82A = 30-039-22227
148 = 30-039-20680

CPS 1591

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.** 23 **Twp** 27N **Rng** 6W

Name of Well/Wells or Pipeline Serviced Rincon #82A MV Rincon #148 PC

Elevation 6499' **Completion Date** 7-15-81 **Total Depth** 520' **Land Type*** F

Casing, Sizes, Types & Depths 6' of 8" PVC surface casing

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. 220' Deep Thickness unknown

370' Deep

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 6400 lbs

Depths anodes placed: 270' to 490'

Depths vent pipes placed: 513'

Vent pipe perforations: 320'

RECEIVED
MAY 21 1990
OIL CON. DIV.
DIST. 3

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.

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐ (2" X 60" Durion) Completion Date 7/15/81

Well Name	Location	CPS No.
Rincon Unit #82-A Rincon Unit #148	NW 23-27-6	1591 W
Type & Size Bit Used		**Work Order No.**
6 3/4"		57899-21-50-20 55504-21-50-20

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Matl Used	No. Sacks Mud Used
520' T.D. 513'				

Anode Depth	#1 490'	#2 480'	#3 470'	#4 460'	#5 330'	#6 320'	#7 310'	#8 300'	#9 290'	#10 270'
Anode Output (Amps)	#1 3.5	#2 3.1	#3 3.4	#4 2.9	#5 3.2	#6 3.9	#7 3.2	#8 4.1	#9 3.2	#10 2.9
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 12.1	Amps 16.1	Ohms .75		

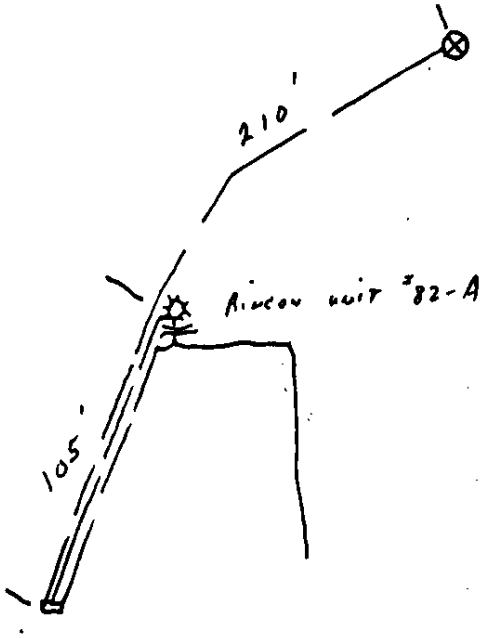
Remarks: STATIC ON Rincon Unit #82 A 600' W = .86 V Rincon Unit #148 HAS A Bond Box. Driller said WATER AT 280'. Approx. 1gAL/Min. Drilled To 200'. WATER STANding in Hole NEXT A.M. AT 190'. Took WATER SAMple. H.I.T more WATER AT 370'. Approx. 10gAL/Min. Drilled To 520', Logged 513'. INSTALLED 513' of 1" PVC. VENT pipe, PerforATED 320'. Hole Bridged AT 440' AfTer 4 Anodes were coked. COKE Breeze wAS HAuled in BULK. EST. 6400LB. COKE Breeze IN Hole INSTALLED 6' of 8" P.V.C. PIPE in Top of Hole Before we Loaded IT.

All Construction Completed

(Signature)

Ditch + 1 CABLE = 315' ✓
EXTRA CABLE = 230' ✓
60V 30A Rec T. ✓
STub Pole ✓
Hole Depth +13' ✓

GROUND BED LAYOUT SKETCH



	Reg.	O.T.
SVR.	8	2

1 ☼ Rincon #148

DISTRIBUTION:
WHITE – Division Corrosion Office
YELLOW – Area Corrosion Office
PINK – Originator File

EL PASO NATURAL GAS COMPANY

Form 7-354 (Rev. 11-77)

Sheet ____ of ____

Date: ____

By: ____

Rincon Unit #82A CPS 1591 W N.O. 57899-21-50-20

Rincon Unit #117 S. 23-27-6 55504-21-50-20

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_2S	5.17
28.01	N_2	4.16
2.02	H_2	3.38

200' .4 .4

10 — 80 — .4 .4

20 — 90 — .5 .7

30 — 400 — .4 .8

40 — 10 — .5 .6

1.2

50 — 1.0 — 20 — .5 .4

1.3

60 — 1.2 — 30 — .4 .6

1.2

70 — 1.3 — ⑩ 40 — 1.3 — ⑥ ⑤

1.1 1.2

80 — .9 50 — 1.3 — ⑤

1.0 1.3

90 — 1.1 — ⑨ 60 — 1.2 — ④

1.2 1.3

300 — 1.6 — ⑧ 70 — 1.3 — ③

1.5 1.3

10 — 1.3 — ⑦ 80 — 1.4 — ②

1.2 1.3

20 — 1.6 — ⑥ 90 — 1.4 — ①

1.4 1.5

30 — 1.3 — ⑤ 500 — 1.4

.9 1.4

40 — .7 10 — 1.3

.5 513' T.D.

50 — .5 20 — Drilled To

.5

60 — .4

.4

Driller said WATER AT 200'. Drilled To 200' WATER STANDing IN Hole NEXT A.M. AT 190' TOOK WATER SAMPLE, Hole MAKEing Approx. 1 GAL./MIN. AT 200'. Approx 10 GAL./MIN AT 370'. Drilled To 520', Logged 513'. INSTALLed 513' of 1" P.V.C. VENT pipe, PERFERATed 320', Hole Bridged AT 440'. AFTER 4 Anodes were coked.

12.1 V. 16.1 A. = .75 Ω

7/15/81

JL

1 — 490' — 1.9 —	① — 490 — 1.9 —	3.2
2 — 480' — 1.9 —	② — 480 — 1.9 —	3.1
3 — 470' — 2.0 —	③ — 470 — 2.0 —	3.4
4 — 460' — 1.7	④ — 460 — 1.7 —	2.9
5 — 450' —	⑤ — 330 — 1.7 —	3.2
6 — 440' —	⑥ — 320 — 2.0 —	3.9
7 — 330' —	⑦ — 310 — 1.6 —	3.2
8 — 320' —	⑧ — 300 — 2.1 —	4.1
9 — 310' —	⑨ — 290 — 1.5 —	3.2
10 — 300' —	⑩ — 270 — 1.7 —	2.9
	⑪ ~~260~~	
	⑫ ~~250~~	

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-10274 Date 7-28-81

Operator El Paso Natural GAs Well Name Rincon Unit #82A ~~CPS-159 FW~~

Location NW 23-27-6 County Rio Arriba State New Mexico

Field Blanco Formation

Sampled From 190' - 200'

Date Sampled 7-15-81 By J. E. Stotts

Tbg. Press. Csg. Surface Csg. Press.

	ppm	epm		ppm	epm
Sodium	499	21.7	Chloride	4.0	0.1
Calcium	2	0.1	Bicarbonate	878.0	14.4
Magnesium	1	0.1	Sulfate	349	7.3
Iron			Carbonate	2.0	0.1
H_2S	Absent		Hydroxide	0	0

Total Solids Dissolved 936

pH 8.4

Sp. Gr. 1.0193 At 60°F

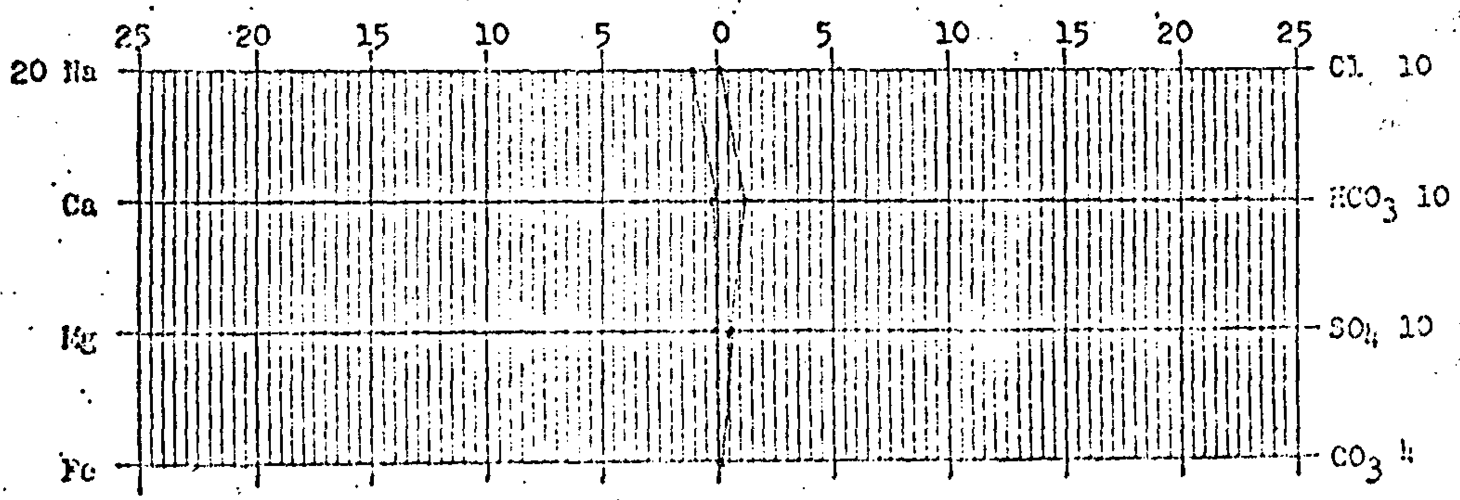
Resistivity 755 ohm-cm at 73°F

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

HCO_3 taken to pH4

[illegible]
Chemist

RZE



Scale : epm

Form 22-2 (Rev. 5-79)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE: Rincon Unit WELL NO.: #82A Rincon #148 CONTRACTOR: Stoy Drilling CPS 1591W RIG NO.: 2 REPORT NO.: DATE: July 15 1981

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. S AL NO. SIZE TYPE MAKE

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
10	45	Sandy
45	150	Sand
150	200	Sandy Shale
2	275	Shale
2..	280	Sand
280	335	Shale (Sandy)

REMARKS–
Water at 200 1 gallon
Water at 370 10 gallon Min

~~TD 513~~

Drilled 520 TD 513

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. SERIAL NO. SIZE TYPE MAKE

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
335	440	Sand
440	520	Sand

REMARKS–

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. SERIAL NO. SIZE TYPE MAKE

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS–

SIGNED: Toolpusher Steve Stoy Company Supervisor ___