

135-30-039-06917

28-30-039-06919

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. 29 Twp 27N Rng 6W

Name of Well/Wells or Pipeline Serviced Rincon #135 DK/MV Rincon #28 PC

Elevation 6606' Completion Date 7-20-81 Total Depth 685' 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. 325' Deep Thickness unknown

Depths gas encountered: NA

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

Depths anodes placed: 561' to 633'

Depths vent pipes placed: 680'

Vent pipe perforations: 380'

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

First 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 21 1990

OIL CON. DIV.

DIST. 3

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 7-20-81

Well Name Rincon U. # 135 & # 28		Location NE 29-27-6		CPS No. 1632W	
Type & Size Bit Used 6 3/4 mill tooth (2ea)		Anodes (2"x60" Duriron)		Work Order No. 53882-19 & 52502-19	
Anode Hole Depth 685' Logged 677'	Total Drilling Rig Time	Total Lbs. Coke Used Approx	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 633	# 2 625	# 3 617	# 4 609	# 5 601	# 6 593
# 7 585	# 8 577	# 9 569	# 10 561		
Anode Output (Amps)					
# 1 2.7	# 2 3.6	# 3 2.8	# 4 2.9	# 5 2.3	# 6 2.9
# 7 2.5	# 8 3.2	# 9 3.2	# 10 2.1		
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 12.1	Amps 11.6	Ohms 1.04			
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: ST %s 600' W # 135 = .82750MA + u = OK ST %s 600' SW # 28 = .74810MA + u = OK
Driller said water at 325' drilled to 365' (7-17-81). Blew water to top of hole
7-20-81 A.M. Drilled to 685'. Cuttings show 80' of shale below water.
Caving shale somewhere in hole blew chunks out intermittently from 365' down.
Logged 677' INST 680' vent pipe @ 380' A.F. Hole bridged at 570' before #1 responded
Worked out bridge. All anodes responded well.

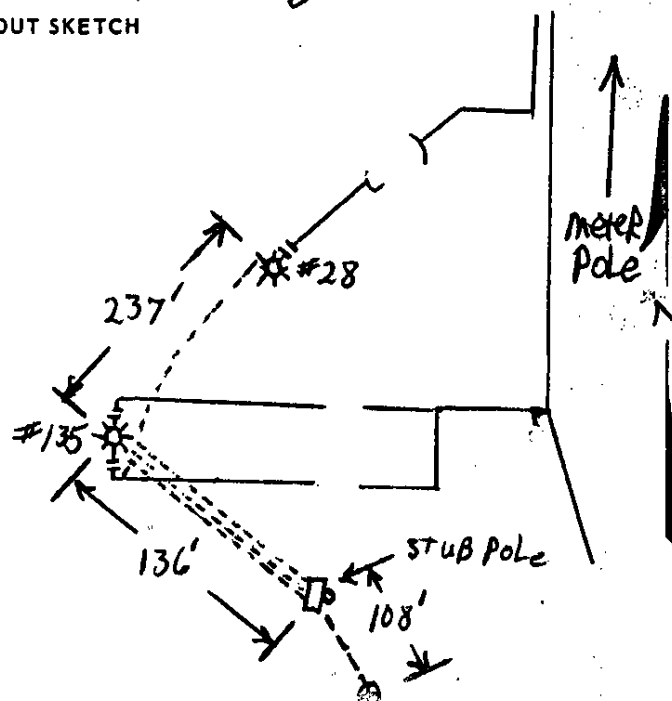
Hole depth = +177' ✓
Extra cable = 297' ✓
Ditch & cable = 481' ✓
Stub pole &
25' meter pole
60V30A

All Construction Completed

Robert J. Balnick
(Signature)

GROUND BED LAYOUT SKETCH

	Res.	O.T.
7-20	8	4



DISTRIBUTION:

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

Date: 7-20-81

By: RJB

7-20-81

1632W

RINCON U. # 135-53882-19 ST 9/5 W = .82750 MAT
 RINCON U. # 28-52502-19 ST 9/5 SW = .74 810 MAT
 NE 24-27-6

60030P TUB 4 25'

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	4.18
2.02	H ₂	3.38

330	.3	510	.4
	.4		.4
40	.6	20	.3
	.9		.4
50	.8	30	.7
	.8		.8
60	.5	40	.6
	.4		.6
70	.7	50	.5
	.3		.6
80	.4	60	.7
	.4		.9
90	.4	70	1.2
	.4		1.1
400	.3	80	1.0
	.3		1.1
10	.3	90	1.2
	.3		1.0
20	.4	600	.93
	.7		1.0
30	.5	10	1.2
	.3		1.0
40	.2	20	1.1
	.2		1.2
50	.2	30	1.2
	.3		.8
60	.5	40	.7
	.3		.6
70	.5	50	.5
	.3		.5
80	.4	60	.4
	.4		.4
90	.4	70	.4
	.4		.4
500	.4	80	
	.4		

Driller said WATER AT 325'
 Drilled 365' Blew water out
 top of hole AFTER weekend
 Drilled to 685' - cuttings
 show 80' OF SHALE below
 WATER - ~~logged~~ CAVING
 SHALE somewhere
 IN hole - Blew out
 INTERMITTENTLY FROM
 365' DOWN. Logged
 677 FT INST 680 FT OF
 Vent Pipe with 380
 FT per F. Hole Bridged
 570' before #1 Responded
 WORKED out Bridge
 ALL ANOKES Responded.

- ① 633 - 1.3 - 2.7
- ② 625 - 1.7 - 3.6
- ③ 617 - 1.2 - 2.8
- ④ 609 - 1.6 - 2.9
- ⑤ 601 - 1.2 - 2.3
- ⑥ 593 - 1.6 - 2.9
- ⑦ 585 - 1.4 - 2.5
- ⑧ 577 - 1.4 - 3.2
- ⑨ 569 - 1.8 - 3.2
- ⑩ 561 - 1.0 - 2.1

$$12.1 \text{ V} @ 11.6 \text{ A} = 1.04 \text{ ohms}$$

133
 625
 2
 617
 109
 8
 601
 8
 577
 8
 569
 561

DAILY DRILLING REPORT

CP 5 1632 u. Rincon #135- # 38

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE 7-20-81 19

MORNING

DAYLIGHT

EVENING

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.													
0	5			CB						350	500			55																	
5	315			55 w/ 54						500	656			54																	
315	340			55						650	680			55																	
340	350			54						680	685			54																	
BIT NO.				NO. DC				SIZE				LENG.				BIT NO.				NO. DC				SIZE				LENG.			
S. IL NO.				STANDS				SINGLES				DOWN ON KELLY				SERIAL NO.				STANDS				SINGLES				DOWN ON KELLY			
TYPE				TOTAL DEPTH				MAKE				TYPE				TOTAL DEPTH				MAKE				TYPE				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 -
with bit 325
770 685
logged 677

REMARKS -

REMARKS -

SIGNED: Toolpusher

Company Supervisor