

174 - 30-045-20233
241 - 30-045-21221

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. 13 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #174, #241
cps 964w

Elevation 6551' Completion Date 9/11/75 Total Depth 350' Land Type* N/A

Casing, Sizes, Types & Depths 20' OF 8" SURFACE CASING

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. 150'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3200 lbs.

Depths anodes placed: 260', 250', 240', 230', 220', 210', 190', 170', 160',

Depths vent pipes placed: N/A

Vent pipe perforations: 260'

Remarks: GB #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

Lead

Drilling Log (Attach Hereto). ☐

Completion Date 9-11-75

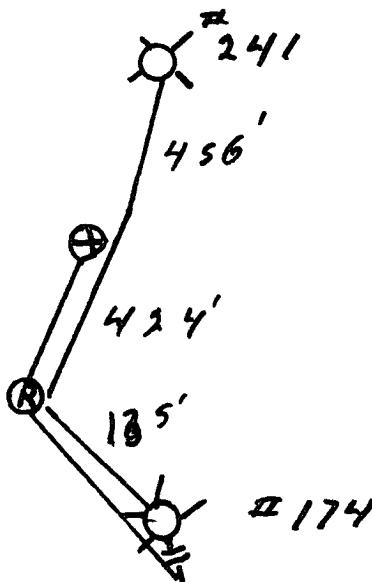
Well Name <u>Huerfano #174</u> <u>Huerfano #241</u>		Location <u>NW 13 - 26N - 10W</u>		CPS No. <u>964W</u>	
Type & Size Bit Used <u>6 3/4"</u>				W. No. <u>54566.19-50-20</u> <u>55603.19-50-20</u>	
Anode Hole Depth <u>350</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>3,200</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 <u>260</u>	# 2 <u>250</u>	# 3 <u>240</u>	# 4 <u>230</u>	# 5 <u>220</u>
	# 6 <u>210</u>	# 7 <u>190</u>	# 8 <u>170</u>	# 9 <u>160</u>	# 10 <u>150</u>
Anode Output (Amps)	# 1 <u>3.0</u>	# 2 <u>4.0</u>	# 3 <u>4.2</u>	# 4 <u>3.8</u>	# 5 <u>3.8</u>
	# 6 <u>3.8</u>	# 7 <u>3.6</u>	# 8 <u>4.2</u>	# 9 <u>4.2</u>	# 10 <u>4.0</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	Volts <u>11.3</u>		Amps <u>12.0</u>	Ohms <u>0.94</u>	No. 8 C.P. Cable Used <u>2380'</u>
					No. 2 C.P. Cable Used

Remarks: Drill with Air. Driller said water at
150'. Set 20' 8" steel surface casing.
VENT Hose Perforated 260'

All Construction Completed

Edward R. Paulik
(Signature)

GROUND BED LAYOUT SKETCH





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

DATE _____

9-11-75

Work Order No. 54567
55524-19-50-20

Thurston April 1740.241

CUSTOMER <i>El Paso Gas Co</i>		SERVICE ADDRESS <i>Box 990 - Farmington</i>		CITY <i>Farmington</i>
PRE. NO. <i>SPS-914010</i>	REQ. NO.	SERVICEMAN <i>Mike Driller #4</i>	VEHICLE NO.	DATE COMPLETED

[illegible]

Date started _____, 19____
Date completed _____, 19____

[illegible]

TOTAL DEPTH	334'
RIG TIME	
WATER TRUCK	

Date _____

Customer's Signature

By

964 W

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 12.2
44	C ₃ 10.42
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

MW	MISC	gas/mol
17	CO ₂	0.38
34	H ₂ O	0.17
28	N ₂	1.16
2	H ₂	3.35

⑩	150	1.6	30	Dry 1/2 Solid Water @ 150'
		1.8	334 BOT	VENT Perforated 260'
⑦	60	1.6		
		1.6		
⑧	70	1.6		
		1.4		
	80	1.2		
		1.2		
⑨	90	1.6		
		1.4		
	200	1.0		
		.6		
⑥	10	1.4		
		1.4		
⑤	20	1.6		
		1.6		
④	30	1.6		
		1.6		
③	40	1.6		
		1.6		
			4	
②	50	1.6	1,260	1.6 3.0
		1.6	2,250	2.0 4.0
		1.6	3,240	1.8 4.2
①	60	1.4	4,230	1.8 3.8
		1.7	5,220	1.8 3.8
	70	.8	6,210	1.8 3.8
		.6	7,190	1.6 3.6
	80	1.0	8,170	1.8 4.2
		1.0	9,160	1.8 4.2
	90	.8	10,150	1.8 4.0
		.8		
	300	.6	11.3	12.0 0.94
		.6		
	10	.6	2080	
		1.2	300	
	20	1.6	2380	
		1.6		