CPS 1538

108A = 30-039-21971
110 = 30-039-06950

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.** 19 **Twp** 27N **Rng** 6W

Name of Well/Wells or Pipeline Serviced Rincon 108A MV Rincon #110 PC

Elevation 6509' **Completion Date** 6-11-80 **Total Depth** 540' **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. 290' deep thickness unknown

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 54 sacks

Depths anodes placed: 355' to 500'

Depths vent pipes placed: 525'

Vent pipe perforations: 240'

RECEIVED
MAY 21 1990
OIL CON. DIV.
DIST. 3

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.

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐ Completion Date 6/11/80

Well Name	Location	CPS No.
Rincon Unit #108A Rincon Unit #110	SE 19-27-6	1538 W
Type & Size Bit Used 6 3/4"		**Work Order No.** 57540-21 53466-19

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Matl Used	No. Sacks Mud Used
540 T.D. 525		54 SACKS		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	500'	490'	480'	470'	460'	450'	440'	395'	375'	355'
Anode Output (Amps)	2.1	2.5	3.4	3.3	2.6	2.7	3.2	1.8	2.0	1.9
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 11.7	Amps 12.0	Ohms .98		

Remarks: STATIC ON RINCON UNIT #108A 600'N = .87V INSULATED UNION OK
STATIC ON RINCON UNIT #110 600'N = .85V INSULATED UNION OK
Drilled To 280', Hit Moisture, Next A.M. Hole Had 30' of Fill in it. Cleaned Hole, could NOT Blow water. Drilled To 310', Blew water out of Hole. Driller said water AT 290', Approx. 3GAL./min. WATer SAMPLE would NOT SETTLE out. Drilled To 540', Logged 525'. INSTALLED 525' of 1" P.V.C. VENT Pipe, Perforated 240'.

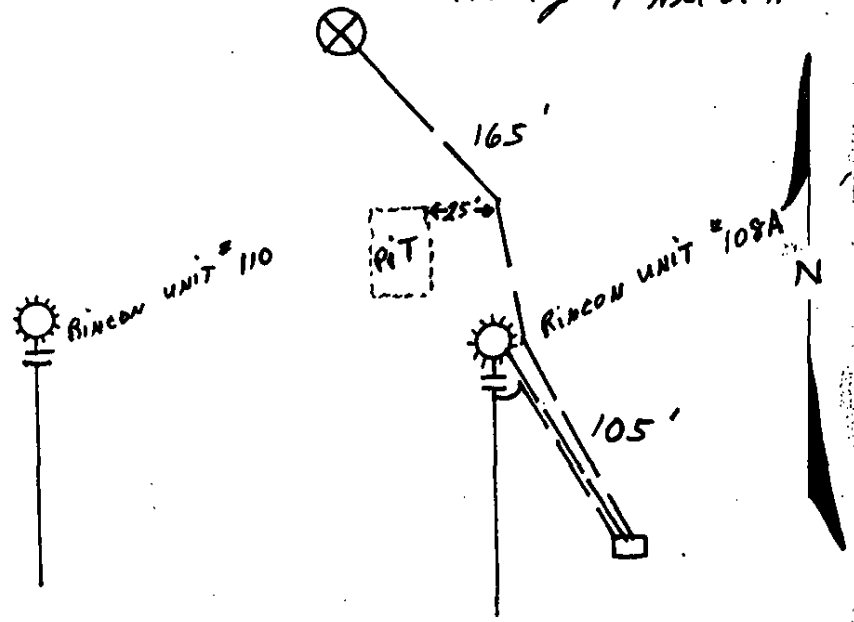
All Construction Completed

J E Slate

57540-21 4 Hr. (Range) 2 Nr. O.T.
53466-19 4 Hr. Rg. 1 Nr. O.T.

Ditch + 1 Cable = 270'
extra cable = 230'
20' Meter Loop Pole
60V 30A Rect.
Hole Depth +25'

GROUND BED LAYOUT SKETCH



~~J-T. Box, Rect., Pole, And Cable, NOT INSTALLED ON THIS LOCATION.~~

Completed 7/3/80 JL

DISTRIBUTION:
WHITE – Division Corrosion Office
YELLOW – Area Corrosion Office
PINK – Originator File

Form 7-1 (Rev. 9-77)

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: ____ of ____
Date:
By:
File:

RINCON UNIT #108A CPS #1538 W W.O. 57540-21
RINCON UNIT #110 SE 19-27-6 53466-19

290 - 1.4
.8
300 - .6
.5
10 - .7
1.0
20 - .6
.6
30 - .5
.6
40 - .7
1.1
50 - .9
1.3 — (10)
60 - .7
.7
70 - 1.0
1.3 — (9)
80 - 1.3
1.1
90 - 1.0
1.2 — (8)
400 - 1.1
1.0
10 - .9
.9
20 - .9
.9
30 - .9
1.5
40 - 2.1 — (7)
2.2
50 - 1.6 — (6)
.9
60 - 1.6 — (5)
1.7
70 - 2.1 — (4)
1.8

480 - 2.2 — (3)
1.8
90 - 1.4 — (2)
1.2
500 - 1.4 — (1)
.8
10 - .8
.8
20 - .8
525 - T.D.
30 -
40 - Drilled To

Drilled To 280', HIT MOISTURE NEXT AM. HOLE HAD 30' of FILL IN IT, CLEANED HOLE, COULD NOT BLOW WATER. Drilled To 310, BLEW WATER OUT of HOLE. DRILLER SAID WATER AT 290'. Approx. 3 gAL/MIN. TOOK WATER SAMPLE. Drilled To 540 Logged 525'. WATER SAMPLE WOULD NOT SETTLE OUT. INSTALLED 525' of 1" P.V.C. VENT PIPE, PERFORATED 240'.

11.7 V. 12.0A. = .98 Ω
6/11/80
JL

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_2S	5.17
28.01	N_2	4.16
2.02	H_2	3.38

1 - 500' - 1.4 - 2.1
2 - 490' - 1.4 - 2.5
3 - 480' - 2.2 - 3.4
4 - 470' - 2.0 - 3.3
5 - 460' - 1.5 - 2.6
6 - 450' - 1.7 - 2.7
7 - 440' - 2.1 - 3.2
8 - 395' - 1.1 - 1.8
9 - 375' - 1.3 - 2.0
10 - 355' - 1.3 - 1.9

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

CPS - 1538 W

LEASE | WELL NO. | CONTRACTOR 3-C Drilling | RIG NO. #1 | REPORT NO. | DATE 6/10 & 11 1980

MORNING

Driller Brian | Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. | NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
SERIAL NO. | STANDS
SIZE 6 3/4 | SINGLES 132 20'
TYPE | DOWN ON KELLY
MAKE | TOTAL DEPTH 540' TO. 525'

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

FROM	TO	TIME BREAKDOWN
0	20	surface clay
20	40	shale
40	80	sandstone & clay
80	100	shale
100	120	sand
140	180	shale & sand

REMARKS –

DAYLIGHT

Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

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

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

FROM	TO	TIME BREAKDOWN
180	220	sand
220	240	sand & shale
240	280	shale
280	300	sand & water 280' 3 gall per min
300	320	sand
320	340	sand & shale

REMARKS – Hit water at 290' drilled night before, let sit till next A.M.
The hole is making appox 3 gallons per minute
Total hole depth 540' T.D. logged to 525'

EVENING

Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

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

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

FROM	TO	TIME BREAKDOWN
340	440	shale & bentonite streamers
440	500	shale
500	540	sand

REMARKS –

SIGNED: Toolpusher Brian Bunge | Company Supervisor