CPS 1393

97A- 30-039- 21720

106- 30-039 07027

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

Name of Well/Wells or Pipeline Serviced Rincon #97A my Rincon #106 PC

Elevation ___ **Completion Date** 8-20-79 **Total Depth** 580' **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. 90' deep 460' deep thickness?

Depths gas encountered: NA

Type & amount of coke breeze used: Type unknown 85 sacks

Depths anodes placed: 260' to 535

Depths vent pipes placed: 560'

Vent pipe perforations: 500'

RECEIVED
MAY21 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 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.

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

CONTRACT #2

L ing Log (Attach Hereto). ☐ Completion Date 8-20-79

Well Name		Location		CPS No.
RINCON #97A + #106		SE 18-27-6		1393W
Type & Size Bit Used				Work Order No.
6 3/4"		2" x 60" DURIRON		57363.21 + 53460.19
Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
580-565TD				

Anode Depth									
# 1 535	# 2 527	# 3 519	# 4 511	# 5 503	# 6 495	# 7 487	# 8 479	# 9 405	# 10 260
Anode Output (Amps)									
# 1 2.3	# 2 2.3	# 3 3.1	# 4 3.9	# 5 3.1	# 6 3.2	# 7 3.0	# 8 2.5	# 9 2.1	# 10 4.4
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 11.6	Amps 13.1	Ohms .88		

Remarks: ST #97A = .96 #106 = .77
WATER AT 100' WATER STANDING AT 85' NEXT AM DRILLED to 580'
Logged 565' INSTALLED 560' OF VENT Pipe 500' PERFORATED

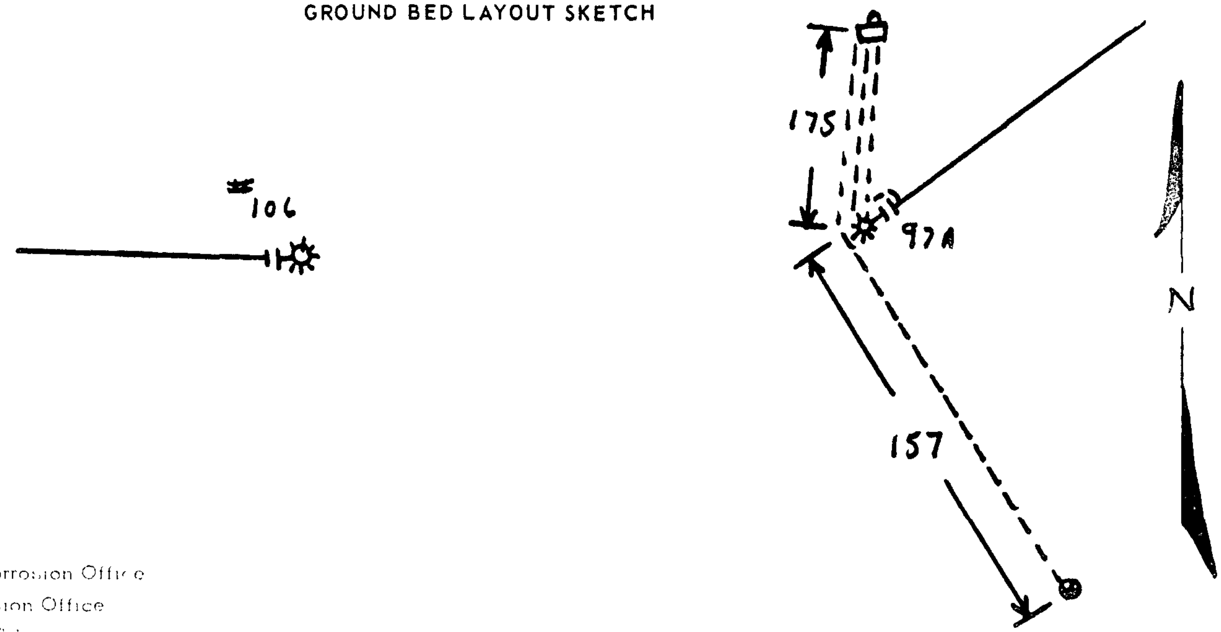
Hole depth = +65
Ditch + cable = ~~337~~ 332
EXTRA cable = ~~350~~ 370

40V16A Rect
20FT METER LOOP

All Construction Completed

Robert J Balnick
(Signature)

GROUND BED LAYOUT SKETCH



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: W E Birch [illegible]
File. ______

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

MISC.

MW		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

Rincon # 97-A ST=.96 — 54363-21
Rincon # 106 ST=.77 [illegible] SE 18-27-6 — 53060-19

[illegible] .96 [illegible] +65 [illegible]
[illegible] .77 [illegible] 390 A.M. [illegible]
[illegible] [illegible] -332 Drilled to 580' Logged 565
[illegible] 560' [illegible]
[illegible] 500' [illegible] Pipe
[illegible] 85 [illegible]

8-19-79 10 Hrs WFL
8-20-79 10 Hrs R[illegible]

.4
.5
.9
1.0
1.1
.9
.9
.8
.4
.1
.1
.1
.1
.2
.2
.2
.3
.2
.1
.2
.2
.2
.3
.8
.7
.8
.7
.7
.7
.6
.7
.6
1.0

	.7
	.5
	1.2-10
	1.0
	.7
	.5
	.4
	.3
	.2
	.1
	.2
	.2
10	.1
	.1
20	.3
	.4
30	.3
	.2
40	.3
	.3
50	.3
	.3
60	.3
	.3
70	.3
	.9
80	.9
	.4
90	.5
	.5
400	1.0
	1.1-9

410	.6
	.5
420	.5
	.4
30	.4
	.5
40	.5
	.4
50	.5
	.6
60	.6
	.7
70	.9
	.8
80	1.2-8
	1.4-7
90	1.4
	1.8-6
500	1.6
	1.6-5
10	1.8-4
	1.9
20	1.5-3
	1.2
30	1.2-2
	1.3-1
40	1.0
	1.0
50	1.0
	1.0
60	TD
70	
80	

1. 535 – 1.6 – 2.3
2. 527 – 1.4 – 2.3
3. 519 – 1.9 – 3.1
4. 511 – 2.6 – 3.9
5. 503 – 1.5 – 3.1
6. 495 – 1.8 – 3.2
7. 487 – 1.6 – 3.0
8. 479 – 1.5 – 2.5
9. 405 – 1.2 – 2.1
10. 260 – 1.2 – 4.4

11.6 V 13.1 A = .88 ohms

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-9709 Date 9-18-79

Operator EPNG Well Name RINCON #97-A #106

Location SE 18-27-6 County RIO ARRIBA State NM

Field _____ Formation _____

Sampled From 1393 W

Date Sampled _____ By _____

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press _____

	ppm	epm		ppm	epm
Sodium	203	9	Chloride	32	.9
Calcium	326	16	Bicarbonate	249	4
Magnesium	90	7	Sulfate	1325	28
Iron	PRESENT		Carbonate	0	0
H_2S	ABSENT		Hydroxide	0	0

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

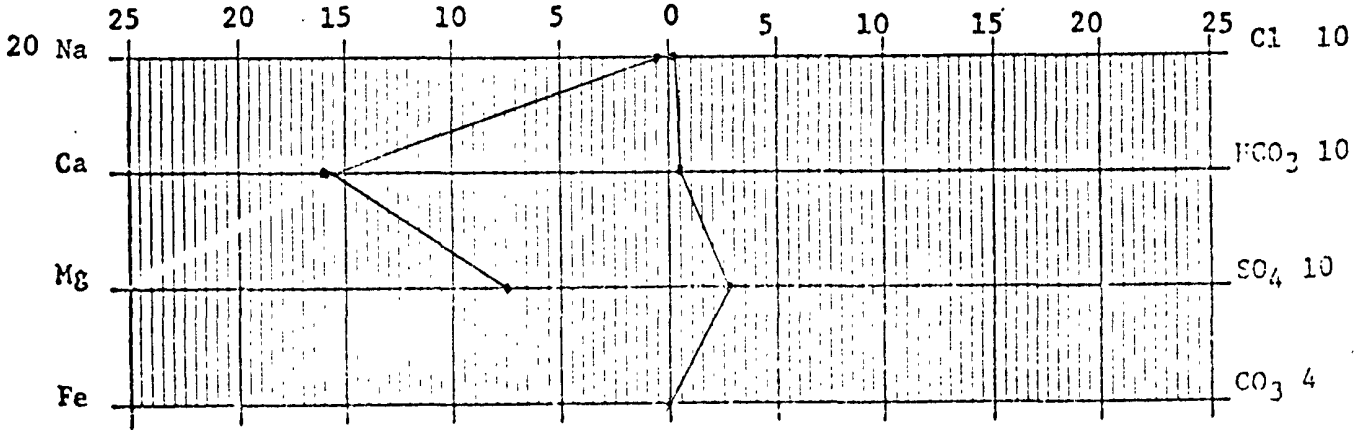
Total Solids Dissolved 2698

pH 7.7

Sp. Gr. 1.0027 at _____ 60°F

Resistivity 286 ohm-cm at 77 °F

Joe Barnett JHS
Chemist



Scale: epm

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE 1393W WELL NO. CONTRACTOR Contract #2 O'Briant RIG NO. 1 REPORT NO. DATE Aug 20 1979

MORNING

Driller Total Men In Crew

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

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

MUD RECORD

From	To	Vis.
0	90	
90	115	
115	240	
240	245	

MUD, ADDITIVES USED AND RECEIVED

0-90 Sand - wet
90-115 Shale
115-240 Sand
240-245 Shale

FROM	TO	TIME BREAKDOWN
245	255	Sand
255	265	Shale
265	395	Sand
395	410	Shale
410	465	Sand water

REMARKS –

DAYLIGHT

Driller Total Men In Crew

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

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

MUD RECORD

From	To	Vis.
465	540	
540	580	

MUD, ADDITIVES USED AND RECEIVED

465-540 Sandy Shale
540-580 Sand

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller Total Men In Crew

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

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

MUD RECORD

From	To	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

Drilled To 580 w/ 6¾
Logged To 565

Water @ 90 + 460 - 2 gpm.

SIGNED: Toolpusher Tom O'Briant Company Supervisor Kurt Westmoreland