

#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 Twp27N 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 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. 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

Drilling 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 Drift 3900		No. Sacks Mud Used						
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
Total Circuit Resistance	Volts		Amps		Ohms		No. 4 C.P. Cable Used		No. 2 C.P. Cable Used	
	11.3		14.7		.77					

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

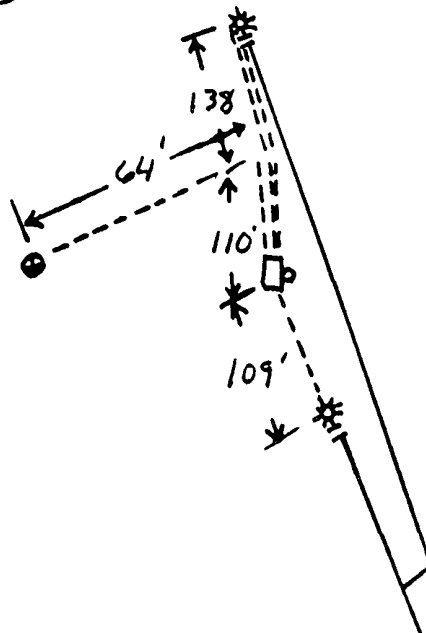
WATER AT 60' DRILLED TO 120' WATER STANDING IN HOLE
NEXT AM (APPROX 30 FT OFF WATER) SECOND WATER ZONE
AT 300' DRILLED 380' LOGGED 375' INSTALLED 360 FT
OF VENT PIPE 300 FT PERFORATED SLURRIED 39
SACKS OF COKE

Hole depth = -125
COU 30A Rect
6 TUB 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 <u>346</u>	Chloride <u>20</u>	
<u>15</u>	<u>.6</u>	

Calcium <u>8</u>	Bicarbonate <u>307</u>	
<u>.4</u>	<u>5</u>	

Magnesium <u>3</u>	Sulfate <u>485</u>	
<u>.2</u>	<u>10</u>	

Iron Present _____	Carbonate <u>0</u>	
	<u>0</u>	

H ₂ S Absent _____	Hydroxide <u>0</u>	
	<u>0</u>	

cc: D.C.Adams

R.A.Ullrich

E.R.Paulek

J.W.McCarthy

A.M.Smith

W.B.Shropshire

File

C. B. O'Nan

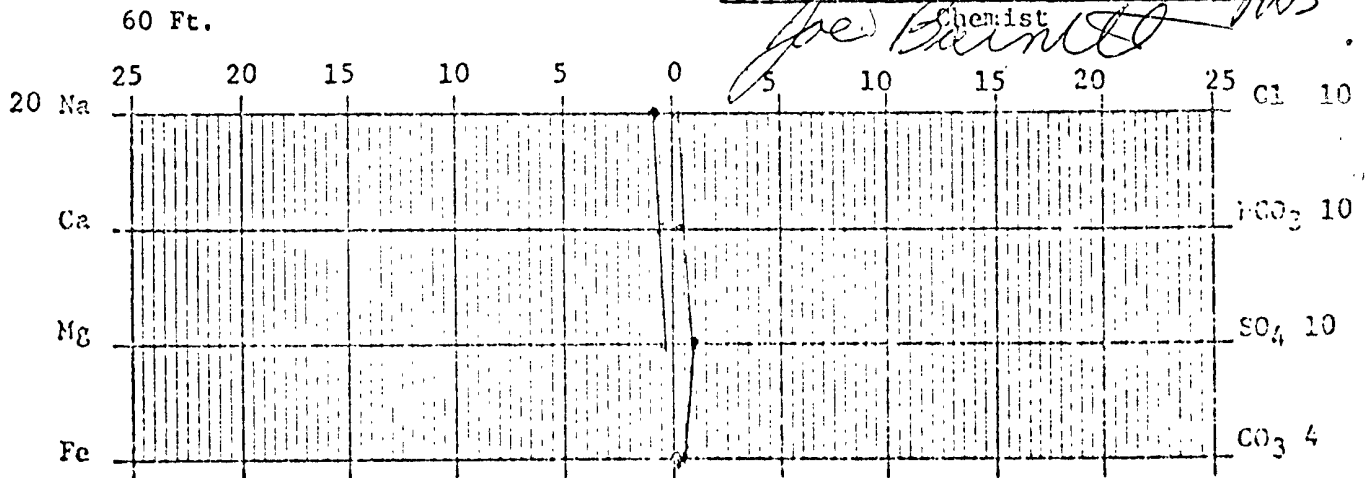
Total Solids Dissolved 1072

pH 8.0

Sp. Gr. 1.0015 at 60°F

Resistivity 635 ohm-cm at 77 °F

Joe. E. ...
Chemist *MS*



Scale: epm

OPR 1390 W

Blanco

GATHERING SYSTEM

Dwg No.

Line Corrosion Line To Rincon #29A & Rincon #120

WC No

RW No.

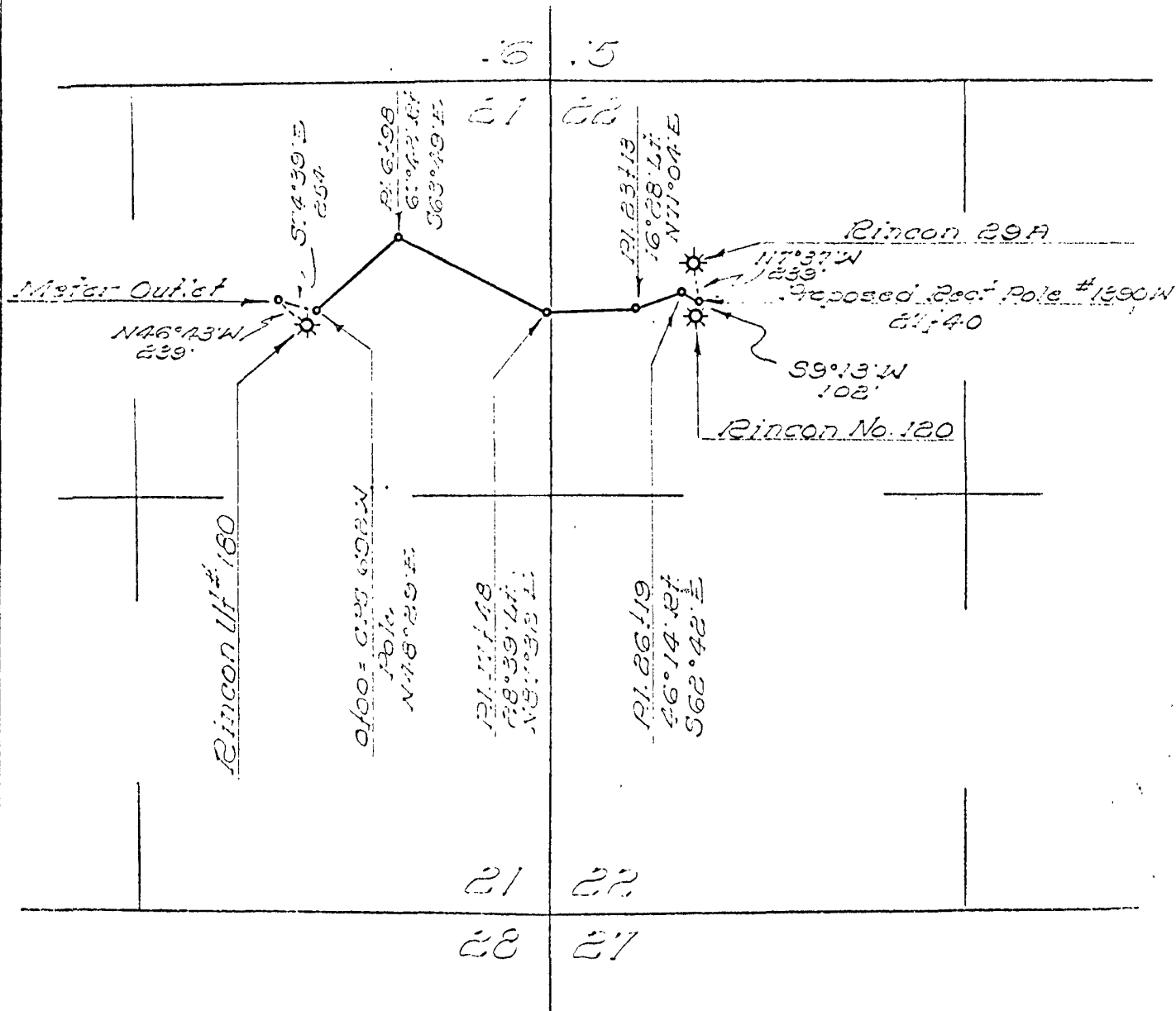
Date 6-6-78

Scale

Surveyed 5-6-78

County El Paso State N.Mex.

Section 21 22 Township 27 N Range 6 W



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-Used
 at E.S. 2100

SUBDIVISION

OWNER

ENGINEER

DATE

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	3.38

5	2.0	25	1.0-
10		30	.7
15		35	.6
20		40	.6
25		45	.6
30		50	.8
35		55	1.3-2
40		60	1.8
45		65	1.9-1
50		70	.9
55		75	.7
60		80	.5
65		85	.6
70	2.0	90	.8
75	2.1	95	.5
80	1.7	300	.4
85	1.7	5	.3
90	1.4	10	.3
95	1.4	15	.4
100		20	.4
5		25	.4
10	1.8	30	.5
15	2.1-10	35	.7
20	1.9	40	.4
25	1.5-9	45	.4
30	.8	50	.4
35	.6	55	.4
40	.6	60	.4
45	.4	65	.8
50	.5	70	
55	.5	75	
60	.5	80	
65	.5		
70	1.4-8		
75	1.9-		
80	2.1-7		
85	1.9-		
90	1.6-6		
95	1.5-		
200	1.4-5		
5	1.4-		
10	1.4-4		
15	1.3-		
20	1.2-3		

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

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

1390W

Contract # 2

LEASE

WELL NO.

CONTRACTOR O'Brian

RIG NO. 1

REPORT NO.

DATE Aug 22 1979

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		
0	25		Sandstone			170	190		Shale								
25	35		Shale			190	195		Sandy shale								
35	65		Sand - damp-water			195	235		Sandstone								
65	85		Sandy shale			235	240		Sandy shale								

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			
1	140	Sandstone	275	290	Sandy shale			
140	150	Sandy shale	290	330	Sandstone			
150	170	Sandstone	330	380	Sandy shale			

REMARKS -

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REMARKS -
Drilled 380 w/634
Logged 375
Water @ 60 ft
Estimate 15 gpm.

SIGNED: Toolpusher Sam O'Brian

Company Supervisor