

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 #29A		Location NW 18-28-5		CPS No. 1601W	
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			

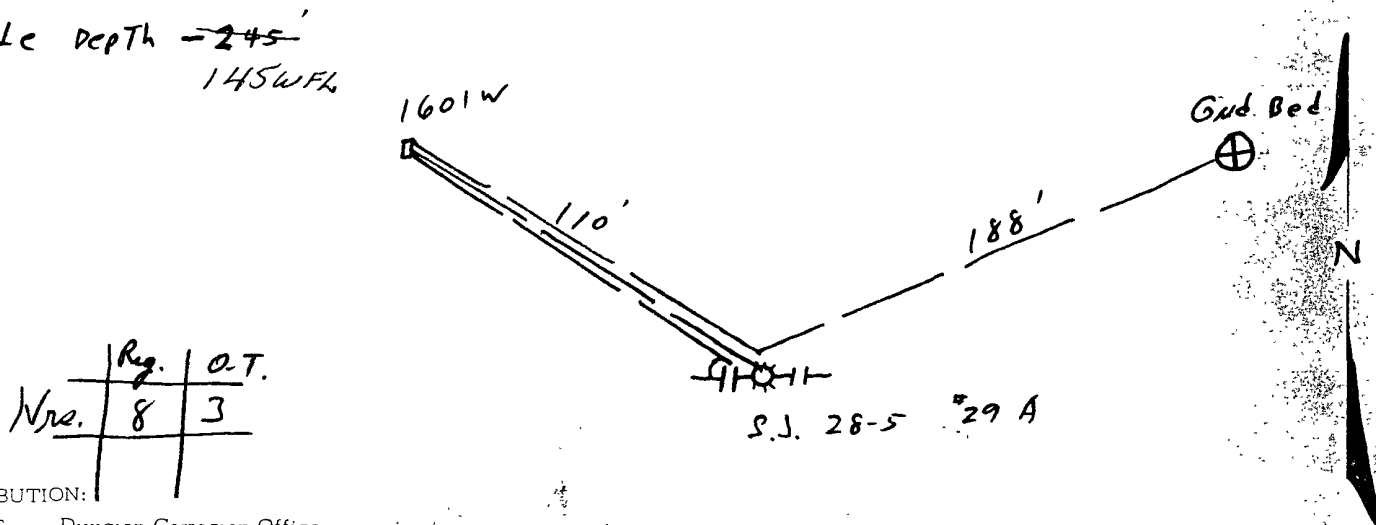
Remarks: STATIC GROUND E = .84 V Driller said water at 120'. Drilled To 200'. WATER STANDING IN HOLE TWO DAYS LATER AT 120'. HOLE MAKING APPROX. 1/2 GAL/MIN. Drilled To 360', Logged 355'. INSTALLED 355' of 1" P.V.C. VENT PIPE. Perforated 240'. (Unions checked OK) COKE BREEZE WAS HAULED IN BULK, EST.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

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

All Construction Completed

JE Stahl
(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	C1 6.4
30 07	C2 10.12
44 10	C3 10.42
58 12	iC4 12.38
58 12	nC4 11.93
72 15	iC5 13.85
72 15	nC5 13.71
86 18	C6 15.50
86 18	C6 15.57
100 21	iC7 17.2
100 21	C7 17.46
114 23	C8 19.39
28 05	C2 9.64
42 08	C3 9.67

MW	MISC	gals/mol
32 00	O2	3.37
28 01	CO	4.19
44 01	CO2	6.38
64 06	SO2	5.50
34 08	H2S	5.17
28 01	N2	4.16
2 02	H2	3.38

120-.9 290-1.9 - ④

Driller said WATER AT 120'.

.5 1.8

Drilled 300' Two days LATER

30-.5 300-1.6 - ③

WATER WAS STANDING AT 120'.

.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' 1" P.V.C.

.5 1.0

Vent Pipe Perforated 240'.

60-1.0 30-1.3

1.4 1.4

70-1.6 40-1.2

1.8 - ⑩ 1.3

12.8 V. 190 A = .67 Ω

80-1.6 50-1.5

7/13/81

1.3 355-T.D.

90-1.5 60-1.4 Drilled To

1.4

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

1.7

4-290'-3.1-5.1

50-1.6

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 1601 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

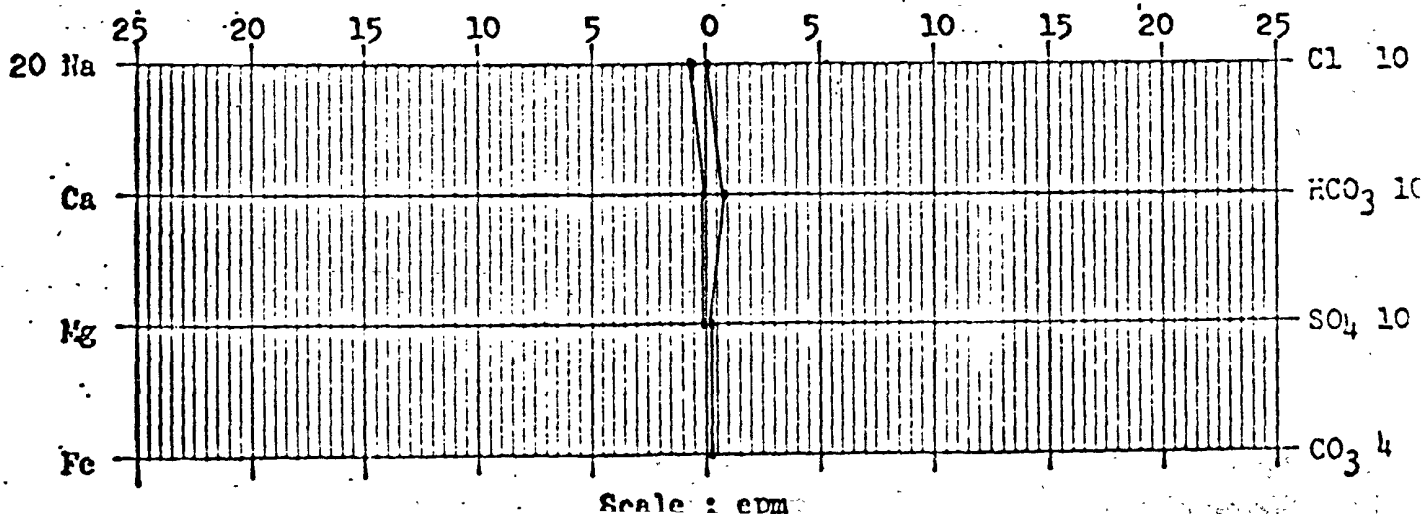
Total Solids Dissolved 854

pH 9.1

Sp. Gr. 1.0035 At 60°F

Resistivity 1026 ohm-cm at 75°F

Debbie Penetland RZE
Chemist



ST 26-5 # 29A

CPS 16014

DAILY DRILLING REPORT

LEASE CONTRACTOR WELL NO. RIG NO. 2 REPORT NO. DATE July 12 1981

MORNING

DAYLIGHT

EVENING

Driller					Total Men In Crew					Driller					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.					

Driller		Total Men In Crew		Driller		Total Men In Crew	
FROM	TO	FORMATION	WT.-BIT	FROM	TO	FORMATION	WT.-BIT

Driller		Total Men In Crew		Driller		Total Men In Crew	
FROM	TO	FORMATION	WT.-BIT	FROM	TO	FORMATION	WT.-BIT

Driller		Total Men In Crew		Driller		Total Men In Crew	
FROM	TO	FORMATION	WT.-BIT	FROM	TO	FORMATION	WT.-BIT

Driller		Total Men In Crew		Driller		Total Men In Crew	
FROM	TO	FORMATION	WT.-BIT	FROM	TO	FORMATION	WT.-BIT

REMARKS -

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Water 120 1/2 Gallon Min.

Dilled 360 TD 355

SIGNED: Toolpusher

Steve Hargis

Company Supervisor