

30-045-20037

5205

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. 30 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #165

cps 933w

Elevation 6553' Completion Date 7/24/75 Total Depth 360' 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 125'-135' & 240'-260'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3900 lbs.

Depths anodes placed: 320', 310', 300', 290', 280', 270', 260', 250', 225', 215'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: egb #1 POSSIBLE BRIDGE BETWEEN ANODE #1 & #2.

RECEIVED
MAY 31 1991
CON. DIV. I

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

Log

Drilling Log (Attach Hereto). ☐

Completion Date **7-24-75**

Well Name HUERFANO #165		Location SE 30-26-9		CPS No. 933W																																																																									
Type & Size Bit Used 6 3/4				Work Order No. 54479																																																																									
Anode Hole Depth 360	Total Drilling Rig Time	Total Lbs. Coke Used 3900	Lost Circulation Mat'l Used	No. Sacks Mud Used																																																																									
<table border="1"> <tr> <td colspan="2">Anode Depth</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td># 1 320</td> <td># 2 310</td> <td># 3 300</td> <td># 4 290</td> <td># 5 280</td> <td># 6 270</td> </tr> <tr> <td># 7 260</td> <td># 8 250</td> <td># 9 225</td> <td># 10 215</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td># 1 1.8</td> <td># 2 2.4</td> <td># 3 3.8</td> <td># 4 3.6</td> <td># 5 4.1</td> <td># 6 3.6</td> </tr> <tr> <td># 7 4.3</td> <td># 8 3.2</td> <td># 9 3.6</td> <td># 10 4.3</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Anode Depth</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td># 11</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td># 11</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> </tr> <tr> <td colspan="2">Total Circuit Resistance</td> <td colspan="2"></td> <td colspan="2">No. 8 C.P. Cable Used</td> </tr> <tr> <td>Volts 12.0</td> <td>Amps 16.5</td> <td>Ohms 0.72</td> <td colspan="2">3020</td> <td>No. 2 C.P. Cable Used</td> </tr> </table>						Anode Depth						# 1 320	# 2 310	# 3 300	# 4 290	# 5 280	# 6 270	# 7 260	# 8 250	# 9 225	# 10 215			Anode Output (Amps)						# 1 1.8	# 2 2.4	# 3 3.8	# 4 3.6	# 5 4.1	# 6 3.6	# 7 4.3	# 8 3.2	# 9 3.6	# 10 4.3			Anode Depth						# 11	# 12	# 13	# 14	# 15	# 16	Anode Output (Amps)						# 11	# 12	# 13	# 14	# 15	# 16	Total Circuit Resistance				No. 8 C.P. Cable Used		Volts 12.0	Amps 16.5	Ohms 0.72	3020		No. 2 C.P. Cable Used
Anode Depth																																																																													
# 1 320	# 2 310	# 3 300	# 4 290	# 5 280	# 6 270																																																																								
# 7 260	# 8 250	# 9 225	# 10 215																																																																										
Anode Output (Amps)																																																																													
# 1 1.8	# 2 2.4	# 3 3.8	# 4 3.6	# 5 4.1	# 6 3.6																																																																								
# 7 4.3	# 8 3.2	# 9 3.6	# 10 4.3																																																																										
Anode Depth																																																																													
# 11	# 12	# 13	# 14	# 15	# 16																																																																								
Anode Output (Amps)																																																																													
# 11	# 12	# 13	# 14	# 15	# 16																																																																								
Total Circuit Resistance				No. 8 C.P. Cable Used																																																																									
Volts 12.0	Amps 16.5	Ohms 0.72	3020		No. 2 C.P. Cable Used																																																																								

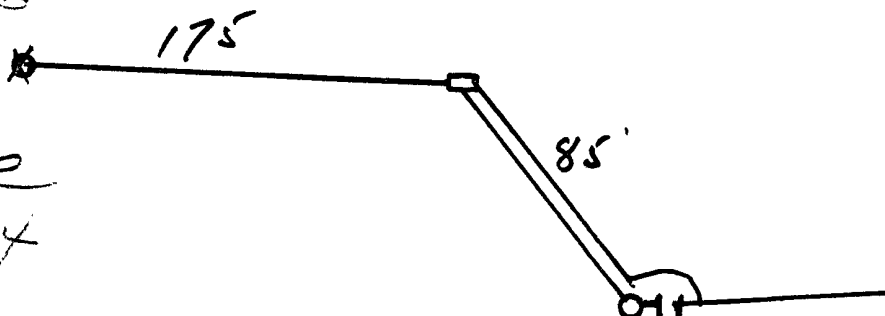
Remarks: **Drill to 360 - Damp at 125 to 125 & 240 to 260**
Start wtr. injection at 300 -
Water level at 205 Next A.M.
No 1 Anode Did Not Respond to Coke
Believe Bridge Between 1 & 2 Anodes
Slurry 39
Vent Pert 200'

Construction Completed

Amels
(Signature)

Driller 635.32
Note - 562.96
Wave 280.60
Coke - 334.00
anodes 264.00
J Box 72.00
Man. 5.00
Rest 196.50
2105.34

GROUND BED LAYOUT SKETCH



933 W

NW	gals/mol
16 C ₁	5.2
30 C ₂	2.2
14 C ₃	10.42
58 IC ₄	12.38
11 NC ₄	11.93
2 IC ₅	13.85
1 NC ₅	13.71
46 IC ₆	15.50
1 C ₆	15.57
100 IC ₇	17.2
1 C ₇	17.46
114 C ₈	20.57
28 C ₉	9.64
42 C ₁₀	9.57

205	1.4	Drill to 360' - Water at 205 Next AM. Damp at 125 to 135 240 To 260 - Start inj at 300' Vent Perf. 200' Bridge cr. Conc - No. 1 Anode Did Not Responc
210	3.0	
	3.1 -	
20	2.8	
	2.8 -	39 Coke
30	2.2	
	1.8	
40	1.8	
	2.2	
50	2.5 ✓	
	2.6	
60	2.8 ✓	
	3.0	
70	3.0 ✓	
	2.8	
80	3.0 ✓	
	2.8	
90	2.6 ✓	
	2.4	
300	2.6 ✓	
	1.7	
10	1.8 -	
	1.8	
20	1.8 -	
	2.0	
30	2.5	
	2.5	
40	2.4 T.O.	
50		
60		

1	320	1.8	1.8
2	310	1.6	2.4
3	300	2.6	3.8
4	290	2.8	3.6
5	280	3.8	4.1 4.1
6	270	2.7	3.6
7	260	2.8	4.3
8	250	3.0	3.2
9	225	3.2	3.6
10	215	3.2	4.3

12 V

16.5 AMP = 72 W

NW	MISC	gals/mol
44 CO ₂	0.38	
34 H ₂ S	5.17	
28 N ₂	4.10	
2 C ₁₀	1.38	