

30-045-10343

**RECEIVED**

MAY 31 1991

**OIL CON. DIV  
DIST. 3**

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator TENNECO Location: Unit NE Sec. 27 Twp 31 Rng 9

Name of Well/Wells or Pipeline Serviced SCHWERDTFEGGER #2

cps 344w

Elevation 6218' Completion Date 7/3/74 Total Depth 400' 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. WET AT 100' WATER AT 205'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 365', 355', 345', 335', 300', 290', 280', 265', 250', 235'

Depths vent pipes placed: N/A

Vent pipe perforations: 275'

Remarks: qb #2 not a MERIDIAN well.

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

*logged*

Drilling Log (Attach Hereto)

Completion Date 7-3-74

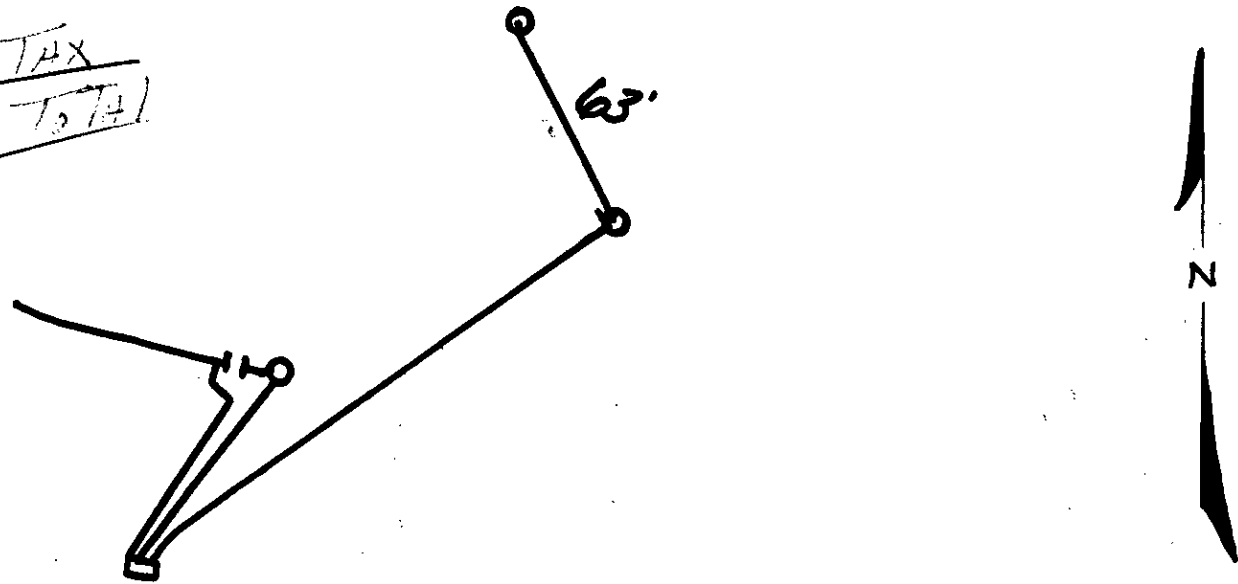
Well Name <b>Schwerdtfeger #2</b>		Location <b>NE 27 -31- 9</b>				CPS No. <b>344W</b>				
Type & Size Bit Used <b>6 3/4</b>						Work Order No. <b>52099</b>				
Anode Hole Depth <b>400</b>	Total Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used		No. Sacks Mud Used			
Anode Depth	# 1 <b>365</b>	# 2 <b>355</b>	# 3 <b>345</b>	# 4 <b>335</b>	# 5 <b>300</b>	# 6 <b>290</b>	# 7 <b>280</b>	# 8 <b>265</b>	# 9 <b>250</b>	# 10 <b>235</b>
Anode Output (Amps)	# 1 <b>3.1</b>	# 2 <b>4.0</b>	# 3 <b>4.4</b>	# 4 <b>3.8</b>	# 5 <b>3.2</b>	# 6 <b>3.8</b>	# 7 <b>3.4</b>	# 8 <b>3.6</b>	# 9 <b>3.7</b>	# 10 <b>4.0</b>
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	Volts <b>11.5</b>		Amps <b>14.0</b>		Ohms <b>0.82</b>		No. 8 C.P. Cable Used <b>68</b>		No. 2 C.P. Cable Used	

Remarks: *Driller said wet at 100-120 - Start injection at 100  
Water level at 205 after 30 Min.  
Vent Perforated 275  
Pump Coke to Surface*

\$ 3,409.00  
27.20 Cable  
-----  
\$ 3,436.20  
-220.00 Dept. Credit  
-----  
\$ 3,216.20  
128.05 TAX  
-----  
\$ 3,344.25 TOTAL

All Construction Completed  
*Arvels*  
(Signature)

GROUND BED LAYOUT SKETCH



344W  $\lambda = 11.7$

MW	relat/mol
10	0.5
15	0.75
20	1.0
25	1.25
30	1.5
35	1.75
40	2.0
45	2.25
50	2.5
55	2.75
60	3.0
65	3.25
70	3.5
75	3.75
80	4.0
85	4.25
90	4.5
95	4.75
100	5.0

100		280	12	Driller Said wet		
			12	100-120-wtr level		
10		90	13	at 205 after 30'		
			13			
20		300	12			
			11			
30		10	11	Vent. 275		
			9	Pump Ck to Surface		
40		20	5			
			2			
50		30	6			
			14			
60		40	19			
			24			
70		50	21	1	365	1.4 1.8 3.1
			21	2	355	2.1 2.6 4.0
80		60	20	3	345	2.4 3.0 4.4
			14	4	335	1.2 2.2 3.8
90		70	12	5	320	1.2 1.8 3.2
			13	6	290	1.3 2.4 3.8
200		80	26	7	280	1.2 2.0 3.4
	6		18	8	265	1.2 1.9 3.6
10	8	90	13	9	250	1.3 1.6 3.7
	10	TJ 96	12	10	235	1.2 1.8 4.0
20	9	400				
	10					
30	12					
	1.2					
40	12					
	1.2					
50	13					
	1.2					
60	12					
	1.2					
70	12					
	1.1					

$11.5 \times 14.0 A = 0.82$   
20  
300

MW	relat/mol
10	0.5
15	0.75
20	1.0
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30	1.5
35	1.75
40	2.0
45	2.25
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95	4.75
100	5.0

