

81A-30039-21768

105-30-039-07046

**DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO**

(Submit 3 copies to OCD Aztec Office)

Operator Union Oil Company of California Location: Unit Sec. 17 Twp 27 Rng 6W

Name of Well/Wells or Pipeline Serviced Rincon #81A MV Rincon #105 PC

Elevation 6577' Completion Date 8-21-79 Total Depth 580' Land Type* F

Casing, Sizes, Types & Depths None

If Casing is cemented, show amounts & types used None

If Cement or Bentonite Plugs have been placed, show depths & amounts used

None

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 135' - 210' Wet

385' - 400' deep (water) 15' thick

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 5500 lbs

Depths anodes placed: 438' to 555'

Depths vent pipes placed: 560'

Vent pipe perforations: 200'

Remarks: El Paso Natural Gas Co. was the operator at the time this ground bed was installed.

First ground bed installed at this location.

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.

RECEIVED

MAY 14 1990

OIL CON. DIV.]

DIST. 3

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

CONTRACT 2

Drilling Log (Attach Hereto) ☐

Completion Date 8-21-79

Well Name Rincon u. #81-A + 105		SE 17-27-6		CPS No. 1391W	
Type & Size Pit Used 6 3/4"		2" x 60" DURIROD		Work Order No. 57360.21 + 53459.21	
Anode Hole Depth 580-575+0		Total Depth 5500		No. Sacks Mud Used	
Anode Depth	1	2	3	4	5
	555	547	539	531	523
Anode Output (Amps)	1	2	3	4	5
	2.3	2.9	3.9	3.9	3.1
Anode Depth	6	7	8	9	10
	515	507	499	491	483
Anode Output (Amps)	6	7	8	9	10
	2.9	2.7	3.5	3.4	2.5
Anode Depth	11	12	13	14	15
Anode Output (Amps)	11	12	13	14	15
Total Circuit Resistance	Volts 12.1		Amps 10.0		Ohms 1.2
No. 1 C.P. Cable Used		No. 2 C.P. Cable Used			

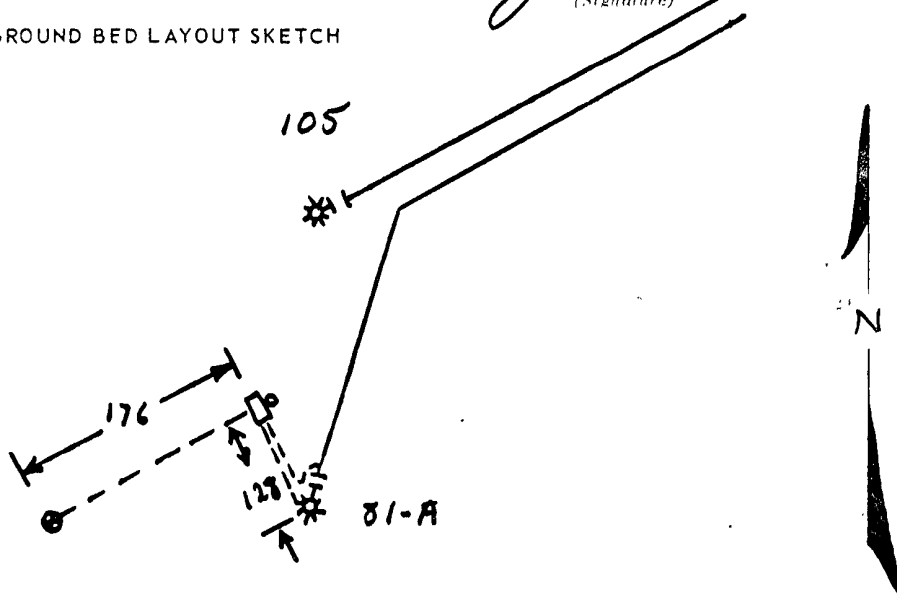
Remarks: ST % #81A = .84W #105 = .76SW WATER AT 400' DRILLED 580 FT
Logged 575 FT CAVING SHALE IN HOLE APPROX 500'
INSTALLED 560 FT OF VENT PIPE 200 FT PERFORATED
SLURRIED 55 SACKS OF COKE

Hole depth = +75
60V 30A Rect
STUB POLE
20 FT METER Loop
Pitch & Cable = 304
EXTRA Cable = 153

All Construction Completed

Robert J. Behrke
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 8 of 79
Date: 8-21-79
By: MB
File: 1391W

1391W SE17-27-6
Rincon W. #81A 57360.21 ST=.84W
" #105 53459.21 ST=.76SW

13 hrs

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

400 .3
10 .3
20 .9
30 1.0 -
40 .7
50 .4
60 .6
70 .5
80 .5
90 1.2 -
500 1.1 -
10 1.3
20 1.4 -
30 1.5 -
40 1.4 -
50 1.0 -
60 1.1
70 1.2

— TO

WATER AT 400' DRILLED
580FT Logged 575FT
INST 560FT VENT PIPE
200FT PERFORATED
CAVING SHALE IN HOLE
55 SACKS OF COKE

Hole depth = 475
60V30A Rect
STUB POLE
20FT Meter Loop
Ditch + Cable = 304
EXTRA CABLE = 153
(includes 25ft hookup wire)

- ① 555 — 1.3 — 2.3
- ② 547 — 1.2 — 2.9
- ③ 539 — 1.8 — 3.9
- ④ 531 — 1.8 — 3.9
- ⑤ 523 — 1.6 — 3.1
- ⑥ 515 — 1.8 — 2.9
- ⑦ 507 — 1.5 — 2.7
- ⑧ 499 — 1.6 — 3.5
- ⑨ 491 — 1.6 — 3.4
- ⑩ 483 — 1.3 — 2.5

$$12.1 \text{ V} / 0.0A = 1.2 \text{ ohms}$$

EL PASO NATURAL GAS COMPANY

~~DRILLING~~ DEPARTMENT

DAILY DRILLING REPORT

CP# 1391 w

Drilling Department
Contract #2

LEASE

WELL NO.

CONTRACTOR

RIG NO. 1

REPORT NO.

DATE May 21

197

MORNING

DAYLIGHT

EVENING

[illegible][illegible][illegible]

REMARKS -

REMARKS -

Carving shale @ 500 ft

Drilled w/ 6 3/4 To 580
Logged To 575
359 pm @ 400 ft.

SIGNED: T. Ochs

Company Supervisor

Edward

Kunt Westmoreland