

30-045-11704

~~5190~~ 5190

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 3 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #103

cps 947w

Elevation 6725' Completion Date 8/18/75 Total Depth 460' 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 120'-136' , 15'-229' , 234'-300'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4100 lbs.

Depths anodes placed: 425', 415', 405', 395', 387', 379', 371', 363', 355', 300'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: qb #1

RECEIVED
MAY 31 1991
OIL CON. DIST. 2

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

Completion Date **8-18-75**

Drilling Log (Attach Hereto). ☐

Well Name Huerfano # 103		Location NW 3-26-10⁹		CPS No. 947W	
Type & Size Bit Used 10 3/4				Work Order No. 53665	
Anode Hole Depth 460	Total Drilling Rig Time	Total Lbs. Coke Used 4100	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 425	# 2 415	# 3 405	# 4 395	# 5 387	# 6 379
# 7 371	# 8 363	# 9 355	# 10 300		
Anode Output (Amps)					
# 1 2.0	# 2 2.4	# 3 3.6	# 4 3.6	# 5 3.3	# 6 3.5
# 7 3.4	# 8 3.3	# 9 2.8	# 10 3.6		
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 11.0	Amps 11.0	Ohms 1.0	4095		

Remarks: **Start wtr. injection at 300'**
Installed Anodes on 8' Centers to keep Anodes
Below 300'
Vent Perforated. 200'
Slurry 41 Sacks Coke

Driller 839.79
note 406.12
wave 380.84
coke 246.00
anodes 260.60
T Bar 80.00
Vent 25.00
Feet 14.50
misc. 50.00
2490.83

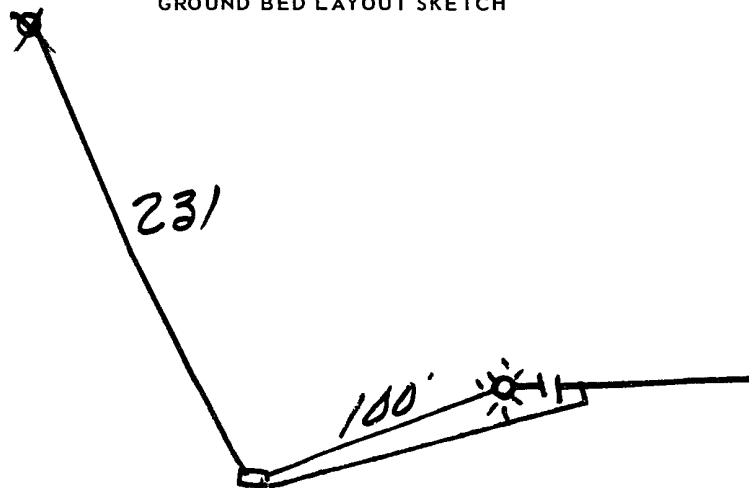
Handwritten initials

All Construction Completed

Handwritten signature: Daniels

(Signature)

GROUND BED LAYOUT SKETCH



8-142815 75

DAILY DRILLING REPORT

LEASE				WELL NO. 94720 CONTRACTOR				RIG NO.				REPORT NO.				DATE				19															
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.							
26		31		SAND						33		38		SAND						90		115		SAND											
31		41		SANDSTONE						38		70		SANDSTONE						115		130		SANDSTONE											
41		26		SAND						70		80		SANDSTONE						130		140		SAND											
26		33		SANDSTONE						80		90		SANDSTONE						140		178		SANDSTONE											
BIT NO.				NO. DC		SIZE		LENG.		BIT NO.				NO. DC		SIZE		LENG.		BIT NO.				NO. DC		SIZE		LENG.							
SERIAL NO.				STANDS						SERIAL NO.				STANDS						SERIAL NO.				STANDS											
SIZE		1 3/4		SINGLES						SIZE				SINGLES						SIZE				SINGLES											
TYPE				DOWN ON KELLY						TYPE				DOWN ON KELLY						TYPE				DOWN ON KELLY											
MAKE				TOTAL DEPTH						MAKE				TOTAL DEPTH						MAKE				TOTAL DEPTH											
MUD RECORD				MUD, ADDITIVES USED AND RECEIVED						MUD RECORD				MUD, ADDITIVES USED AND RECEIVED						MUD RECORD				MUD, ADDITIVES USED AND RECEIVED											
Time		WT.		VIS.						Time		WT.		VIS.						Time		WT.		VIS.											
FROM		TO		TIME BREAKDOWN						FROM		TO		TIME BREAKDOWN						FROM		TO		TIME BREAKDOWN											
128		180		SAND						390				SAND																					
180		310		SANDSTONE						410				SANDSTONE																					
310		321		SAND						433				SAND																					
322		335		SANDSTONE						436				SANDSTONE																					
335		340		SAND						460				SAND																					
340		390		SANDSTONE										TD																					
REMARKS -												REMARKS -												REMARKS -											
1 1110 @ 120 to 134																																			
" 150 " 229																																			
" 234 " 300																																			
Inject. @ 300 to 466																																			

SIGNED: Toolpusher

Company Supervisor

947W - 8-18-75

v/w		gal/mol
16	C ₁	6.4
30	C ₂	10.12
44	C ₃	10.42
58	IC ₄	12.36
72	NC ₄	11.93
86	IC ₅	13.85
100	NC ₅	13.71
114	IC ₆	15.50
128	C ₆	15.57
142	IC ₇	17.2
156	C ₇	17.46
170	IC ₈	19.05
184	C ₈	19.64
198	C ₉	21.67

55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
165
170
175
180
185
190
195
200

v/w		MSC	gal/mol
14	CO ₂	6.38	
14	H ₂ S	5.17	
28	N ₂	4.16	
2	H ₂	3.38	

300	1.0	250	.9		
.	.7		.8		
310	.4	260	.8		
	.4		.7		
320	.5	270	.9		
	.7		.8		
330	.7	280	.9		
.	.7		.8		
340	.7	290	.8		
	.7		.8		
350	.7	300	1.2		
	1.0		.7		
360	1.1				
3	1.1				
370	1.2				
	1.2				
380	1.2				
	1.3				
390	1.4	1.	425	1.5	2.0
	1.4	2.	415	1.9	2.4
400	1.4	3.	405	1.7	3.6
	1.4	4.	395	1.3	3.6
410	1.6	5.	387	1.6	3.3
	1.6	6.	379	1.5	3.5
420	1.5	7.	371	1.5	3.4
	1.3	8.	363	1.4	3.3
430	1.2	9.	355	1.2	2.8
	1.2	10.	300	1.2	3.6
440					
	439 TD				
450					

31.5
11.0V 11.0A = 1.0W