

E

1387

29A-30-039-2229

61E-30-039-23837

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 18 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #29A, #61E
cps 160lw

Elevation 6734' Completion Date 7/13/81 Total Depth 360' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 120' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4500 lbs.

Depths anodes placed: 320', 310', 300', 290', 280', 270', 225', 215', 205', 175'

Depths vent pipes placed: 355'

Vent pipe perforations: 240'

Remarks: gb #1

RECEIVED
MAY 31 1991

OIL CON

DIS?

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

W/E (2" x 60" Duration)

Completion Date 7/13/81

Well Name S.J. 28-5 unit # 29 A		Location NW 18-28-5		CPS No. 1601 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57920-21-50-20	
Anode Hole Depth 360' T.D. 355'	Total Drilling Rig Time	Total Lbs. Coke Used 4,500#	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 320'	# 2 310'	# 3 300'	# 4 290'	# 5 280'	# 6 270'
# 7 225'	# 8 215'	# 9 205'	# 10 175'		
Anode Output (Amps)					
# 1 2.9	# 2 3.5	# 3 4.3	# 4 5.1	# 5 5.3	# 6 4.7
# 7 3.9	# 8 4.6	# 9 3.5	# 10 4.8		
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 12.8	Amps 19.0	Ohms .67			

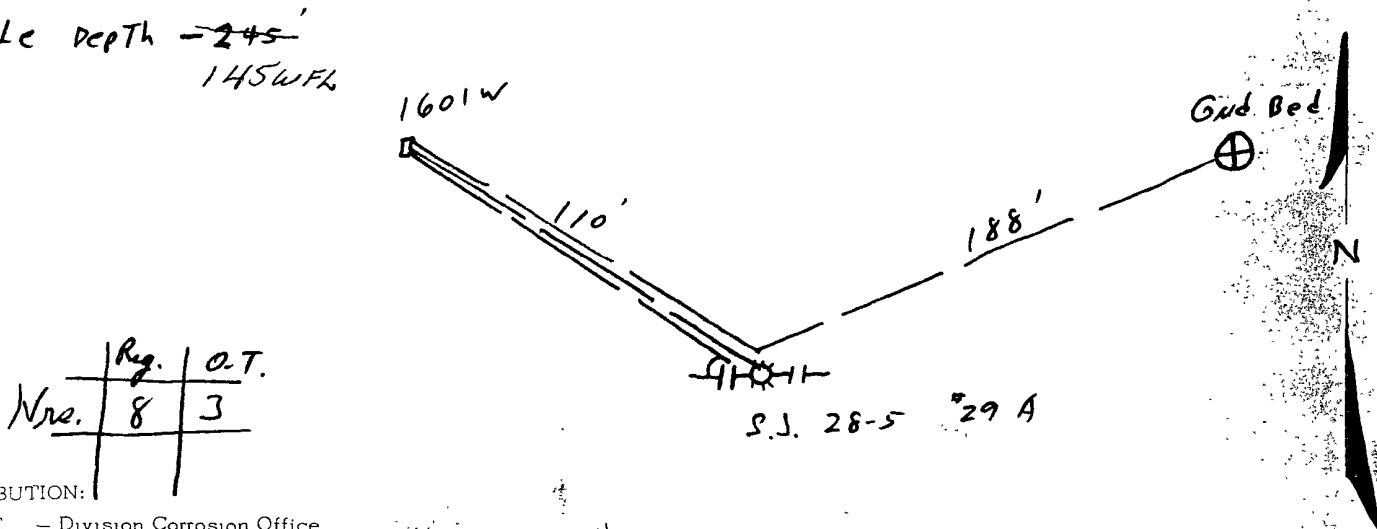
Remarks: STATIC GROUND E = .84 V Driller said water at 120'. Drilled To 200'. WATER STANDING IN HOLE TWO DAYS LATER AT 120' HOLE MAKING APPROX. 1/2 GAL/MIN. Drilled To 360', Logged 355'. INSTALLED 355' of 1" P.V.C. VENT PIPE. Perforated 240'. (Unions checked OK) COKE BREEZE WAS HAULED IN BULK, EST. 4500 LB. IN HOLE

Ditch + 1 cable = 298'
EXTRA cable = 240'
40V 16A Rect.
Stub Pole
Hole Depth - 245'
145WFL

All Construction Completed

JE Smith
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6734

CPS - 1601 W

S.J. 28-5 UNIT 29A

NW 18-28-5

W.O. 57920-21-50-20

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

120-.9 290-1.9 - ④

Driller said WATER AT 120'

.5 1.8

Drilled 200' Two days LATER

30-.5 300-1.6 - ③

WATER WAS STANDING AT 180'

.5 1.4

Took WATER SAMPLE, Drilled To

40-.6 10-1.5 - ②

360' Logged 355'

.5 1.2

Hole MAKING APPROX 1/2 gal/min

50-.8 20-1.4 - ①

INSTALLED 355' of 1" P.V.C.

.5 1.0

Vent Pipe Perforated 240'

60-1.0 20-1.3

1.4 1.4

70-1.6 40-1.2

1.8 - ⑩ 1.3

12.8 V. 19.0 A. = .67 Ω

80-1.6 50-1.5

7/13/81

1.3 355-T.D.

90-1.5 60-1.4

1.4 Drilled To

200-1.1

1.4 - ⑨

10-1.9

1.8 - ⑧

20-1.5

1.5 - ⑦

30-1.4

1-320'-1.9-2.9

1.1

2-310'-2.3-3.5

40-.9

3-300'-2.7-4.3

.7

4-290'-3.1-5.1

50-.6

5-280'-3.3-5.3

1.2

6-270'-3.1-4.7

60-1.3--

7-225'-2.5-3.9

1.7

8-215'-3.1-4.6

70-1.9-⑥

9-205'-2.2-3.5

1.9

10-175'-3.2-4.8

80-1.9-⑤

1.9

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

Analysis No. 1-10272 Date 7-28-81
 Operator El Paso Natural Gas Well Name S.J. 28-5 Unit #29A CPS #601-W
 Location NW 18-28-5 County Rio Arriba State New Mexico
 Field Blanco Formation _____

Sampled From 120' Hole making approx. 1/2 gal./min.

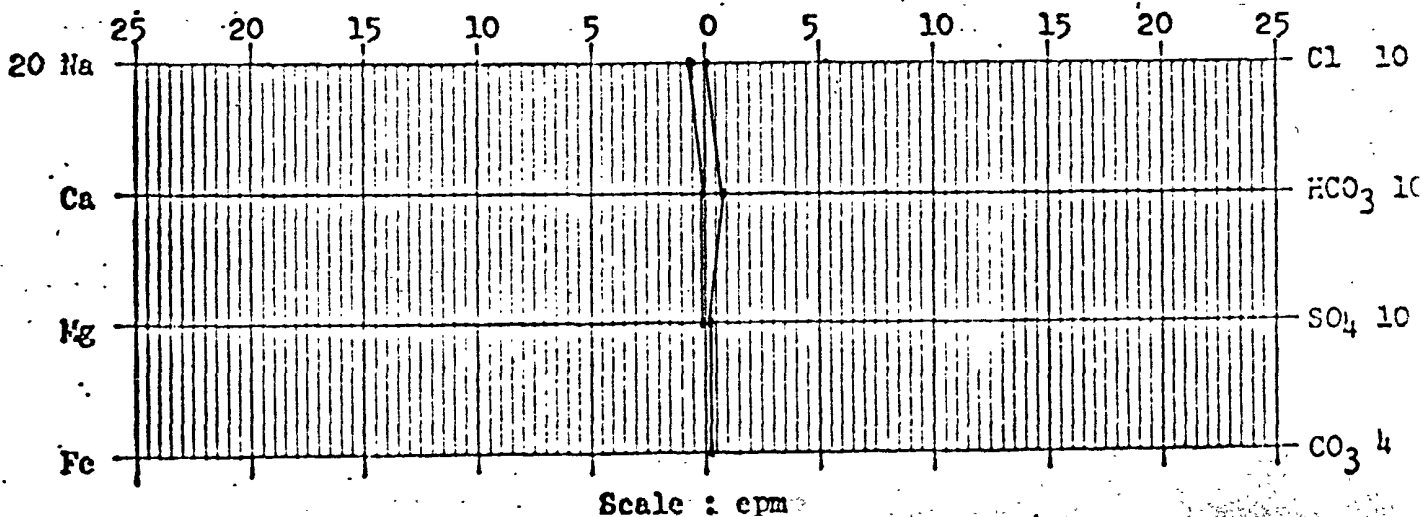
Date Sampled 7-13-81 By J. E. Stotts

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>271</u>	<u>11.8</u>	Chloride <u>20</u>
Calcium <u>2</u>	<u>.1</u>	Bicarbonate <u>469</u>
Magnesium <u>1</u>	<u>.1</u>	Sulfate <u>126</u>
Iron _____	_____	Carbonate <u>34</u>
H ₂ S <u>Absent</u>	_____	Hydroxide <u>0</u>

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

Total Solids Dissolved 854
 pH 9.1
 Sp. Gr. 1.0035 At 60°F
 Resistivity 1026 ohm-cm at 75°F

Debbie Dinetelau RZE
 Chemist



SJ 28-5 # 29A

CP. 5 160.44

WELL NO.

CONTRA

RIGNO. 2

REPORT NO.

DATE _____

198

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

James Henry

Company Supervisor