

444

HUDSON #5-A - 30-045-22490

E

SCOTT #9 - 30-045-21818

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. 17 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced : HUDSON #5A, SCOTT #9cps 123lwElevation 5991' Completion Date 11/2/78 Total Depth 460' Land Type* N/ACasing, Sizes, Types & Depths 29'If 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. 310'Depths gas encountered: N/AType & amount of coke breeze used: 45 SACKSDepths anodes placed: 420', 410', 400', 390', 380', 370', 360', 350', 340', 330'Depths vent pipes placed: 440'Vent pipe perforations: 220'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). ☐

Completion Date 11-2-78

Well Name Hudson #5A + Scott #9		Location NW 17-31-10		CPS No. 1231W	
Type & Size Bit Used 6 3/4		CONTRACT # 3		Work Order No. 57224.21 + 55646.01-70	
Anode Hole Depth 460-450⁺	Total Drilling Rig Time	Total Lbs. Coke Used 45 sacks	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 420	# 2 410	# 3 400	# 4 390	# 5 380	# 6 370
# 7 360	# 8 350	# 9 340	# 10 330		
Anode Output (Amps)					
# 1 4.4	# 2 5.1	# 3 5.1	# 4 5.4	# 5 5.3	# 6 5.3
# 7 4.7	# 8 4.2	# 9 4.0	# 10 3.5		
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 11.6	Amps 19.7	Ohms .59			

Remarks: STATIC % 600'W = .79 (5A) 600'NE = .81 (#9)
WATER AT 310' APPROX 5 G.P.M. INSTALLED 440' OF VENT
PIPE PERFORATED 220'. SLURRIED 45 SACKS OF COKE.

Hole depth = -50

cable + ditch = 325

EXTRA CABLE = 130

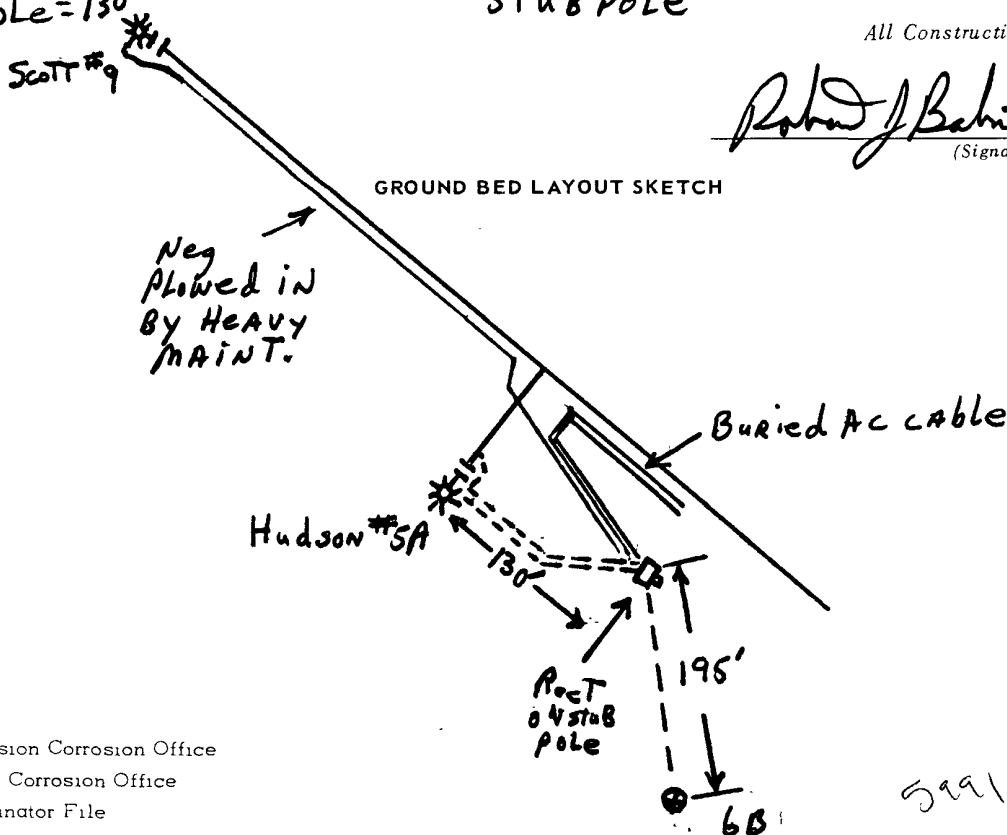
40V 16A Rect
STUB POLE

2" x 60" DURIRON

All Construction Completed

Robert J. Bahrick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

5991

1231 W

SIGNED: Toolpusher Tom O'Brian

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

1231W NW 17-31-10

Hudson #SA
Scott #957224.21
55646.01-70ST 1/8 600' W = .79
ST 1/8 600' NE = .81 (156B)

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

290 1.8
1.6
300 1.1
1.0
310 1.5
2.1
320 2.2
2.1
330 2.1-10
2.1
340 2.2-9
2.1
350 2.1-8
2.2
360 2.4-7
2.2
370 2.4-6
2.3
380 2.2-5
2.3
390 2.2-4
2.2
400 2.4-3
1.9
410 2.0-2
2.3
420 2.2-1
1.9
430 2.0
2.4
440 2.4
2.0
450 2.0 TD
460

230 2.8
2.5
240 2.6
2.6
250 2.6
2.3
260 2.3
2.2
270 2.0
1.9
280 1.9
2.1

WATER AT A+310' APPROX 560
DRILLED 460' LOGGED 450'
INSTALLED 440FT VENT
PIPE PERFORATED 220'
SLURRIED 45 SACKS OF
COKE

45 sacks coke

STUB POLE
400/6A-Rect
Hole depth = -50
Cable & ditch = 325
extra cable = 130

- ① 420-2.3-4.4
- ② 410-2.6-5.1
- ③ 400-2.4-5.1
- ④ 390-2.7-5.4
- ⑤ 380-2.6-5.3
- ⑥ 370-2.5-5.3
- ⑦ 360-2.4-4.7
- ⑧ 350-2.5-4.2
- ⑨ 340-2.6-4.0
- ⑩ 330-2.4-3.5

11.6 v 19.7 A = .59 ohms