

83A- 30-039-21719

121- 30-039-06949

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 6WName of Well/Wells or Pipeline Serviced Rincon #83A MV Rincon #121 PCElevation 6658' Completion Date 8/23/79 Total Depth 560' 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

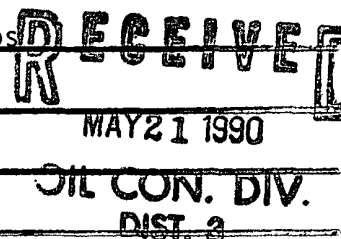
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 362' - 385' Deep 23' Thick

Depths gas encountered: NAType & amount of coke breeze used: Type unknown 5600 lbsDepths anodes placed: 405' to 495'Depths vent pipes placed: 540'Vent pipe perforations: 320'

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.



WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

CONTRACT #2

Drilling Log (Attach Hereto) ☐

Completion Date 8-23-79

Well Name <u>Rincon U. #83A & 121</u>		Log No. <u>SE 23-27-6</u>		CPS No. <u>1392W</u>	
Type & Size Bit Used <u>6 3/4</u>		Casing Size <u>2" x 60" OUTFLOW</u>		Work Order No. <u>57361.21 & 53461.19</u>	
Anode Hole Depth <u>560-545 TD</u>	Total Drilling Time <u>5600</u>	Casing Circulation Unit Used	No. Sacks Mud Used		
Anode Depth					
# 1 <u>495</u>	# 2 <u>485</u>	# 3 <u>475</u>	# 4 <u>465</u>	# 5 <u>455</u>	# 6 <u>445</u>
# 7 <u>435</u>	# 8 <u>425</u>	# 9 <u>415</u>	# 10 <u>405</u>		
Anode Output (Amps)					
# 1 <u>3.2</u>	# 2 <u>3.5</u>	# 3 <u>3.0</u>	# 4 <u>2.5</u>	# 5 <u>2.6</u>	# 6 <u>3.0</u>
# 7 <u>3.2</u>	# 8 <u>2.9</u>	# 9 <u>3.5</u>	# 10 <u>3.3</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	Total Circuit Resistance		Total Circuit Resistance		Total Circuit Resistance
Volts <u>12.1</u>	Amps <u>13.4</u>	Ohms <u>.9</u>	No. 2 C.P. Cable Used		No. 2 C.P. Cable Used

Remarks: 57% #83A S = .81 #121 SW = .76

Drilled to 230' NOWATER OVERNIGHT WATER AT 370' APPROX. 20 P.M. Drilled
560 FT Logged 545 FT. INSTALLED 540' OF VENT P. Re WITH 320' PERFORATED
SLURRED 56 SACKS OF COKE.

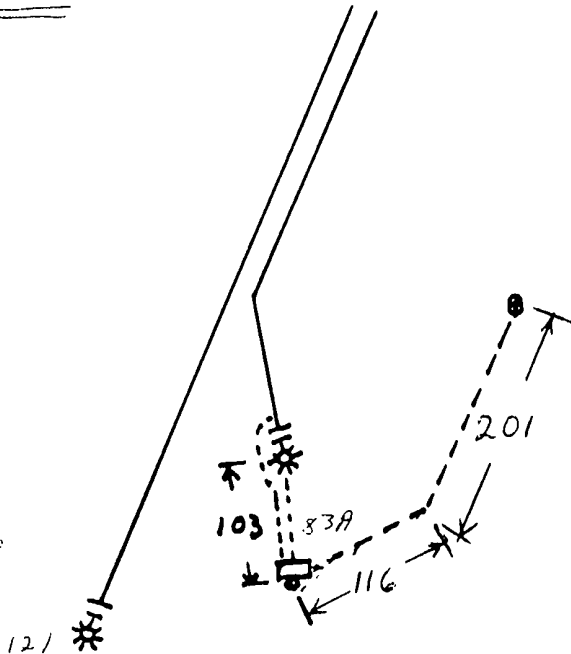
Hole depth = 445
20' meter pole
60030A RECT
Dist. to cable = 420'
EXTRA cable = 128'

All Construction Completed

Robert J. Bahr
(Signature)

Neg to #121 not planned in

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 8-23-79
By: RJB
File:

1392 W SE 23-27-6
RINCON U. # 83A 57361.21 ST % S = .81
RINCON U. # 121 53461.19 ST % SSW = .76

11 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

370 .4
5 .3
80 .5
5 .6
90 .4
5 .3
400 .4
5 1.4 - 10
10 1.8
5 1.5 - 9
20 1.4
5 1.4 - 8
30 1.5
5 1.5 - 7
40 1.4
5 1.3 - 6
50 1.2
5 1.3 - 5
60 1.3
5 1.3 - 4
70 1.4
5 1.4 - 3
80 1.3
5 1.2 - 2
90 1.6
5 1.5 - 1
500 1.1
5 .8
10 .6
5 .5
20 .5
5 .7
30 .6
5 .5
40 .5
5 - TD
50
5
60

WATER AT 370' DRILLED
560' LOGGED 545'
WATER APPROX 20 GPM

540 FT VENT PIPE
320 FT PERF.
SLURRIED 56 BAGS

Hole depth = +45
20' meter pole
60V 30A RECT
Ditch + cable = 420
EXTRA CABLE = 128
(includes 25 FT
Hookup wire)

NEG to 121 NOT
plowed in

1-495 - 1.7 - 3.2
2-485 - 1.8 - 3.5
3-475 - 1.5 - 3.0
4-465 - 1.5 - 2.5
5-455 - 1.4 - 2.6
6-445 - 1.5 - 3.0
7-435 - 1.6 - 3.2
8-425 - 1.4 - 2.9
9-415 - 1.7 - 3.5
10-405 - 1.7 - 3.3

12.1 V 13.4 A = .9 ohms

1392W

Contract # 2

Q Brant

LEASE	WELL NO.	CONTRACTOR	RIG NO.	REPORT NO.	DATE	1979
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.

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SER. NO.		STANDS			SER. NO.		STANDS			SER. NO.		STANDS			SER. 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		
0	15		Sandstone			385	395		Shale								
15	115		Shale			395	405		Sand								
115	145		Sandstone			405	500		Shale								
145	180		Shale			500	560		Sand								

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
180	205	Sandy Shale						
205	225	Shale						
225	270	Shale						
270	355	Shale w/ sand streaks						
355	362	Sand - dry						
362	385	Sand Water						

REMARKS -	REMARKS -	REMARKS -
	Drilled To 560 w/ 6 3/4	
	Logged To 545	
	Estimate 20 gpm. @ 370 ft.	

SIGNED: Toolpusher

Tom OBrant

Company Supervisor