

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 6WName of Well/Wells or Pipeline Serviced Rincon #81A MV Rincon #105 PCElevation 6577' Completion Date 8-21-79 Total Depth 580' Land Type* FCasing, Sizes, Types & Depths NoneIf 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' Wet385' - 400' deep (water) 15' thickDepths gas encountered: NAType & amount of coke breeze used: type unknown 5500 lbsDepths 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		RINGSON U. #81-A + 105		SE 17-27-6		CPS No.		1391W		
Type & Size Bit Used		6 3/4"		2" X 60" DURIRON		Work Order No.		57360.21 + 53459.21		
Anode Hole Depth		580 - 575 + 0		5500		No. Sacks Mud Used				
Anode Depth	1	2	3	4	5	6	7	8	9	
	555	547	539	531	523	515	507	499	491	
Anode Output (Amps)	1	2	3	4	5	6	7	8	9	
	2.3	2.9	3.9	3.9	3.1	2.9	2.7	3.5	3.4	
Anode Depth	11	12	13	14	15	16	17	18	19	
Anode Output (Amps)	11	12	13	14	15	16	17	18	19	
Total Circuit Resistance	Volts		Amps		Ohms		No. 2 C.P. Cable Used			
	12.1		10.0		1.2					

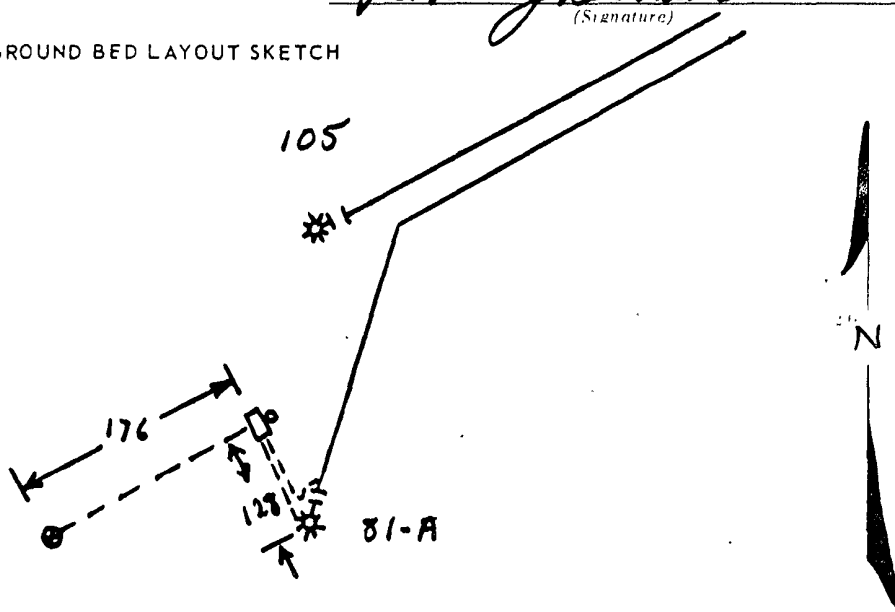
Remarks: ST % #81A = .84W #105 = .76SW WATER AT 400' DRILLED 580 FT
Logged 575 FT CAVING SHALE IN HOLE APPROX 500'
INSTALLED 560 FT OF VENT PIPE 200 FT PERFORATED
SLURRIED 55 SACKS OF COKE

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

All Construction Completed

Robert J. Balnick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet of
Date: 8-21-79
By: 1813
File: 1391W1391W SE17-27-6
Rincon U. #81A 57360.21 ST=1.84W
" #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 .9
50 .9 -
60 .7
70 .5
80 .5
90 1.1
100 1.2 -
110 1.2
120 1.1 -
130 1.3
140 1.4 -
150 1.3
160 1.2 -
170 1.3
180 1.5 -
190 1.4
200 1.4 -
210 1.4
220 1.0 -
230 1.1
240 1.2
250
260
270
280
290
300
310
320
330
340
350
360
370
380
390
400
410
420
430
440
450
460
470
480
490
500
510
520
530
540
550
560
570
580
590
600
610
620
630
640
650
660
670
680
690
700
710
720
730
740
750
760
770
780
790
800
810
820
830
840
850
860
870
880
890
900
910
920
930
940
950
960
970
980
990
1000

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 25 FT 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

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

