

930

30-039-07403

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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 18 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #34

cps 1122w

Elevation 6527 Completion Date 8/31/77 Total Depth 340' 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. 95' & 120"

Depths gas encountered: N/A

Type & amount of coke breeze used: 40 SACKS

Depths anodes placed: 270', 260', 250', 240', 230', 220', 210', 200', 150', 140', 134'

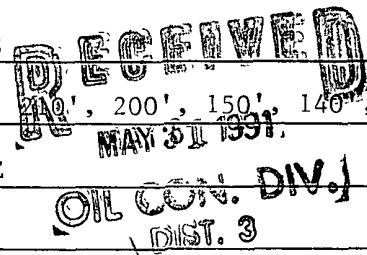
Depths vent pipes placed: 280' OF 1" PVC VENT PIPE

Vent pipe perforations: 200'

Remarks: gb #1 UNABLE TO GET COKE AROUND ANODE #6.

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 signature/initials

Drilling Log (Attach Hereto) ☐

Completion Date 8-31-77

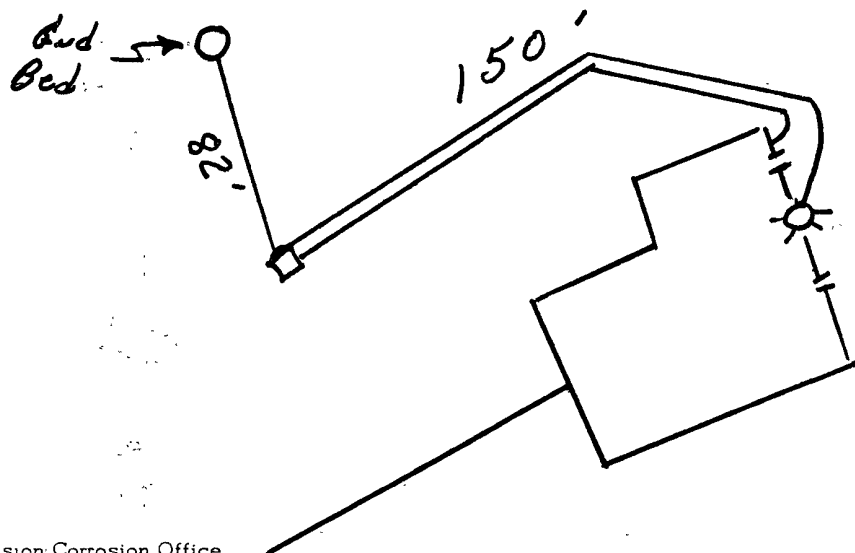
Well Name SAN JUAN 28-5 Unit #34		Location SW 18-28-5		CPS No. 1122W	
Type & Size Bit Used 6 3/4"				Work Order No. 20358.19	
Anode Hole Depth 340 - 320	Total Drilling Rig Time	Total Lbs. Coke Used 40	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 270	# 2 260	# 3 250	# 4 240	# 5 230	# 6 220
# 7 210	# 8 200	# 9 150	# 10 140		
Anode Output (Amps)					
# 1 2.5	# 2 3.2	# 3 3.1	# 4 3.0	# 5 2.5	# 6 3.6
# 7 2.6	# 8 2.6	# 9 4.0	# 10 3.5		
Anode Depth					
# 11 134	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11 2.8	# 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 11.7	Amps 14.3	Ohms 0.82			

Remarks: Static 600'W = 0.92. OK Insulating Union OK.
DRILLER SAID MAKING WATER @ 95' & MORE WATER @ 120'. PERFORATED
200' of 1" PVC Vent Pipe. Installed 280' of 1" PVC Vent Pipe.
SLURRIED 40 SACKS of COKE. UNABLE to get COKE AROUND
ANODE #6. Installed ANODE #11
Installed 40V 36A Rectifier & Stub Pole.

All Construction Completed

W. Z. Lutto
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6527

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

245
195

SAN JUAN 28-5 UNIT #34 SW18-28-5 1122W 20358.19

STATIC 600' W = 0.92

40V 16R Rectifier
Stub Pole

DRILLER SAID MAKING WATER @ 95'
MAKING MORE WATER @ 120'
Perforated 200' 1.5" PVC vent Pipe
Installed 280' 1.5" PVC vent Pipe
Shipped 40 SACKS of COKE

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

100 .8	60 1.4 ②
.6	1.5
10 .4	40 1.2 ①
.6	1.0
20 .4	80 .7
.3	.8
30 .3	90 .3
1.1 ⑪	.3
40 1.4 ⑩	300 .3
1.5 ⑨	.5
50 1.3 ⑧	10 1.0
.3	
60 .2	3 20 T.D.
.2	
70 .2	30

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

200 .2	① 270	1.5	2.5
80 .6	② 260	1.9	3.2
.4	③ 250	1.8	3.1
90 .4	④ 240	1.8	3.0
.4	⑤ 230	1.4	2.5
200 1.3 ⑧	⑥ 220	2.0	
1.5	⑦ 210	2.2	3.6
10 1.3 ⑦	⑧ 200	1.4	2.6
1.4	⑨ 150	2.5	4.0
20 1.2 ⑥	⑩ 140	2.2	3.5
1.2	⑪ 134	1.8	2.8
30 1.1 ⑤			
1.3			
40 1.5 ④	11.7	volts	
1.3	14.3	amps	
50 1.5 ③	0.82	ohms	
1.3			

DAILY DRILLING REPORT

LEASE						WELL NO.								CONTRACTOR							RIG NO.									REPORT NO.						DATE					
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.													
										TD. 330'																															
BIT NO.										NO. DC SIZE LENG.										NO. DC SIZE LENG.																					
SERIAL NO.										STANDS										STANDS																					
SIZE										SINGLES										SINGLES																					
TYPE										DOWN ON KELLY 340										DOWN ON KELLY																					
MAKE										TOTAL DEPTH 320										TOTAL DEPTH																					
MUD RECORD										MUD, ADDITIVES USED AND RECEIVED										MUD RECORD										MUD, ADDITIVES USED AND RECEIVED											
Time			Wt.			Vis.															Time			Wt.			Vis.														
FROM TO TIME BREAKDOWN										FROM TO TIME BREAKDOWN										FROM TO TIME BREAKDOWN																					
0 3 surface										85 95 shale										255 278 Shale																					
3 10 shale (sticky)										95 125 sand wet (making water)										278 289 sandy shale																					
10 15 sandstone										125 140 shale										289 325 shale																					
1- 69 sand dry										140 195 sand wet										325 340 Sandy shale																					
47 80 Sand Wet										195 250 shale																															
80 85 Clay										250 255 Sand stone																															
REMARKS -										REMARKS -										REMARKS -																					
										Drilled 340'																															
										Logged 320'																															
										making Water 95' - 125'																															
										injected 130'																															
										Stopped injecting 140'																															

SIGNED: Toolpusher

____ Company Supervisor