

1274 #12 30-045-06069

E

#87A 30-045-23444

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 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANITO #87A, #12

cps 1554w

Elevation 6217' Completion Date 9/22/80 Total Depth 380' Land Type* N/A

Casing, Sizes, Types & Depths 60' 8" PLASTIC CASING

123' 7" 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. 140'

Depths gas encountered: N/A

Type & amount of coke breeze used: 2900 lbs.

Depths anodes placed: 345', 335', 325', 315', 305', 295', 285', 275', 265', 255'

Depths vent pipes placed: 380'

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

Drilling Log (Attach Hereto) ☐

2" x 60' Duriron

Completion Date 9-22-80

Well Name Huerfano #87A & #12		Location NW1-26-9		CPS No. 1554W	
Type & Size Bit Used 6 1/4 Rock				Work Order No. 57545-21 & 90305-19	
Anode Hole Depth 380 Log 380	Total Drilling Rig Time	Total Lbs. Coke Used 2900	Lost Circulation Mat'l Used		No. Sacks Mud Used
Anode Depth					
# 1 345	# 2 335	# 3 325	# 4 315	# 5 305	# 6 295
# 7 285	# 8 275	# 9 265	# 10 255		
Anode Output (Amps)					
# 1 2.7	# 2 6.0	# 3 3.8	# 4 4.2	# 5 5.1	# 6 4.5
# 7 4.4	# 8 4.5	# 9 4.1	# 10 4.4		
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 11.9	Amps 21.0	Ohms .57			

Remarks: ST 7/8 600' W (87A) = .80 UNION = FLAT NOT LAID (12) = .76 UNION = good
DRILLED 60' & REAMED SET 60' 8" PLASTIC CASING (2 hrs) DRILLED TO 120' HOLE FILLED WITH GRAVEL MOVED CABLE TOOL IN. HOLE HAD CAVED TO 68'. CABLE TOOL DRILLED & SET CASING TO 123'. MOVED RIG BACK ON H.T. WATER APPROX 140'. DRILLED TO 380' LOG 380'. INST 380' VENT PIPE WITH 260' PERF. SLURRIED 29 SACKS OF COKE

STUB POLE ✓
60V 30A RECT ✓
DITCH & CABLE = 336 ✓
EXTRA CABLE = 346 ✓

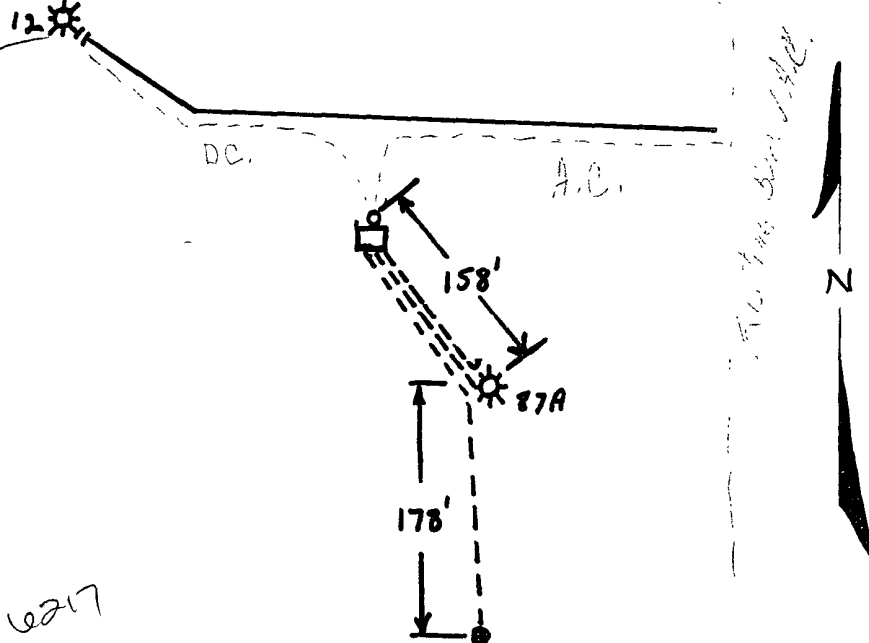
60 FT 8" PLASTIC
(50% each well)
~~5 1/2 hr~~ 5 1/2 hr SETTING CASING
123 FT HARD PIPE
55 FT CABLE TOOL ✓
Hole depth = ~~175~~ 175 ✓
Rotary Rig 325'

time	Reg	O.T.
9-19-80	8	2 ✓
8-22-80	8	2 TATUM ✓

All Construction Completed

Robert J. Babink
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE — Division Corrosion Office
YELLOW — Area Corrosion Office
PINK — Originator File

6217

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 9-19-80
By: RLB
File: 9554W

1554 W Huerfano #87A-57545-21-ST 9/8 W=.80 U=none
Huerfano #12-90305-19-ST 9/8 S=.76 U=good
NW-1-26-9

MW		gals/mol
16.04	C1	6.4
30.07	C2	10.12
44.10	C3	10.42
58.12	iC4	12.38
58.12	nC4	11.93
72.15	iC5	13.85
72.15	nC5	13.71
86.18	iC6	15.50
86.18	C6	15.57
100.21	iC7	17.2
100.21	C7	17.46
114.23	C8	19.39
28.05	C2	9.64
42.08	C3	9.67

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

130	2.2	330	2.4
	1.8		3.3 - 2
40	1.4	40	3.7
	1.5		2.0 - 1
50	1.4	50	1.4
	1.6		1.7
60	1.9	60	1.5
	1.6		1.1
70	1.4	70	.9
	2.0		1.0
80	2.4	80	—
	2.5		
90	2.0		
	1.5		
200	1.5		
	1.0		
10	1.3		
	2.3		
20	1.7		
	.9		
30	.8		
	1.9		
40	1.2		
	2.0		
50	2.3		
	2.8 - 10		
60	2.5		
	2.8 - 4		
70	2.7		
	2.7 - 3		
80	2.6		
	2.7 - 7		
90	2.7		
	2.7 - 6		
300	2.7		
	3.0 - 5		
10	2.5		
	2.6 - 4		
20	2.4		
	2.6 - 3		

DRILLED & REAMED 60 FT SET
60 FT 3" PVC (45 HRS) DRILL
120 GRAVEL FILLED HOLE -
CABLE TOOL MOVED IN BOTTOM
OF HOLE 68 FT DRILLED TO
123 FT SET 123 FT 7"
HARD PIPE. MOVED RIG
BACK DRILLED HIT WATER
APPROX 140 FT DRILLED 380 FT
LOGGED 380. INST 380'
VENT WITH 260 FT PERF.
SLURRIED 29 SACKS COKE

CASING TIME INCLUDES TIME
FOR CABLE TOOL ON FIRST 10
FT OF CASING

- ① 345 - 2.0 - 2.7
- ② 335 - 4.2 - 6.0
- ③ 325 - 2.7 - 3.8
- ④ 315 - 2.8 - 4.2
- ⑤ 305 - 3.3 - 5.1
- ⑥ 295 - 3.1 - 4.5
- ⑦ 285 - 3.1 - 4.4
- ⑧ 275 - 3.2 - 4.5
- ⑨ 265 - 3.1 - 4.1
- ⑩ 255 - 3.4 - 4.4

$$11.9 \cdot 21.0 \text{ F} = .57 \text{ inches}$$

$$\begin{array}{r} 21 \overline{) 11.900} \\ \underline{42} \\ 105 \\ \underline{140} \\ 120 \\ \underline{14} \end{array}$$

