

1406

E

30-039-22193

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. 28 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #91A

cps 1630w

Elevation 6890 Completion Date 8/26/81 Total Depth 500' 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 130', 270', 390', 420'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4960 lbs.

Depths anodes placed: 475', 455', 435', 395', 375', 345', 300', 275', 250', 235', 175', 1

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1

RECEIVED
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

8 Hrs Ma
4 ✓ OT

Drilling Log (Attach Hereto). ☐

Completion Date 8-26-81

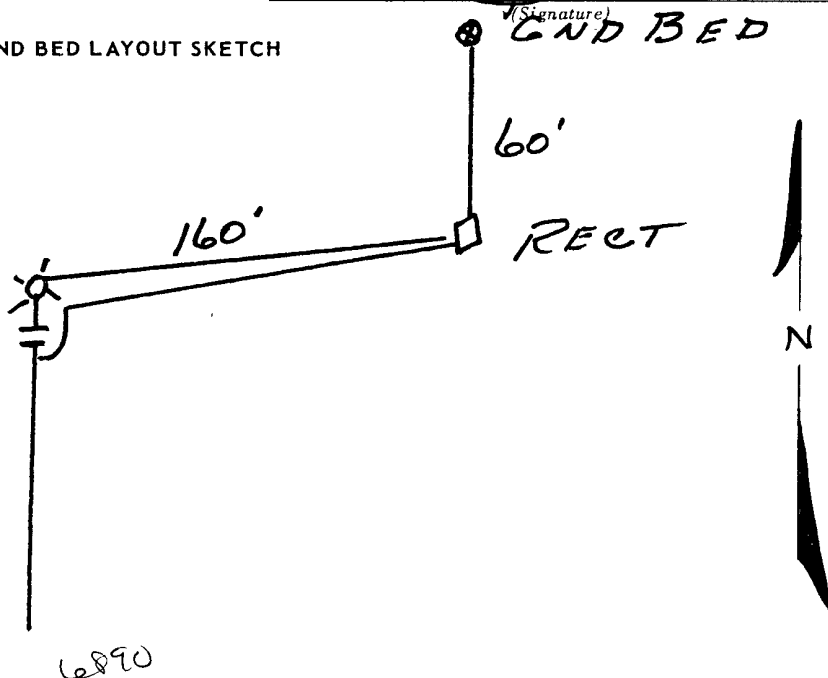
Well Name <u>ST 30-6 # 91A</u>		Location <u>SE 28-30-7</u>		CPS No. <u>1630 W</u>	
Type & Size Bit Used <u>UNION OK</u>				Work Order No. <u>57877-21-50-2</u>	
Anode Hole Depth <u>500' Log = 496</u>		Total Drilling Rig Time		Total Lbs. Coke Used <u>4960 #</u>	
Anode Depth		Total Circuit Resistance		No. Sacks Mud Used	
# 1 <u>475</u>	# 2 <u>455</u>	# 3 <u>435</u>	# 4 <u>395</u>	# 5 <u>375</u>	# 6 <u>345</u>
# 7 <u>300</u>	# 8 <u>275</u>	# 9 <u>250</u>	# 10 <u>235</u>		
Anode Output (Amps)		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
# 1 <u>370</u>	# 2 <u>478</u>	# 3 <u>369</u>	# 4 <u>208</u>	# 5 <u>216</u>	# 6 <u>465</u>
# 7 <u>250</u>	# 8 <u>184</u>	# 9 <u>131</u>	# 10 <u>130</u>		
Anode Depth		Total Circuit Resistance		No. 8 C.P. Cable Used	
# 11 <u>175</u>	# 12 <u>145</u>	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)		Total Circuit Resistance		No. 2 C.P. Cable Used	
# 11 <u>314</u>	# 12 <u>527</u>	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Volts <u>12.05</u>		Amps <u>21.3</u>		Ohms <u>.56</u>	

Remarks: DAMP AT 130' WOULD NOT BLOW WATER.
DAMP AT 270 ✓ ✓ ✓ ✓
DAMP AT 390' & 420'. COKE BRIDGED SOME TIME
AFTER #8 ANODE WAS COVERED. BLOWED BRIDGE OUT W
AIR #9 & 10 WOULD NOT RESPOND TO COKE. RAN #11 &
ANODES AT CPS EXPENSE
40-16V & STUB POLE. ✓
DITCH & 1 CABLE = 220' ✓
XTRA CABLE = ~~180~~ 180' ✓
HOLE = -4' ✓

All Construction Completed

BT
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6890

CPS 1636 W

Company Supervisor

SIGNED: Toolpusher

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 8-26-
Date:
By: BT
File1630 W
SE28-30-7 30-6 #91A 57877-21-50

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

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

DAMP AT 130' WOULD NOT BLOW WATER
 DAMP AT 270' ✓ ✓ ✓ ✓
 DAMP AGAIN 390' & 420' FEEL SURE
 WILL HAVE ENOUGH WATER. COKE BRIDGED
 BLOW OUT W/ AIR. RAN 2 XTRA ANODES TO REPLACE
 DRILLED TO 500' LOGGED 496

130	.78	30	157	30 - 111
35	.87	35	157	35 - 138
40	1.13	40	160	40 - 135
45	1.04 - 12	45	148 - 6	45 - 136
50	.87	50	134	50 - 150
55	.74	55	108	55 - 150
60	.58	60	90	60 - 140
65	.61	65	73	65 - 126
70	.71	70	95	70 - 142
75	.87 - 11	75	116 - 5	75 - 136
80	.70	80	145	80 - 134
85	.58	85	130	85 - 132
90	.45	90	110	90 - 136
95	.29	95	104 - 4	95 -
200		300	160 - 7	400
5		5	174	80
10		10	135	80
15		15	125	70
20		20	124	74
25		25	170	70

1 = 475 -	134	212	370
2 = 455 -	140	261	478
3 = 435 -	135	200	369
4 = 395 -	108	150	208
5 = 375 -	145	177	216
6 = 345 -	134	270	465
7 = 300 -	174	226	250
8 = 275 -	130	144	184
9 = 250 -	101	172	131
10 = 235 -	127	190	130
11 = 175 -	87	112	314
12 = 145 -	104	172	527

12.05 VOLT
21.3 AMPS
.56 A