

30-039-21973

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. 27 Twp 27N Rng 6W

Name of Well/Wells or Pipeline Serviced Rincon #99A MV

Elevation 6528' Completion Date 6-12-80 Total Depth 660' 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. 80' Deep thickness unknown 200' Deep

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 71 sacks

Depths anodes placed: 530'

Depths vent pipes placed: 640'

Vent pipe perforations: 520'

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 1990
OIL CON. DIV.
DIST. 3

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 6-12-80

2 X 60 ANODES

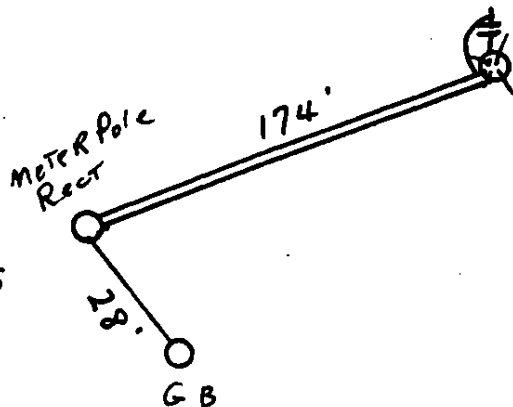
Well Name <u>Rincon Unit #99</u>		Location <u>NW 27-27-6</u>		CPS No. <u>1535 W</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>57538-21</u>	
Anode Hole Depth <u>660'</u> <u>logged 655'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>71 sacks</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 <u>620</u>	# 2 <u>610</u>	# 3 <u>600</u>	# 4 <u>590</u>	# 5 <u>580</u>
	# 6 <u>570</u>	# 7 <u>560</u>	# 8 <u>550</u>	# 9 <u>540</u>	# 10 <u>530</u>
Anode Output (Amps)	# 1 <u>2.0</u>	# 2 <u>2.0</u>	# 3 <u>2.1</u>	# 4 <u>2.9</u>	# 5 <u>2.5</u>
	# 6 <u>2.7</u>	# 7 <u>2.8</u>	# 8 <u>2.5</u>	# 9 <u>3.1</u>	# 10 <u>3.1</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>12.0</u>	Amps <u>11.6</u>	Ohms <u>1.0</u>			

Remarks: STATIC 600' S = .89, INSULATED UNION - OK. DRILLER
Said hit water at 300' waited 15 min. Blew water. Installed
640' of 1" vent pipe, Perforated 520' of vent pipe.
Ran 28' of 8" Plastic casing.

NOTHING INSTALLED

1 20' meter Pole
1 40V 16A Rect
1 Jct. Box
Ditch + 1 cable - 202'
EXTRA cable - 194'
Hole. + 155
Time - 6-10 - 9 hrs.
6-11 - 10 "
6-12 - 10 "

GROUND BED LAYOUT SKETCH



All Construction Completed

Willis Knight Jr
(Signature)

Casing Time for Rig - 2 hrs
28' of 8" Plastic casing

DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

RINCON UNIT # 99A
NW 27- 27- 6
CPS 1535 W
W/O 57538-21

STATIC 600' S = .89
INSULATED UNION OK

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

1 20' meter Pole
1 40V 16A Rect
1 Jct. Box
Ditch + 1 cable - 202'
EXTRA cable - 194'
Hole + 155'
8" Plastic Casing - 28'
2 hrs Rig Time

DRILLER Said h.t WATER
AT 200' waited 15 min
Blew WATER, GOT WATER Sample
INSTALLED 640' of 1" VENT PIPE
PERFORATED 520' of VENT PIPE
SLURRED 71 SOCK of COKE
Breeze

200	.4	375	.4
205	.4	380	.4
210	.5	385	.4
215	.6	390	.3
220	.5	395	.3
225	1.9	400	.5
230	2.0	405	.3
235	1.6	410	.3
240	1.6	415	.3
245	.9	420	.4
250	.9	425	.3
255	.8	430	.4
260	1.0	435	.5
265	1.2	440	.6
270	1.1	445	.4
275	1.0	450	.4
280	.5	455	.4
285	.4	460	.3
290	.5	465	.3
295	.4	470	.3
300	.4	475	.5
305	.4	480	.6
310	.4	485	.7
315	.9	490	.6
320	.9	495	.7
325	.7	500	.8
330	.5	505	.5
335	.4	510	.9
340	.5	515	1.8
345	.9	520	1.6
350	1.2	525	1.8
355	1.2	530	1.4
360	.6	535	1.4
365	.4	540	1.6
370	.4	545	1.5

550	1.4	⑧
555	1.9	
560	1.6	⑦
565	1.8	
570	1.8	⑥
575	1.0	
580	1.4	⑤
585	1.6	
590	1.9	④
595	1.2	
600	1.3	③
605	1.2	
610	1.3	②
615	1.3	
620	1.3	①
625	1.0	
630	.8	
635	.8	
640	1.5	
645	1.7	
650	.8	
655	.8	
660		

120 V 116A 1.0-1

10990d
T.D

① 620	1.4	2.0
② 610	1.3	2.0
③ 600	1.4	2.1
④ 590	1.9	2.9
⑤ 580	1.5	2.5
⑥ 570	1.9	2.7
⑦ 560	1.8	2.8
⑧ 550	1.5	2.5
⑨ 540	1.9	3.1
⑩ 530	2.0	3.1

Rincon Unit

994

Three C Drilling

2

C25 153512 DAILY DRILLING REPORT

LEASE 110 27-27-6 WELL NO.

CONTRACTOR

RIG NO.

REPORT NO. 57538-DATE June 12 1980

MORNING

DAYLIGHT

EVENING

Driller Kevin				Total Men In Crew 2				Driller				Total Men In Crew			
FROM	TO	FORMATION	WT-BIT	R.P.M.	TIME	WT.	VIS.	FROM	TO	FORMATION	WT-BIT	R.P.M.	TIME	WT.	VIS.
0	20	sand stone			200	220		400	470	sand stone					
20	40	sand stone			220	240		470	480	bed onite					
40	60	sand stone bentonite			240	260		480	490	sand bentonite					
60	80	sand (water)			260	280		490	500	sand shale					

BIT NO.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.
SE NO.	STANDS	SINGLES	DOWN ON KELLY	STANDS	SINGLES	DOWN ON KELLY	STANDS	SINGLES	DOWN ON KELLY
SIZE 6 3/4		✓							
TYPE tooth									
MAKE									

MUD RECORD				MUD, ADDITIVES USED AND RECEIVED				MUD RECORD				MUD, ADDITIVES USED AND RECEIVED			
Time	WT.	VIS.		Time	WT.	VIS.		Time	WT.	VIS.		Time	WT.	VIS.	

TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN			
FROM	TO	FORMATION	TIME	FROM	TO	FORMATION	TIME	FROM	TO	FORMATION	TIME
80	100	sand stone bentonite	280	300	sand	480	500	shale			
100	120	sand (water)	300	320	sand	500	600	sand shale			
120	140	sand sand bentonite	320	340	sand	600	660	sand bentonite			
140	160	shale sandstone	340	360	sand						
160	180	sandstone	360	380	sand						
180	200	sand	380	400	sand stone						

REMARKS - Water is at 80' and at 200'

REMARKS -

logstone a minute.

2 hrs setting surface.
casing PVC - 28'

SIGNED: Toolpusher

Kevin Buge

Company Supervisor