

81-30-039-07045
155-30-039-07024

CPS 686 -2

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

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

Name of Well/Wells or Pipeline Serviced Rincon Unit 81 MV & Rincon Unit 155 DK

Elevation 6549' Completion Date 8/26/1983 Total Depth 580' Land Type* F

Casing, Sizes, Types & Depths 30' of 8" PVC casing

If Casing is cemented, show amounts & types used NA

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

NA

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

Fresh, Clear, Salty, Sulphur, Etc. 140' deep thickness ?

water anaylsis attached

Depths gas encountered: na

Type & amount of coke breeze used: 5800 lbs

Depths anodes placed: 440' - 530'

Depths vent pipes placed: 580'

Vent pipe perforations: 420'

Remarks: El Paso Nautral Gas was operator when this ground bed was installed.

This is second ground bed installed on 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 03 1990
OIL CON. DIV.
DIST. 3

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

Analysis No. 1-10839 Date September 14, 1983
Operator El Paso Natural Gas Well Name Rincon #81 CPS 686W
Location SW 17-27-6 County Rio Arriba State New Mexico
Field Lowry Formation _____
Sampled From 140 feet

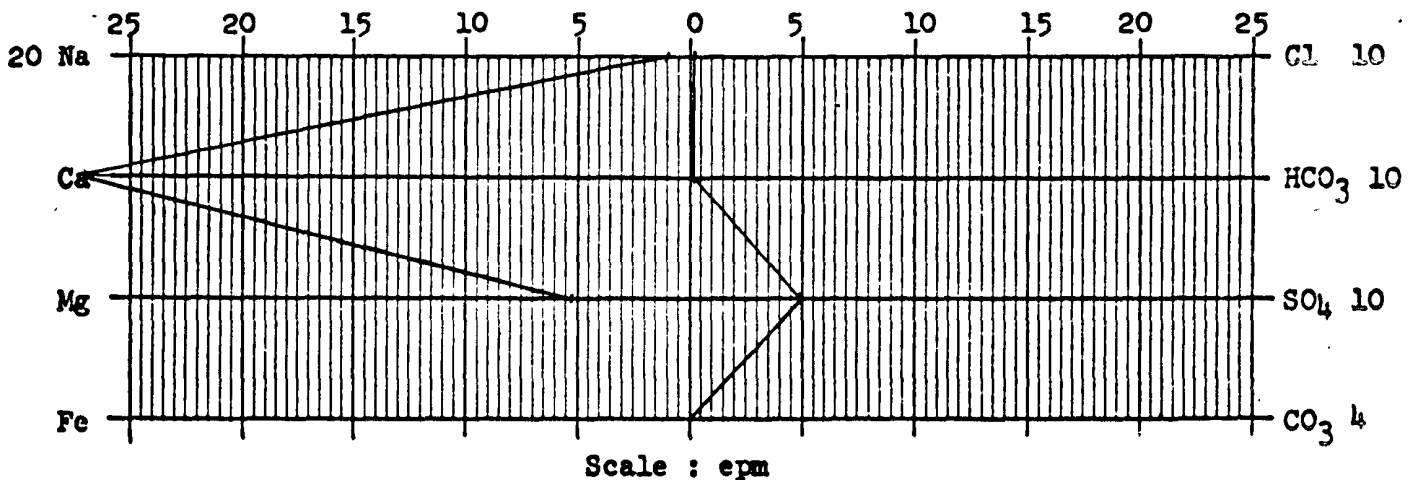
Date Sampled August 26, 1983 By Willis Knight

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>458</u>	<u>19.9</u>	Chloride <u>22</u>
Calcium <u>540</u>	<u>27.0</u>	Bicarbonate <u>98</u>
Magnesium <u>64</u>	<u>5.2</u>	Sulfate <u>2,400</u>
Iron _____	_____	Carbonate <u>0</u>
H ₂ S _____	_____	Hydroxide <u>0</u>

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

Total Solids Dissolved 3,900
pH 8.1
Sp. Gr. 1.0025 At 60°F
Resistivity 206 ohm-cm at 75°F

Dennis P. Bird *GCK*
Chemist



WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date: 4-26-83

CPS #	Well Name, Line or Plant	Work Order #	Static:	Ins. Union Check																																																																						
686-W	RINCON # 81	184-52891-19		☐ Good ☐ Bad																																																																						
	RINCON # 155	184-54231-19																																																																								
Location: SW17-27-6		Anode Size: 2"	Anode Type: DURIRON	Size Bit: 6 3/4																																																																						
Depth Drilled: 580'	Depth Logged: 580'	Drilling Rig Time	Total Lbs. Coke Used: 5800	Lost Circulation Mat'l Used																																																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Anode Depth</td> <td># 1 530</td> <td># 2 520</td> <td># 3 510</td> <td># 4 500</td> <td># 5 490</td> <td># 6 480</td> <td># 7 470</td> <td># 8 460</td> <td># 9 450</td> <td># 10 440</td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td># 1 2.4</td> <td># 2 3.5</td> <td># 3 3.45</td> <td># 4 3.0</td> <td># 5 2.15</td> <td># 6 2.0</td> <td># 7 2.1</td> <td># 8 3.15</td> <td># 9 3.0</td> <td># 10 2.6</td> </tr> <tr> <td colspan="2">Anode Depth</td> <td># 11</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> <td># 17</td> <td># 18</td> <td># 19</td> <td># 20</td> </tr> <tr> <td colspan="2">Anode Output (Amps)</td> <td># 11</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> <td># 17</td> <td># 18</td> <td># 19</td> <td># 20</td> </tr> <tr> <td colspan="2">Total Circuit Resistance</td> <td colspan="4">Volts 12.5</td> <td colspan="4">Amps 11.1</td> <td colspan="4">Ohms 1.1</td> </tr> <tr> <td colspan="4">No. 8 C.P. Cable Used</td> <td colspan="4">No. 2 C.P. Cable Used</td> </tr> </table>					Anode Depth		# 1 530	# 2 520	# 3 510	# 4 500	# 5 490	# 6 480	# 7 470	# 8 460	# 9 450	# 10 440	Anode Output (Amps)		# 1 2.4	# 2 3.5	# 3 3.45	# 4 3.0	# 5 2.15	# 6 2.0	# 7 2.1	# 8 3.15	# 9 3.0	# 10 2.6	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		Volts 12.5				Amps 11.1				Ohms 1.1				No. 8 C.P. Cable Used				No. 2 C.P. Cable Used			
Anode Depth		# 1 530	# 2 520	# 3 510	# 4 500	# 5 490	# 6 480	# 7 470	# 8 460	# 9 450	# 10 440																																																															
Anode Output (Amps)		# 1 2.4	# 2 3.5	# 3 3.45	# 4 3.0	# 5 2.15	# 6 2.0	# 7 2.1	# 8 3.15	# 9 3.0	# 10 2.6																																																															
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		Volts 12.5				Amps 11.1				Ohms 1.1																																																																
No. 8 C.P. Cable Used				No. 2 C.P. Cable Used																																																																						

Remarks: DRILLER said hit water at 140'. GOT WATER SAMPLE. INSTALLED 580' of 1" VENT PIPE. PERFORATED 420' of VENT PIPE. STURRIED 5800 lbs. of COKE BREEZE. SET 30' of 8" PVC CASING 3 hrs.

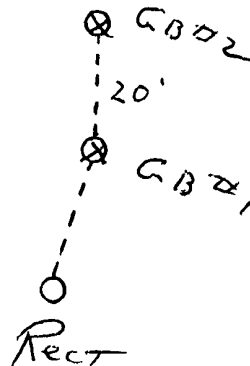
Rectifier Size: — V — A
 Addn'l Depth: 80' ✓
 Depth Credit: —
 Extra Cable: 5' ✓
 Ditch & 1 Cable: 20' ✓
 25' Meter Pole: —
 20' Meter Pole: —
 10' Stub Pole: —

All Construction Completed

Willis Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH

Date	Reg.	O.T.
4-25	4	—
4-26	8	3



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE *CPS 686 W* WELL NO. *R#81755*CONTRACTOR *COFTIS*RIG NO. *IR 1*

REPORT NO.

DATE *8-26*19*83*

MORNING

DAYLIGHT

EVENING

Driller					Total Men In Crew					Driller					Total Men In Crew					Driller					Total Men In Crew				
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.
0	330	SANDSTONE			530	580	SAND																						
330	335	SHALE																											
335	430	SAND																											
430	530	SHALE																											

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
S L NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH		

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

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -			REMARKS -			REMARKS -		
<i>Apr 15 991 per m.v</i>								

SIGNED: Toolpusher

Company Supervisor

Roger Smith

CPS 686-W
Rincon # 81
Rincon # 155
SW 17-27-6

W/O
184-52891-19-50-20-63
180-54231-19-50-20-63

DRILLER SAID 4.5" WATER AT 140' GOT WATER SAMPLE
INSTALLED 580' OF 1" VENT PIPE, PERFORATED 420'
OF VENT PIPE. STUCK 5800 LBS OF COKE
BROKE. SET 30' OF 8" PVC CASING. 3 HRS.

①	530	1.3	2.4
②	520	1.7	3.5
③	510	1.8	3.45
④	500	1.7	3.0
⑤	490	1.2	2.15
⑥	480	1.2	2.0
⑦	470	1.3	2.1
⑧	460	2.0	3.15
⑨	450	2.1	3.0
⑩	440	1.9	2.6

125 V 11.1 A 1.1 2

1	140		30	5		20	11	②
2	45		35	10		25	11	
3	50		40	9		30	10	①
4	55		45	7		35	8	
5	60	.3	50	9		40	7	
6	65	.4	55	10		45	6	
7	70	.4	60	11		50	7	
8	75	.4	65	6		55	8	
9	80	.5	70	5		60	7	
10	85	.6	75	5		65	7	
11	90	.4	80	5		70	6	
12	95	.3	85	6		75	6	
13	200	.3	90	7		80		TD
14	05	.5	95	6				
15	10	.6	400	6				
16	15	.6	05	5				
17	20	.6	10	5				
18	25	.5	15	5				
19	30	.6	20	5				
20	35	.5	25	5				
21	40	.3	30	9				
22	45	.3	35	1.4				
23	50	.4	40	1.5 ⑩				
24	55	.3	45	1.3				
25	60	.2	50	1.4 ④				
26	65	.4	55	1.5				
27	70	.4	60	1.4 ①				
28	75	.6	65	1.0				
29	80	.5	70	1.0 ⑦				
30	85	.5	75	1.0				
31	90	.4	80	1.0 ⑥				
32	95	.4	85	1.0				
33	300	.4	90	1.1 ⑤				
34	05	.4	95	1.5				
35	10	.4	500	1.4 ④				
36	15	.4	05	1.4				
37	20	.4	10	1.4 ③				
38	25	.3	15	1.2				