

30-045-11781

5200

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. 1 Twp 25 Rng 10Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #148cps 938wElevation 6751' Completion Date 8/5/75 Total Depth 400' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 195'Depths gas encountered: N/AType & amount of coke breeze used: 4100 lbs.Depths anodes placed: 330', 320', 310', 300', 290', 260', 250', 240', 220', 210'Depths vent pipes placed: N/AVent pipe perforations: 200'Remarks: qb #1**RECEIVED**

MAY 31 1991

OIL CON. DIV
DIST. 3

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

Drilling Log (Attach Hereto) ☐

Completion Date 8-5-7

Well Name <u>Huerfano #148</u>				Location <u>NW 1-25N-10W</u>				CPS No. <u>938W</u>			
Type & Size Bit Used <u>6 3/4"</u>								Work Order No. <u>54434.19-50</u>			
Anode Hole Depth <u>400'</u>		Total Drilling Rig Time		Total Lbs. Coke Used <u>4100</u>		Lost Circulation Mat'l Used		No. Sacks Mud Used			
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	
	<u>330</u>	<u>320</u>	<u>310</u>	<u>300</u>	<u>290</u>	<u>260</u>	<u>250</u>	<u>240</u>	<u>220</u>	<u>2</u>	
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	
	<u>3.2</u>	<u>4.0</u>	<u>4.2</u>	<u>3.4</u>	<u>3.8</u>	<u>3.6</u>	<u>3.2</u>	<u>3.6</u>	<u>3.4</u>	<u>4</u>	
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 <u>11.8</u>		Amps <u>13.0</u>		Ohms <u>0.91</u>		<u>3050</u>					

Remarks: Drill with Air. Driller said water
AT 195' Vent Hose Perforated 200' Loggi
Anode stopped AT 374'

Drill 1166.88
Water 224.64
Loop 313.20
Wash 245.65
Coke 246.00
Anodes 264.60
F.S. 83.00
Rest - 184.50
Mud - 50.00
2726.67

All Construction Completed

Edward R. Paulke
(Signature)

GROUND BED LAYOUT SKETCH



1122

MORGAN DRILLING COMPANY

P.O. Box 326 • Broken Bow, Oklahoma 74728

Ph. Office 405/584-6000
Mobile 584-6860
Night 420-3248

DATE 8-5-75

Work Order No. 64434, 19-50-20

Karlsruhe-unit #148

CUSTOMER <i>Harco</i>		SERVICE ADDRESS <i>Farmington New Mexico</i>		CITY <i>Farmington N.M.</i>	
FEI NO. <i>CPS 9384</i>	REQ. NO.	SERVICEMAN <i>McDonald</i>	VEHICLE NO. <i>T-4</i>	DATE COMPLETED	

LITHOLOGIC LOG

[illegible]

Date started 2-5-75, 1975
Date completed 2-5-75, 1975

INSTRUCTIONS:

[illegible]

SERVICE PERFORMED:

TOTAL DEPTH	374
RIG TIME	
WATER TRUCK	

DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Ali Khan

Address _____

Well driller's license number _____

Signed _____

Date _____

Customer's Signature

Bv

938 W

Driller said water at
195' vent perf. 200'

MW	gas/mol
16	C ₁ 8.4
30	C ₂ 1.5
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.92
86	IC ₅ 11.42
100	NC ₅ 15.57
114	IC ₆ 17.2
128	C ₇ 17.46
142	C ₈ 17.51
156	C ₉ 17.64
170	C ₁₀ 17.67

MW	MISC.	gas/mol
14	CO ₂	2.0
34	H ₂ S	5.17
44	N ₂	1.10
2	H ₂	1.16

200	1.2				
	1.8				
⑩ 10	2.0				
	2.0				
⑩ 20	1.8				
	1.2				
30	1.4				
	1.6				
⑩ 40	1.8				
	2.0				
⑩ 50	2.0				
	1.8				
⑩ 60	1.8				
	1.2				
70	1.0				
	1.0				
80	1.0				
	1.2				
⑩ 90	2.0				
	2.0				
⑩ 300	1.0				
	2.0				
⑩ 10	2.0				
	1.8				
⑩ 20	1.8				
	1.8				
⑩ 30	1.6				
	1.0				
40	.8				
	.6				
50	.6				
	.6				
60	.6				
	.8				
70	.8				
	374'	BOTTOM			

	3	Water	CO ₂
1	330	2.0	3.2
2	320	2.2	4.0
3	310	2.4	4.2
4	300	2.0	3.4
5	290	2.2	3.8
6	260	2.2	3.6
7	250	2.0	3.2
8	240	2.4	3.6
9	220	2.0	3.4
10	210	2.6	4.4
	2750	11.8	13.0
	300		0.91
	3050		