

30-045-06029

5191

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. 2 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #109

cps 946w

Elevation 6660' Completion Date 8/15/75 Total Depth 380' 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 160' WET AT 220'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3900 lbs.

Depths anodes placed: 335', 325', 315', 290', 280', 270', 260', 240', 230', 220'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: qb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST.

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

[Signature]

Completion Date 8-15-75

Drilling Log (Attach Hereto). ☐

Well Name Huerfano Unit #109		Location SE 2-26-10		CPS No. 946W	
Type & Size Bit Used 6 3/4				Work Order No. 53805	
Anode Hole Depth 380	Total Drilling Rig Time	Total Lbs. Coke Used 3900	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 335	# 2 325	# 3 315	# 4 290	# 5 280	# 6 270
# 7 260	# 8 240	# 9 230	# 10 220		
Anode Output (Amps)					
# 1 1.6	# 2 4.1	# 3 3.6	# 4 2.0	# 5 2.4	# 6 2.0
# 7 2.6	# 8 2.8	# 9 3.0	# 10 3.4		
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 9.0	Amps 11.5	Ohms 0.78	3065		

Remarks: Damp at 160' - Wet at 220' - Start water injection at 22
Vent Perforated 200:

No 1 Anode Did Not Respond to Coke - Believe Bridge
Between 1 & 2 Anodes -

Slurry 39 Sx. Coke

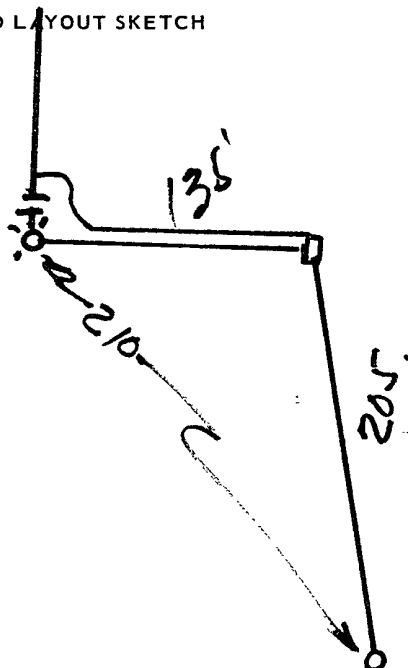
11 hrs

Driller 1026.41
mate 299.52
loop 285.05
cable 234.00
anodes 224.60
vent 23.00
total 1941.50
2463.08

All Construction Completed

[Signature]
(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

____ Company Supervisor

946W-8-15-75

Damp at 160
Wet at 220
Start wtr. inj. at 220

Vent Perf. 200

NW	gas/mol
16	C ₁ 6.4
30	C ₂ 10.2
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
86	NC ₅ 13.71
100	IC ₆ 15.50
114	IC ₇ 15.57
128	IC ₈ 17.2
142	C ₉ 17.46
156	C ₁₀ 17.31
170	C ₁₁ 18.64
184	C ₁₂ 19.67

NW	MISC	gas/mol
14	CO ₂	6.15
28	H ₂ S	5.17
42	N ₂	4.16
56	H ₂	3.38

220	1.8				
	1.9				
30	1.8				
	1.7				
40	1.7				
	1.3				
50	1.1				
	1.2				
60	1.4				
	1.3				
70	1.2				
	1.1				
80	1.3				
	1.2				
90	1.2				
	1.0				
300	1.0				
	1.0				
10	1.2	1	335	7.6	1.6
	1.7	2	325	2.3	4.1
20	1.8	3	315	2.1	3.6
	1.8	4	290	1.2	2.0
30	1.9	5	280	1.6	2.4
	1.9	6	270 270	1.4	2.0
40	1.6	7	260 260	1.6	2.6
	1.5	8	240 240	2.1	2.8
50	1.7	9	230	2.3	3.0
	1.6	10	220	2.4	3.4
60	258 T.D.				
70					
80					

$9.0 \text{ A} \times 11.5 \text{ A} = 0.78$
 $9.5 \text{ A} \times 12.0 \text{ A} = 0.78$