

1384

30-039-22232

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. 31 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #15A 51A

cps 1604w

Elevation 6527' Completion Date 7/10/81 Total Depth 406' 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. 105' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3500 lbs.

Depths anodes placed: 360', 350', 340', 325', 315', 305', 295', 285', 275', 265'

Depths vent pipes placed: 390'

Vent pipe perforations: 300'

Remarks: gb#1

RECEIVED

MAY 31 1991

OIL CON. DIV.

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). ☐

Completion Date 7-10-81

Well Name S. J. 28-5 #51A		Location NW 31-28-5		CPS No. 1604 W	
Type & Size Bit Used 6 3/4 Rock		Anodes - 2" x 60" Duriron		Work Order No. 184-57921-21-50-20	
Anode Hole Depth 406-Log 406	Total Drilling Rig Time	Total Lbs. Coke Used 3500 APPROX	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	360	350	340	325	315
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	3.6	3.2	2.8	2.8	3.7
Anode Depth	# 6	# 7	# 8	# 9	# 10
	305	295	285	275	265
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	2.7	3.1	3.4	2.5	3.2
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 12.0		Amps 15.2		Ohms .79
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: STATIC 4s 600'N = .88 800mA + u = OK

DRILLER SAID WATER AT 105' BLEW MUD OUT OF HOLE BETWEEN CONNECTIONS DRILLED TO 160' CAUGHT WATER SAMPLE NEXT AM. (WATER LEVEL DROPPED TO APPROX 150' AFTER LOGGING.) DRILLED 406' LOGGED 406. LOST APPROX 10 FT OF HOLE WHILE PUTTING VENT PIPE IN HOLE. 990 FT VENT PIPE WITH 300 FT PERF. SLURRIED APPROX 3500 POUNDS BULK COKE. SOME CHUNKS CAVING SHALE IN CUTTING SAMPLES.

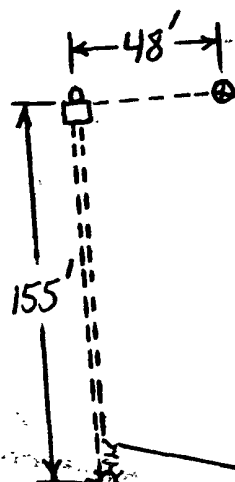
Hole depth = -94
EXTRA cable = 175
Ditch & cable = 203
25 FT meter pole
40016A Rect

All Construction Completed

Robert J. Babnik
(Signature)

GROUND BED LAYOUT SKETCH

	Reg	O.T.
7-10	8	2



DISTRIBUTION:

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

1604W S.S. 28-5 #51A NW 31-28-5
 184-57921-21-50-20-
 STATIC $\frac{9}{5}$ 400N = .88V 800MAT u = OK

7-10-10hrs

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

105	1.4	280	1.2	Driller said water at 105' Blew
110	1.4		1.4 - 8	mud out of hole between connections
	1.5	90	1.3	Drilled to 160' caught water
20	1.7		1.1 - 7	sample next AM. Drilled
	1.6	300	1.3	to 406' Logged 406 FT Inst
30	1.7		1.1 - 6	400 FT VENT pipe with 300 FT
	1.8	10	1.5	Perforated total water 26 PM
40	1.6		1.4 - 5	3500 LB of coke approx. log
	1.4	20	1.1	
50	1.6		1.1 - 4	
	1.2	30	1.0	
60	.7		.9	
	1.1	40	1.2 - 3	
70	1.4		1.2	
	1.6	50	1.2 - 2	
80	1.8		1.4	
	1.9	60	1.4 - 1	
90	1.6		1.0	
	1.3	70	.9	
200	1.5		.7	
	1.3	80	.9	
10	.7		1.1	
	.5	90	1.2	
20	.5		1.0	
	.5	400	1.0	
30	.6			
	.7			
40	1.5			
	1.5			
50	1.4			
	1.2			
60	1.6			
	1.3 - 10			
70	1.1			
	1.1 - 9			

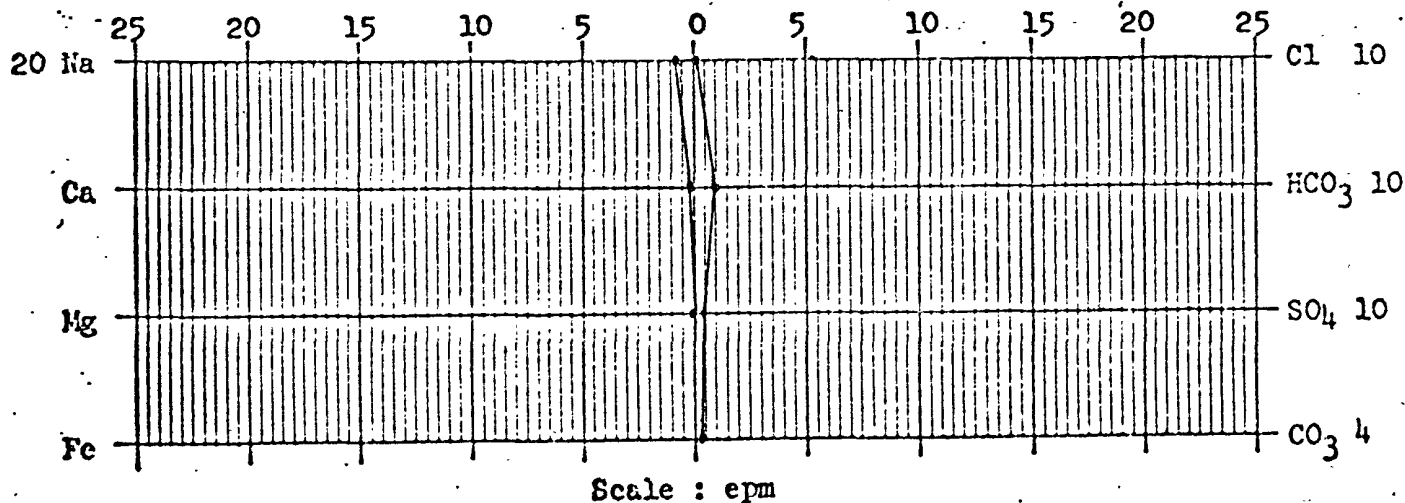
- 406 TD
- ① 360 - 2.0 - 3.6
 - ② 350 - 1.7 - 3.2
 - ③ 340 - 1.4 - 2.8
 - ④ 325 - 1.5 - 2.8
 - ⑤ 315 - 2.2 - 3.7
 - ⑥ 305 - 1.4 - 2.7
 - ⑦ 295 - 1.6 - 3.4
 - ⑧ 285 - 1.9 - 3.4
 - ⑨ 275 - 1.4 - 2.5
 - ⑩ 265 - 1.8 - 3.2

$$12.0V @ 15.2A = 179 \text{ ohms}$$

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

Analysis No. 1-10250 Date 7-15-81
Operator EPNG Well Name SJ 28-5 #51A 105 ft. CPS #1604 W
Location NW 31-28-5 County Rio Arriba State New Mexico
Field Blanco Formation _____
Sampled From _____
Date Sampled 7-10-81 By Robert J. Babnick
Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____
Sodium 317 ppm 13.8 epm Chloride 4 ppm .1 epm
Calcium 4 .2 Bicarbonate 581 9.5
Magnesium .5 .04 Sulfate 170 3.5
Iron Absent Carbonate 26 .9
H₂S Absent Hydroxide 0 0
cc: R. A. Ullrich Total Solids Dissolved 790
E. R. Paulek pH 8.7
J. W. McCarthy Sp. Gr. 1.0064 At 60°F
J. D. Evans Resistivity 1235 ohm-cm at 74°F
W. B. Shropshire
D. C. Adams
File

Debbie Denetland RZE
Chemist



160422

57285 # 51A

DATE 7-10-81

EVENING

SIGNED: Toolpusher 