

21A= 30-039-22311
104= 30-039-07063

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. 16 Twp 27N Rng 6W

Name of Well/Wells or Pipeline Serviced Rincon #21A MV Rincon #104 PC

Elevation 6646' Completion Date 7-17-81 Total Depth 500' Land Type* S

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. Fresh 170' Deep Thickness unknown

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 6500 lbs

Depths anodes placed: 180' - 480'

Depths vent pipes placed: 500'

Vent pipe perforations: 340'

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 21 1980
OIL CON. DIV.
DIST. 3

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

(2" x 60 Duriron)

Completion Date 7/17/81

Well Name <u>Rincon Unit #21A</u> <u>Rincon Unit #104</u>		Location <u>NW 16-27-6</u>		CPS No. <u>1589 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57901-21-50-20</u> <u>S 3458-19-50-20</u>	
Anode Hole Depth <u>500' T.D. 500'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>480'</u>	# 2 <u>315'</u>	# 3 <u>305'</u>	# 4 <u>295'</u>	# 5 <u>285'</u>	# 6 <u>275'</u>
# 7 <u>215'</u>	# 8 <u>205'</u>	# 9 <u>190'</u>	# 10 <u>180'</u>		
Anode Output (Amps)					
# 1 <u>3.1</u>	# 2 <u>2.9</u>	# 3 <u>2.8</u>	# 4 <u>2.7</u>	# 5 <u>4.4</u>	# 6 <u>4.6</u>
# 7 <u>3.5</u>	# 8 <u>3.2</u>	# 9 <u>3.8</u>	# 10 <u>4.2</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	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts <u>12.1</u>	Amps <u>15.4</u>	Ohms <u>.79</u>			

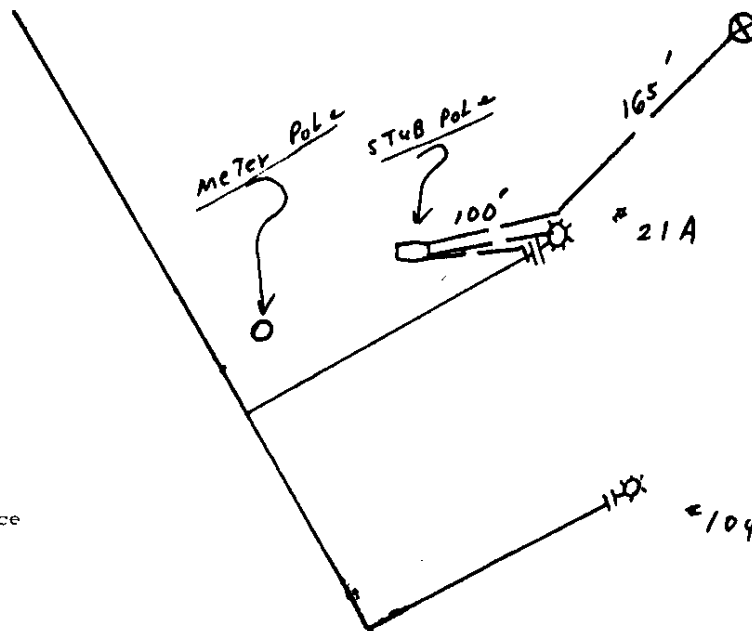
Remarks: STATIC ON Rincon unit #21A 600' W = .82V STATIC ON Rincon unit #104
600' W = .81V (UNIONS checked OK) Driller said WATER AT 170' Approx. 1/2 GAL./MIN.
Drilled To 290'. WATER Standing in Hole NEXT A.M. AT 170'. TOOK WATER SAMPLE
Drilled To 500'. Logged 500'. INSTALLED 500' of 1" D.V.C. VENT Pipe Perforated
240'. COKE Breeze WAS HAULED in BULK. EST. 6500 LB. COKE in Hole.

DITCH & 1 cable = 265'
EXTRA cable = 220'
60V 30A Rect.
Stub Pole
25' meter Pole
Hole Depth ○

All Construction Completed

JE Stubb
(Signature)

GROUND BED LAYOUT SKETCH



Hrs.	Ry.	O.T.
8		2

DISTRIBUTION:

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

Rincon Unit #21A

CPS 1589 W

W.O. 57901-21-50-20

Rincon Unit #104

NW 16-27-6

53458-19-50-20

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 9.84
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	3.36

170-1.8 340-.8

1.6 1.0

80-1.8-⑩ 50-.8

1.6 .7

90-1.4-⑨ 60-.4

1.2 .3

200-1.1 70-.4

1.4-⑧ .4

10-1.5 80-.3

1.6-⑦ .2

20-1.5 90-.2

1.0 .1

30-.6 400-.1

.3 .2

40-.2 10-.3

.1 .4

50-.1 20-.4

.1 .5

60-.2 30-.4

.2 .5

70-.7 40-.6

1.9-⑥ .6

80-2.0 50-.5

1.6-⑤ .4

90-1.4 60-.4

1.2-④ .4

300-1.4 70-.4

1.4-③ .4

10-1.2 80-1.2-①

1.6-② 1.2

20-1.3 90-1.5

.8 1.4

30-.7 500- Drilled To : T.D

.6

Driller said water at 170'
 Approx. 1/2 gal/min. Drilled To 290'
 Water standing in hole next A.M.
 At 170' Took water sample.
 Drilled To 500' Logged 500'
 Installed 500' of 1" PVC.
 Vent Pipe Perforated 340'

12.1 V. 15.4 A. = .79

7/17/81

1-480'-1.6-3.1

2-315'-1.9-2.9

3-305'-1.7-2.8

4-275'-1.3-2.7

5-265'-2.2-4.4

6-275'-2.3-4.6

7-215'-1.9-3.5

8-205'-1.7-3.4

9-190'-2.0-3.8

10-180'-2.4-4.2

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

Analysis No. 1-10276 Date 7-28-81
Operator El Paso Natural Gas Well Name Rincon Unit #21A CPS 1589-W
Location NW 16-27-6 County Rio Arriba State New Mexico
Field Blanco Formation _____

Sampled From 170' Approx. 1/2 gal/min

Date Sampled 7-17-81 By I. E. Stotts

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

Sodium <u>432</u> ppm	<u>18.8</u> epm	Chloride <u>25</u> ppm	<u>.7</u> epm
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Calcium <u>24</u>	<u>1.2</u>	Bicarbonate <u>307</u>	<u>5</u>
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Magnesium <u>3</u>	<u>.3</u>	Sulfate <u>700</u>	<u>14.6</u>
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Iron <u>Absent</u>		Carbonate <u>0</u>	<u>0</u>
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H ₂ S <u>Absent</u>		Hydroxide <u>0</u>	<u>0</u>
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cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

Total Solids Dissolved 1256

pH 8.2

Sp. Gr. 1.0023 At 60°F

Resistivity 541 ohm-cm at 73°F

Debbie Demetelaw PZE
Chemist

