

30-045-20437

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. 7 Twp 25 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #189

cps 899w

Elevation 6879' Completion Date 6/23/75 Total Depth 425' 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. WET AT 170'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3900 lbs.

Depths anodes placed: 380', 370', 360', 350', 340', 320', 305', 295', 280', 230'

Depths vent pipes placed: N/A

Vent pipe perforations: 230'

Remarks: gb #1

RECEIVED

MAY 31 1991
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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Leppard

Drilling Log (Attach Hereto) ☐

Completion Date 6-13-75

Well Name Huerta # 189		Location SW 7- 25N-9W		CPS No. 899W	
Type & Size Bit Used 6 3/4"				Work Order No. 184-54645.19-50-20	
Anode Hole Depth 425	Total Drilling Rig Time	Total Lbs. Coke Used 3,900	Lost Circulation Mat'l Used		No. Sacks Mud Used
Anode Depth	# 1	# 2	# 3	# 4	# 5
	380	370	360	350	340
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	2.8	3.8	4.6	4.2	4.0
Anode Depth	# 6	# 7	# 8	# 9	# 10
	320	305	295	280	230
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	2.6	4.2	4.4	2.6	5.2
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	No. 8 C.P. Cable Used				No. 2 C.P. Cable Used
Volts 11.8	Amps 16.0	Ohms 0.73	3620'		

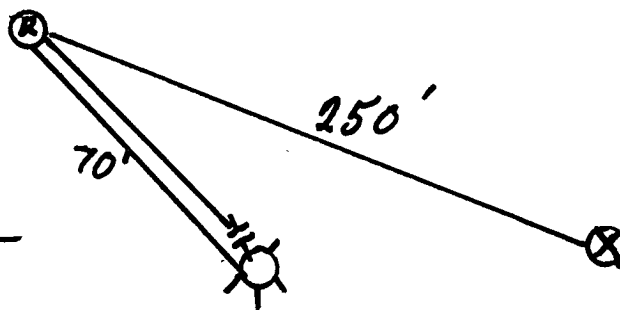
Remarks: Driller said wet @ 170' increasing to 3 gal/mi.
@ 224' Vent Hose Very Small Response To coke on
1 Anode Not much coke around it.
Logging Anode Stopped At 400'

Coke - 234 --
 Wire - 336.66
 Anodes - 264.60
 J Box - 83.00
 Rect - 195.00
 Misc - 50.00
 Ammeter 1263.60
 meter - 426.40
 Snap - 107.70
2960.96

All Construction Completed

Edward R. Parker
(Signature)

GROUND BED LAYOUT SKETCH



899W

MW	gas/mol
16	C ₁ 6.1
30	C ₂ 10.17
44	C ₃ 16.62
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	C ₇ 15.57
142	IC ₇ 17.2
156	C ₈ 17.46
170	C ₉ 19.37
184	C ₁₀ 19.64
198	C ₁₁ 19.67

170	2.0	⑤	50	2.0	Driller said we're @ 170 Increasing to 224' @ 224' VENT HOSE Perforated 230'		
	2.0			1.0			
80	1.8	③	60	2.0			
	1.2			2.0			
90	1.4	②	70	1.0			
	1.2			2.0			
200	1.4	①	80	2.0			
	1.2			1.8			
10	1.2		90	1.0			
	2.0			1.2			
20	2.2		400	BOTTOM			
	2.2						
⑩	30	2.2					
	1.8						
40	1.6						
	1.6						
50	1.4						
	1.0						
60	1.8						
	1.0						
70	1.2						
	1.5						
⑨	80	1.0					
	1.6						
90	1.5						
	1.6						
⑧	300	2.2					
	2.2						
10	1.4						
	1.2						
⑥	20	1.6					
	1.2						
30	1.2						
	1.4						
⑤	40	1.8					
	2.0						

MW	gas/mol
44	CO ₂ 9.18
28	N ₂ 5.17
28	N ₂ 4.16
2	H ₂ 1.38

S WATER COKE

1	380	2.2	2.8
2	370	2.2	3.8
3	360	1.2	4.6
4	350	1.2	4.2
5	340	2.0	4.0
6	320	1.8	2.6
7	305	2.2	4.2
8	295	2.2	4.4
9	280	1.6	2.6
10	230	2.2	5.2

3320 11.8V 16.0A .23-2

300

3620

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 Air
☐ Other ☒ Rev. Rot.

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
blue shale		150	175	
light gray sandy shale		175	224	
blue shale		224	248	
sandy shale		248	266	
gray sand stone		266	274	
blue shale		274	275	
gray sandy shale		275	280	
sandy shale mostly sand		280	310	
blue shale		310	336	
sandy shale		336	367	
blue shale		367	381	
red shale		381	388	
gray sandy shale		388	412	
white sandy bent.		412	425	

injected water at 190'

increase in water approx. 3 gpm

8. WELL CONSTRUCTION

Diameter hole	6 3/4	inches	Total depth	425	feet
Casing record					
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. 3
 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 _____

Address _____

Well driller's license number _____

Signed Billy R Morgan

Date _____

7. WELL TEST DATA

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