

#120 30-039-06988

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. 22 Twp 27N Rng 6WName of Well/Wells or Pipeline Serviced Rincon #29A MV Rincon #120 PCElevation 6468' Completion Date 8/22/79 Total Depth 380' Land Type* FCasing, Sizes, Types & Depths NoneIf Casing is cemented, show amounts & types used NoneIf Cement or Bentonite Plugs have been placed, show depths & amounts used
NoneDepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 35' to 65' deep 30' thick FreshDepths gas encountered: NAType & amount of coke breeze used: type unknown 3400 lbsDepths anodes placed: 115' to 265'Depths vent pipes placed: 360'Vent pipe perforations: 300'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

Drawing Log (Attach Hereto) ☐

Completion Date 8-22-79

Well Name Rincon U. #29A & 120		Location NW 22-27-6		CPS No. 1390W																																																																			
Type & Size Bit Used 6 3/4"		2" x 60" DURIRON		Work Order No. 57365.21 & 53441.19																																																																			
Anode Hole Depth 380-375 TD		Total Drilling Feet 3900		No. Sacks Mud Used																																																																			
<table border="1"> <tr> <td>Anode Depth</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> <tr> <td></td> <td>265</td> <td>255</td> <td>220</td> <td>210</td> <td>200</td> <td>190</td> <td>180</td> <td>170</td> <td>125</td> <td>115</td> </tr> <tr> <td>Anode Output (Amps)</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> <tr> <td></td> <td>3.4</td> <td>3.4</td> <td>2.3</td> <td>3.0</td> <td>3.1</td> <td>3.2</td> <td>3.7</td> <td>3.4</td> <td>3.8</td> <td>5.2</td> </tr> <tr> <td>Anode Depth</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> <tr> <td>Anode Output (Amps)</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> </table>						Anode Depth	1	2	3	4	5	6	7	8	9	10		265	255	220	210	200	190	180	170	125	115	Anode Output (Amps)	1	2	3	4	5	6	7	8	9	10		3.4	3.4	2.3	3.0	3.1	3.2	3.7	3.4	3.8	5.2	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
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Anode Output (Amps)	11	12	13	14	15	16	17	18	19	20																																																													
Total Circuit Resistance Volts 11.3		Amps 14.7		Dms. .77																																																																			
No. 1 C.P. Cable Used		No. 2 C.P. Cable Used																																																																					

Remarks: ST 1/3 #29A NW = .89 #120 SW = .74

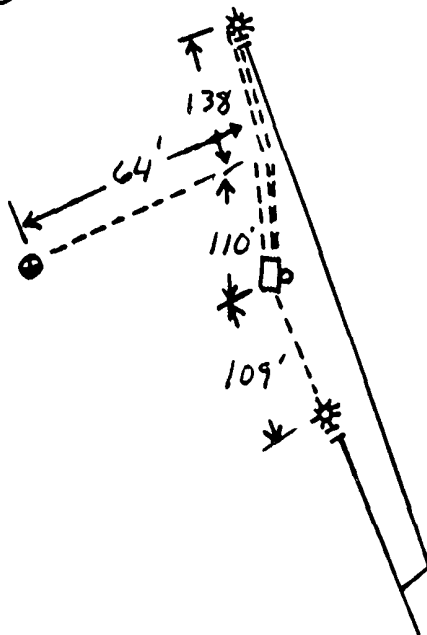
WATER AT 60' DRILLED TO 120' WATER STANDING IN HOLE
NEXT AM (APPROX 30 FT OFF WATER) SECOND WATER ZONE
AT 300' DRILLED 380' LOGGED 375' INSTALLED 360 FT
OF VENT PIPE 300 FT PERFORATED SLURRIED 39
SACKS OF COKE

Hole depth = -125
COU 30A Rect
STUB POLE
DITCH + cable = 421
EXTRA cable = 383

All Construction Completed

Robert J. Balmick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

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

Analysis No. 1-9751 Date 10-24-79

Operator EPNG Well Name Rincon # 29 A

Location NW 22-27-6 County Rio Arriba State N.M.

Field _____ Formation _____

Sampled From 1390 W

Date Sampled _____ By _____

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press. _____
ppm epm ppm epm

Sodium 346 15 Chloride 20 .6

Calcium 8 .4 Bicarbonate 307 5

Magnesium 3 .2 Sulfate 485 10

Iron Present _____ Carbonate 0 0

H₂S Absent _____ Hydroxide 0 0

cc: D.C.Adams Total Solids Dissolved 1072

R.A.Ullrich pH 8.0

E.R.Paulek Sp. Gr. 1.0015 at 60°F

J.W.McCarthy Resistivity 635 ohm-cm at 77 °F

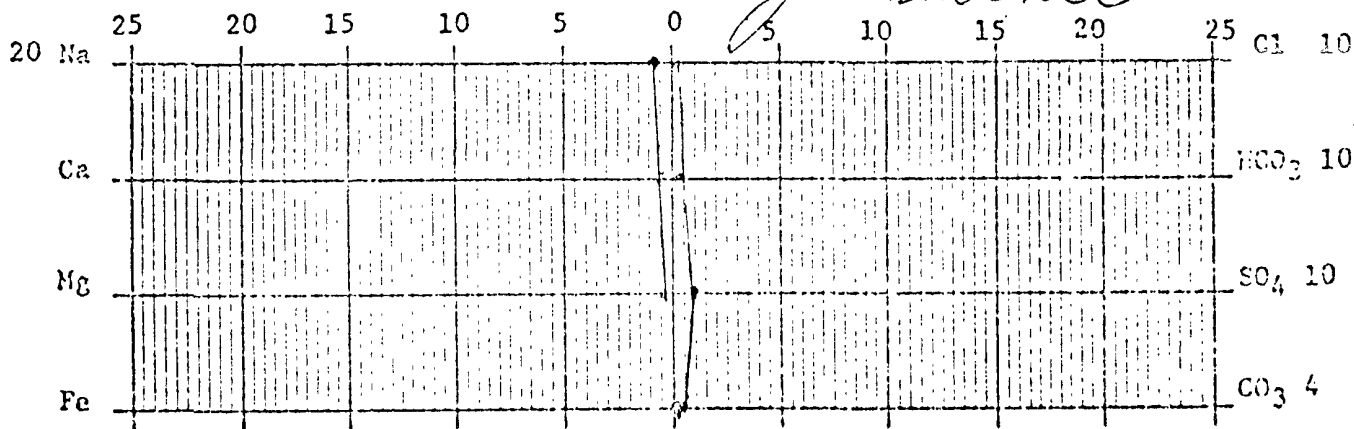
A.M.Smith

W.B.Shropshire

File

C. B. O'Nan

60 Ft.



Scale: epm

OPR 1390 W

B/S 200

GATHERING SYSTEM

Dwg No.

Line Corrosion Line To Rincon #29A & Rincon #180

WC No

RW No

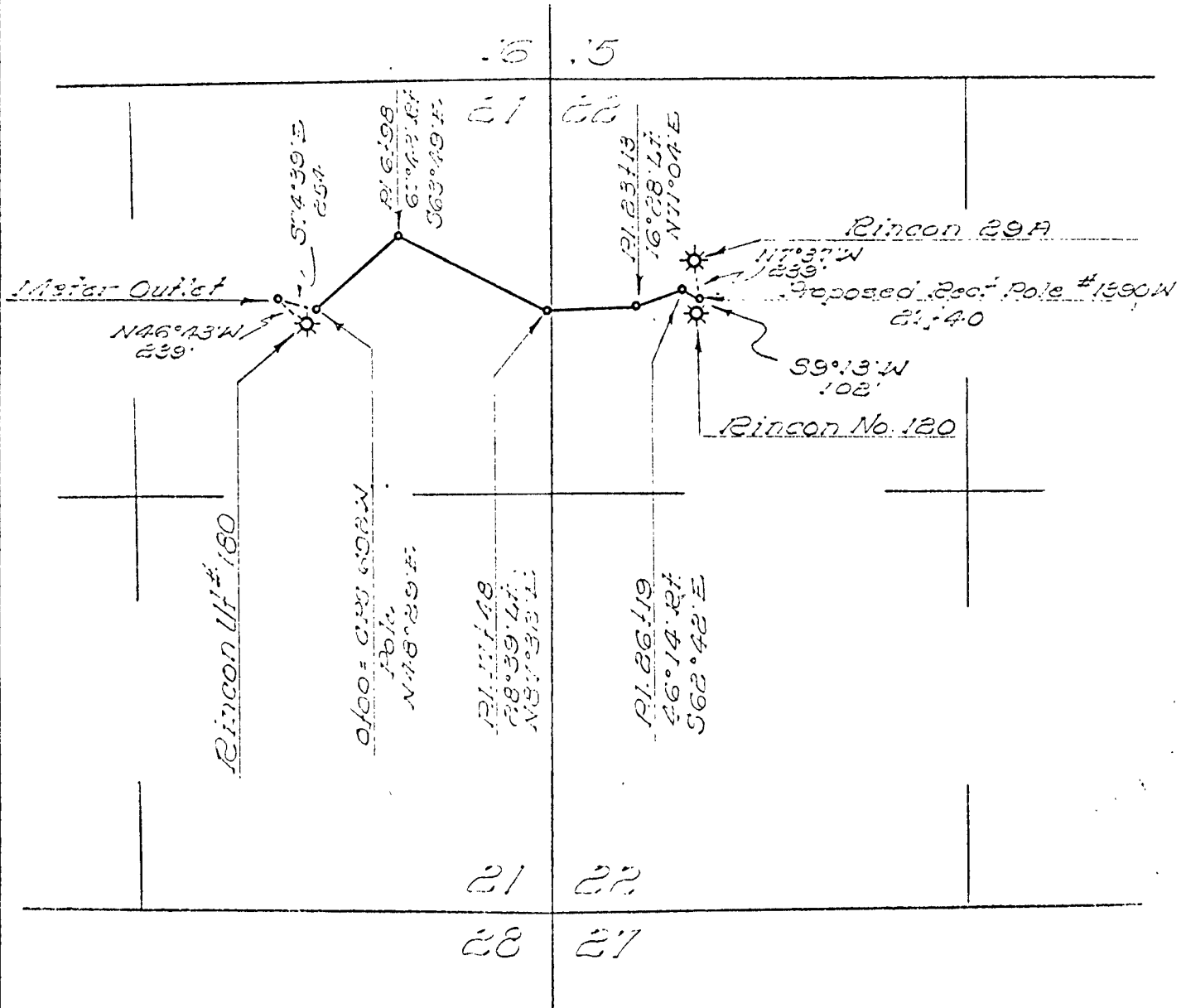
Date 6-6-78

Scale

Surveyed 5-8-79

County, El Paso State, Texas

Section 16, 21 Township 21, N Range 6, N



Dwn By _____ Constr. Commenced _____ Appl. Dwg. _____ Slack Chain _____
 Ckd. By _____ Constr. Completed _____ Date _____ Pipe Size _____

PRINT RECORD

PIPE DATA

METER STA. NO.

Note: Enter Drill-Case
 at E.S. of 100

Cust. No.	Subdivision	Owner	Lessee	Notes

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 8-22-79
By: RAB
File:

1390-W NW 22-27-6
Rincon U. #29A 57365.21 ST% = .89 NE
Rincon U. #120 53441.19 ST% = .74 SW

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	3.36

5	2.5	1.0-
10	3.0	.7
15	3.5	.6
20	4.0	.6
25	4.5	.6
30	5.0	.8
35	5.5	1.3-2
40	6.0	1.8
45	6.5	1.9-1
50	7.0	.9
55	7.5	.7
60	8.0	.5
65	8.5	.6
70	9.0	.8
75	9.5	.5
80	3.00	.4
85	5	.3
90	10	.3
95	15	.4
100	20	.4
5	25	.4
10	30	.5
15	35	.7
20	40	.4
25	45	.4
30	50	.4
35	55	.4
40	60	.4
45	65	.8
50	70	
55	75	
60	80	
65		
70		
75		
80		
85		
90		
95		
2.00		
5		
10		
15		
20		

WATER AT 60' DRILLED TO 120
WATER STANDING IN HOLE NEXT AM
DRILLED 380' LOGGED 375'
INSTALLED 360 FT VENT
PIPE 300 FT PERFORATED
SLURRIED 39 SACKS OF
COKE

HOLE DEPTH = -125
600 30A Rect
STUB POLE
DITCH + CABLE = 421
EXTRA CABLE = 383
(includes 25' Hookup wire)

- ① 265 - 2.1 - 3.4
- ② 255 - 2.0 - 3.4
- ③ 220 - 1.2 - 2.3
- ④ 210 - 1.4 - 3.0
- ⑤ 200 - 1.5 - 3.1
- ⑥ 190 - 1.6 - 3.2
- ⑦ 180 - 2.1 - 3.7
- ⑧ 170 - 2.0 - 3.4
- ⑨ 125 - 1.6 - 3.8
- ⑩ 115 - 2.7 - 5.2

$$11.3 \vee 14.7A = .770 \text{ hms}$$

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE

19

MORNING

DAYLIGHT

EVENING

Driller					Driller					Driller				
Total Men In Crew					Total Men In Crew					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.

BIT		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SER. NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
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		
Time	From	To	Time	From	To	Time	From	To	Time	From	To	Time	From	To	Time	From	To
0	25		170	190		0	25		170	190		0	25		170	190	
25	35		190	195		25	35		190	195		25	35		190	195	
35	65		195	235		35	65		195	235		35	65		195	235	
65	85		235	240		65	85		235	240		65	85		235	240	

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
85	90	Sandstone	240	255	Sandstone			
90	95	Shale	255	270	Shale			
95	100	Sandy Shale	270	275	Sandy Shale			
100	140	Sandstone	275	280	Sandy Shale			
140	150	Sandy Shale	280	330	Sandstone			
150	170	Sandstone	330	380	Sandy Shale			

REMARKS -

REMARKS -

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Drilled 380 w/6 3/4
 Logged 375
 Water @ 60 ft
 Estimate 15 gpm.

SIGNED: Toolpusher

Lem O'Brian

Company Supervisor