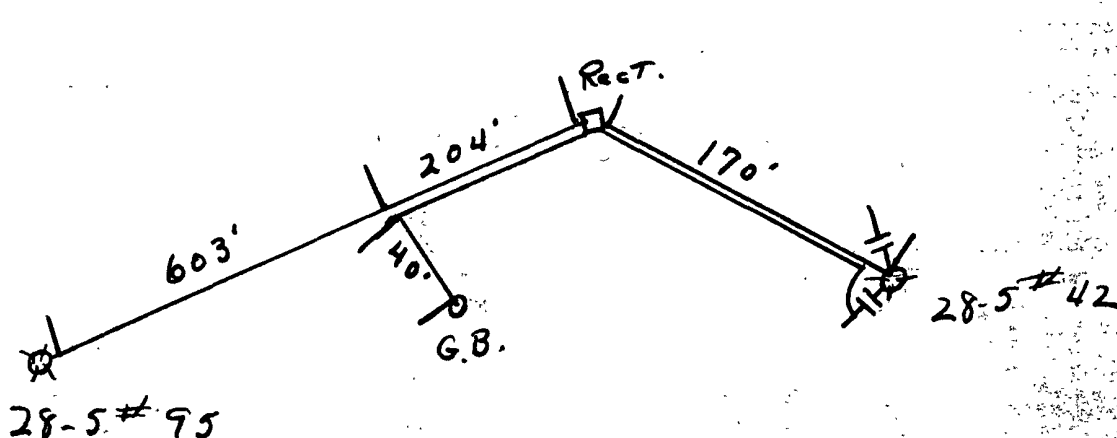
1 NOTCH = #42, 3 NOTCHS #95

STUB POLE

All Construction Completed

Handwritten Signature: Mills Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

Handwritten: 6079'

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

SAN JUAN 28-5[#] 42

W/D 184-53965.19-50-20

SAN JUAN 28-5[#] 95

W/D 184-55637.21-50-20

SW 31-28-6

CPS 1138 W

STATIC - 28-5[#] 42 - 600' S - .85STATIC - 28-5[#] 95 - 600' NW - .70

60V 30A Rect

STUB Pole

45 SACKS COKE

DRILLER Said HIT WATER

AT 70' TO 80' MAKING LOTS

OF WATER

INSTALLED 300' 1" VENT PIPE

PERFORATED 200' 1" VENT PIPE

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

70	1.60	10	1.70
	1.60		1.80
80	1.50	20	1.0
	1.50		.9
90	1.1	30	.8
	2.1		.8
100	2.2	40	.8
	1.9 ⑩		.7
10	1.8	50	.6
	1.5 ⑨		.6
20	1.9	60	.5
	1.6 ⑧		.6
30	1.5	70	1.1
	1.3 ⑦		1.5 ⑩
40	1.7	80	1.6
	1.7 ⑥		1.6
50	1.7	90	1.6
	2.0 ⑤		296 1.6
60	1.9	300	T.D
	2.0 ④		1099 and 296'
70	2.0		
	1.4 ③		
80	1.5		
	1.4 ②		
90	1.0		
	1.9		
200	1.0		
	.70		

①	275	1.7	28
②	185	1.9	2.7
③	175	1.8	3.5
④	165	2.0	4.5
⑤	155	2.4	3.9
⑥	145	2.0	3.3
⑦	135	1.7	3.0
⑧	125	2.0	3.5
⑨	115	1.7	3.2
⑩	105	2.2	3.5

11.1 VOLTS
13.8 AMPS
.80 ohms

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher _____ Company Supervisor _____