

1244

E

30-039-20872

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

Operator MERIDIAN OIL Location: Unit SE Sec. 16 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #48A

cps 1503w

Elevation 6590' Completion Date 7/10/90 Total Depth 400' 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. 130' SAMPLE TAKEN

Depths gas encountered: N/A

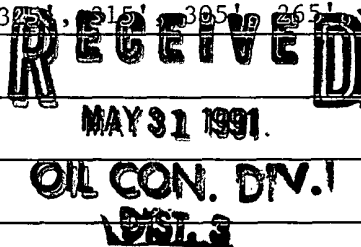
Type & amount of coke breeze used: 3500 lbs.

Depths anodes placed: 365', 355', 345', 335', 325', 315', 305', 265', 255', 245'

Depths vent pipes placed: 400'

Vent pipe perforations: 280'

Remarks: gb #1



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). ☐

2" x 60" Duriron

Completion Date 7-10-80

Well Name S.J. 28-6 #48A		Location SE 16-28-6		CPS No. 1503W	
Type & Size Bit Used 6 3/4				Work Order No. 57550.21	
Anode Hole Depth 400-Log 396	Total Drilling Rig Time	Total Lbs. Coke Used 3500	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 365	# 2 355	# 3 345	# 4 335	# 5 325	# 6 315
# 7 305	# 8 265	# 9 255	# 10 245		
Anode Output (Amps)					
# 1 3.4	# 2 3.6	# 3 4.0	# 4 3.6	# 5 4.1	# 6 4.4
# 7 2.6	# 8 3.1	# 9 2.9	# 10 3.3		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts 11.8	Amps 16.9	Ohms .70			No. 2 C.P. Cable Used

Remarks: STATIC %s 600'E=.88 UNION=good Driller said wet at 40' WATER
AT 130' DRILLED TO 200' WITH AIR. WATER STANDING AT 130' NEXT
A.M. CAUGHT WATER SAMPLE. DRILLED TO 400' LOGGED 396' INST
400' VENT PIPE WITH 280' OF PERFORATIONS. SLURRIED 35
SACKS OF COKE.

20' meter Loop

40V 16A Rect

Jct. Box

Ditch & cable = 298' ✓

EXTRA cable = 225' ✓

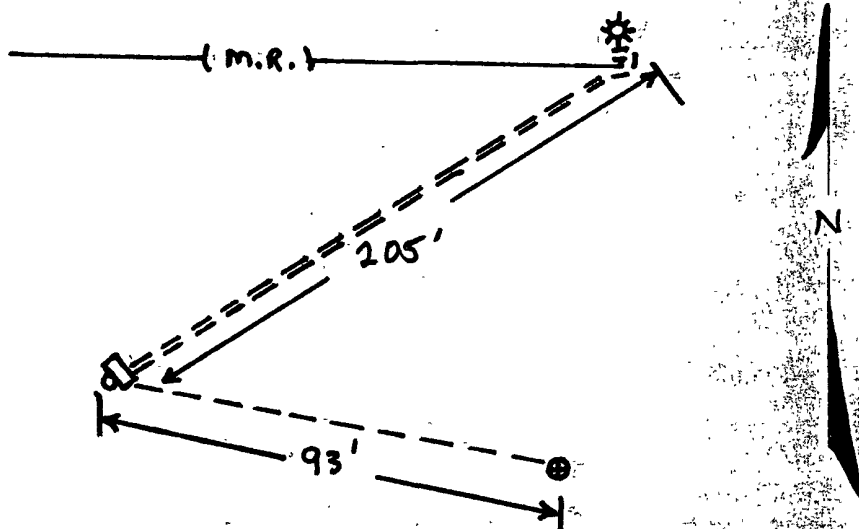
Hole Depth = -104' ✓

All Construction Completed

Robert J. Balmick
(Signature)

GROUND BED LAYOUT SKETCH

Time	Reg	Gr
7-10-80	8	2



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

6590

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 7-10-80
By: RJB
File: 1503WSJ 28-6 #48A SE16-28-6 1503W
57550.21
STATIC % 600' E = .88 UNION - good

7-10-80 - 10hrs

93+
205-

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

130	1.7	330	2.0
	1.5		2.0-4
40	1.4	40	2.4
	1.9		1.7-3
50	1.8	50	1.9
	2.4		2.0-2
60	2.8	60	2.3
	2.2		2.1-1
70	2.4	70	1.3
	1.9		2.0
80	1.8	80	1.7
	.6		-
90	.4	90	-
	.4		-
200	.4	400	-396TD
	.7		
10	.6		
	.8		
20	1.8		
	2.0		
30	2.3		
	2.0		
40	1.9		
	2.0-10		
50	1.5		
	1.5-9		
60	1.8		
	1.8-8		
70	1.1		
	1.1		
80	1.0		
	.7		
90	.8		
	1.4		
300	1.4		
	1.4-7		
10	2.3		
	2.2-6		
20	2.3		
	2.0-5		

Drillers said wet at 40' water
AT 130' drilled to 200' water
STANDING AT 130' NEXT AM
CAUGHT WATER SAMPLE DRILLED
TO 400' Logged 396 inst. 400'
VENT pipe with 280' PERF.
SLURRIED 35 SACKS OF COKE

- ① 365-2.1-3.4
- ② 355-2.4-3.6
- ③ 345-2.7-4.0
- ④ 335-2.3-3.6
- ⑤ 325-2.4-4.1
- ⑥ 315-2.8-4.4
- ⑦ 305-1.5-2.6
- ⑧ 265-2.3-3.1
- ⑨ 255-1.6-2.9
- ⑩ 245-2.1-3.3

$$11.8 \vee 16.9 A = .70 \text{ ohms}$$

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

Analysis No. 1-9962 Date 7-25-80

Operator El Paso Natural Gas Well Name SJ 28-6 #48A

Location SE 16-28-6 County Rio Arriba State New Mexico

Field Blanco Formation _____

Sampled From CPS 1503-W 130 foot depth

Date Sampled 7-10-80 By Robert Babnick

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

Sodium	ppm	epm	Chloride	ppm	epm
	506	22		18	.5

Calcium	28	1	Bicarbonate	283	5
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Magnesium	3	.3	Sulfate	850	18
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Iron	No test		Carbonate	0	0
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H ₂ S	Absent		Hydroxide	0	0
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cc: C.B. O'Nan Total Solids Dissolved 1552

R.A. Ullrich

E.R. Paulek

J.W. McCarthy

A.M. Smith

W.B. Shropshire

D.C. Adams

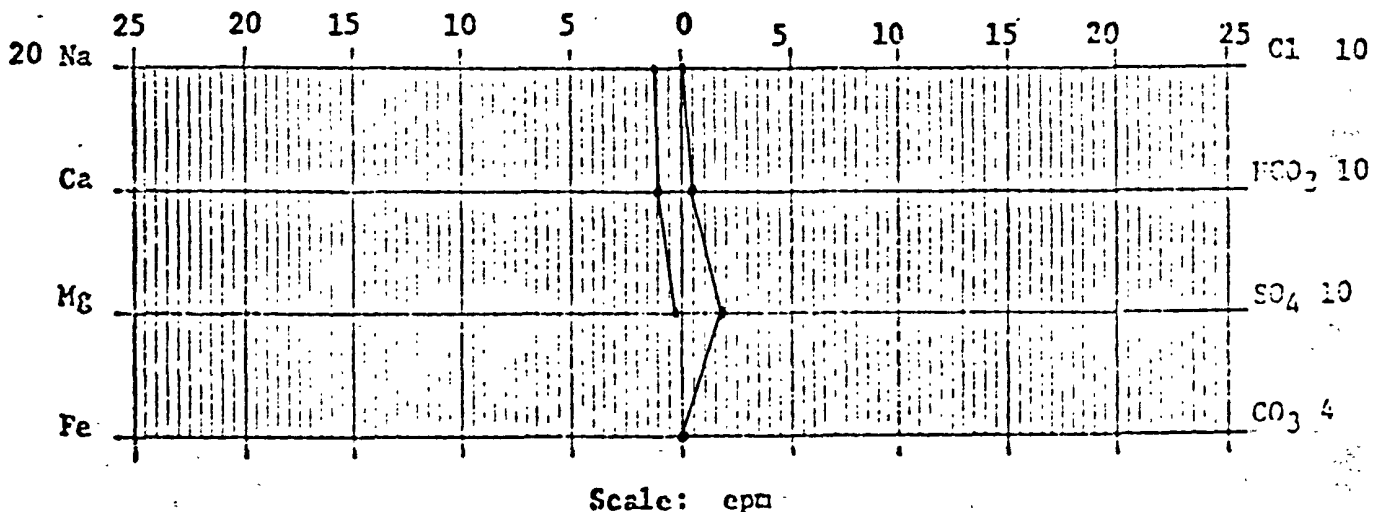
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pH 8.3

Sp. Gr. 1.003 At 60°F

Resistivity 408 ohm-cm at 77°F

Deborah Penetance
Chemist RZE



San Juan 28-6
LEASE SE 16-28-6

#48A
WELL NO.

Three C Drilling
CONTRACTOR

2
RIG NO.

CPS 1503-W DAILY DRILLING REPORT

REPORT NO. 5755A-71 DATE July 10 1980

1980

[illegible]

SIGNED: Toolpusher

Kevin Buzge

____ Company Supervisor