

30-045-11743

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

Operator MERIDIAN OIL Location: Unit SW Sec. 18 Twp 25 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #149

cps 904w

Elevation 6808' Completion Date 6/20/75 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. 229'

RECEIVED
MAY 31 1991

Depths gas encountered: N/A

Type & amount of coke breeze used: 3300 lbs.

OIL CO.
D/C

Depths anodes placed: 350', 340', 330', 320', 310', 300', 290', 280', 270', 260'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb #1

gb #1

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
CAT. DIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 6-20-72

Well Name <u>Huerta 149</u>		Location <u>SW 18-25N-9W</u>		CPS No. <u>904W</u>	
Type & Size Bit Used <u>6 7/8"</u>				Work Order No. <u>184-54935.19-50-</u>	
Anode Hole Depth <u>400'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>3,300</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>350</u>	# 2 <u>340</u>	# 3 <u>330</u>	# 4 <u>320</u>	# 5 <u>310</u>	# 6 <u>300</u>
# 7 <u>290</u>	# 8 <u>280</u>	# 9 <u>270</u>	# 10 <u>26</u>		
Anode Output (Amps)					
# 1 <u>5.2</u>	# 2 <u>3.8</u>	# 3 <u>5.0</u>	# 4 <u>4.8</u>	# 5 <u>5.0</u>	# 6 <u>4.2</u>
# 7 <u>3.6</u>	# 8 <u>4.6</u>	# 9 <u>4.8</u>	# 10 <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>18.5</u>	Ohms <u>0.64</u>	<u>3650'</u>		

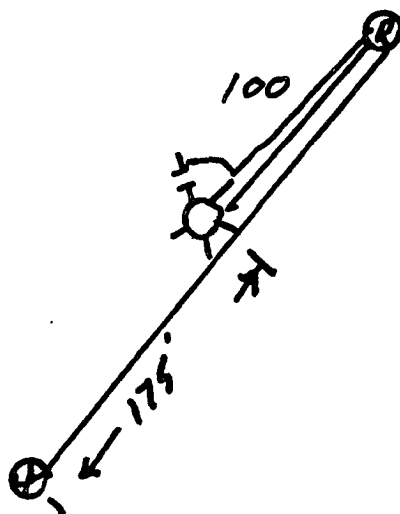
Remarks: Drill with Air. Driller said wet @ 22
Increase to 2 gal/min @ 243' vent hose perforated:
Logging Anode stopped at 365'

Anodes - 264.60
 Wire - 339.45
 Cable - 231.00
 Box - 83.00
 Misc - 50.00
 Drilled - 1170.00
 Rent - 195.00
 Mate - 403.78
 Insp - 106.70
2843.53

All Construction Completed

Edward R. Paulk
 (Signature)

GROUND BED LAYOUT SKETCH



904W

MW		gals/mol
16	C ₁	6.4
30	C ₂	10.5
44	C ₃	16.4
58	IC ₄	12.18
"	NC ₄	11.93
72	IC ₅	13.85
"	NC ₅	13.71
86	IC ₆	15.50
"	C ₆	15.57
100	IC ₇	17.2
"	C ₇	17.46
114	C ₈	19.21
28	C ₅	9.64
42	C ₆	9.67

MISC		
MW		gals/mol
44	CO ₂	0.38
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38

Depth	Water	Coke
1.0		
230 1.6		
1.0		
40 1.0		
.8		
50 1.6		
1.9		
60 1.0		
2.0		
70 1.0		
1.0		
80 1.0		
1.8		
90 1.8		
2.0		
300 2.0		
2.0		
10 1.0		
1.0		
20 1.0		
1.0		
30 2.1		
2.0		
40 2.0		
2.0		
50 2.2		
1.0		
60 2.0		
BOTTOM		
70		
80		
90		
400		

Driller said wet @ 229
Increase = 2921 Min - 243'

Weight	Water	Coke
1 350	2.4	5.2
2 340	2.2	3.8
3 330	2.4	5.0
4 320	2.4	4.8
5 310	2.4	5.0
6 300	2.4	4.2
7 290	2.0	3.6
8 280	2.4	4.6
9 270	2.4	4.8
10 260	2.4	4.4
3350	11.84	18.5A 0.64 -
300		
3650		

White - Water Resources Board

Canary - Drillers Copy

Pink - Drillers Copy

STATE OF OKLAHOMA

WATER RESOURCES BOARD

5th Floor, Jim Thorpe Building

Oklahoma City, Oklahoma 73105

Application No. _____

Aquifer _____

Stream System Code _____

Use Code _____

County _____

(Office Use Only)

WELL DRILLERS REPORT

1. OWNER _____ ADDRESS _____

2. LOCATION _____ 1/4 _____ 1/4 _____ 1/4 _____ Sec. _____ Twp. _____ N/S Rge. _____ E./W _____

PERMIT NO. _____ County _____

3. TYPE OF WORK

- ☐ New Well ☐ Recondition
☐ Deepen ☒ Other

4. PROPOSED USE

- ☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☒ Industrial ☐ Stock

5. TYPE WELL

- ☐ Cable ☒ Rotary A/R
☐ Other ☐ Rev. Rot.

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
blue shale		150	158	
red shale		158	194	
sandy shale gray		194	203	
sandy shale		203	212	
red shale		212	214	
gray sandy shale		214	220	
blue shale		220	223	
light gray sandstone		223	224	
sandy shale gray		224	229	
moisture encountered started water in center				
light gray sandstone		229	243	27
red shale		243	250	
fine sandy shale		250	269	
light blue sandy shale		269	290	
blue shale		290	304	
gray sandy shale		304	323	
red shale		323	325	
blue shale		325	348	
dark brown shale		348	354	
gray shale		354	366	
blue shale		366	400	

8. WELL CONSTRUCTION

Diameter hole 6 3/4 inches Total depth 400 feet
 Casing record None
 Weight per foot _____ Thickness _____
 Diameter _____ From _____ To _____
 _____ inches _____ feet _____ feet
 _____ inches _____ feet _____ feet
 _____ inches _____ feet _____ feet
 Surface seal: ☐ Yes ☐ No Type _____
 Depth of seal _____ feet
 Gravel packed: ☐ Yes ☐ No
 Gravel packed from _____ feet to _____ feet
 Perforations: _____
 Type perforation _____
 Size perforation _____
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

9. WATER LEVEL

Static water level _____ Feet below land surface _____
 Flow _____ G.P.M. approx 2
 Water temperature _____ F. Quality _____

10. DRILLERS CERTIFICATION

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

Name Billy R Morgan

Address _____

Well driller's license number _____

Signed _____

Date _____

7. WELL TEST DATA

Pump R.P.M.	G.P.M.	Draw Down	After Hours Pump