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30039-22233

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. 32 Twp 28 Rng 5
Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #38A
cps 1603w
Elevation 6487' Completion Date 10/15/81 Total Depth 230' 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. 25' - 30' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: N/A
Depths anodes placed: 210', 200', 190', 180', 160', 150', 140', 130', 120', 110'
Depths vent pipes placed: 230'
Vent pipe perforations: 210'
Remarks: gb #1

RECEIVED
MAY 31 1981
OIL CON. DIV.
DIST. 3

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 10-15-81

Well Name <u>ST 28-5- #38A</u>		Location <u>SE 32-28-5</u>		CPS No. <u>1603W</u>	
Type & Size Bit Used <u>6 3/4" UNIONS-OK</u>		Work Order No. <u>STATIC-80N 57919-21-50-22</u>			
Anode Hole Depth <u>230'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>210</u>	# 2 <u>200</u>	# 3 <u>190</u>	# 4 <u>180</u>	# 5 <u>160</u>	# 6 <u>150</u>
# 7 <u>140</u>	# 8 <u>130</u>	# 9 <u>120</u>	# 10 <u>710</u>		
Anode Output (Amps)					
# 1 <u>2.47</u>	# 2 <u>3.07</u>	# 3 <u>3.60</u>	# 4 <u>3.00</u>	# 5 <u>2.60</u>	# 6 <u>2.85</u>
# 7 <u>3.50</u>	# 8 <u>4.13</u>	# 9 <u>4.10</u>	# 10 <u>3.25</u>		
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 <u>11.97</u>	Amps <u>16.4</u>	Ohms <u>.72</u>			

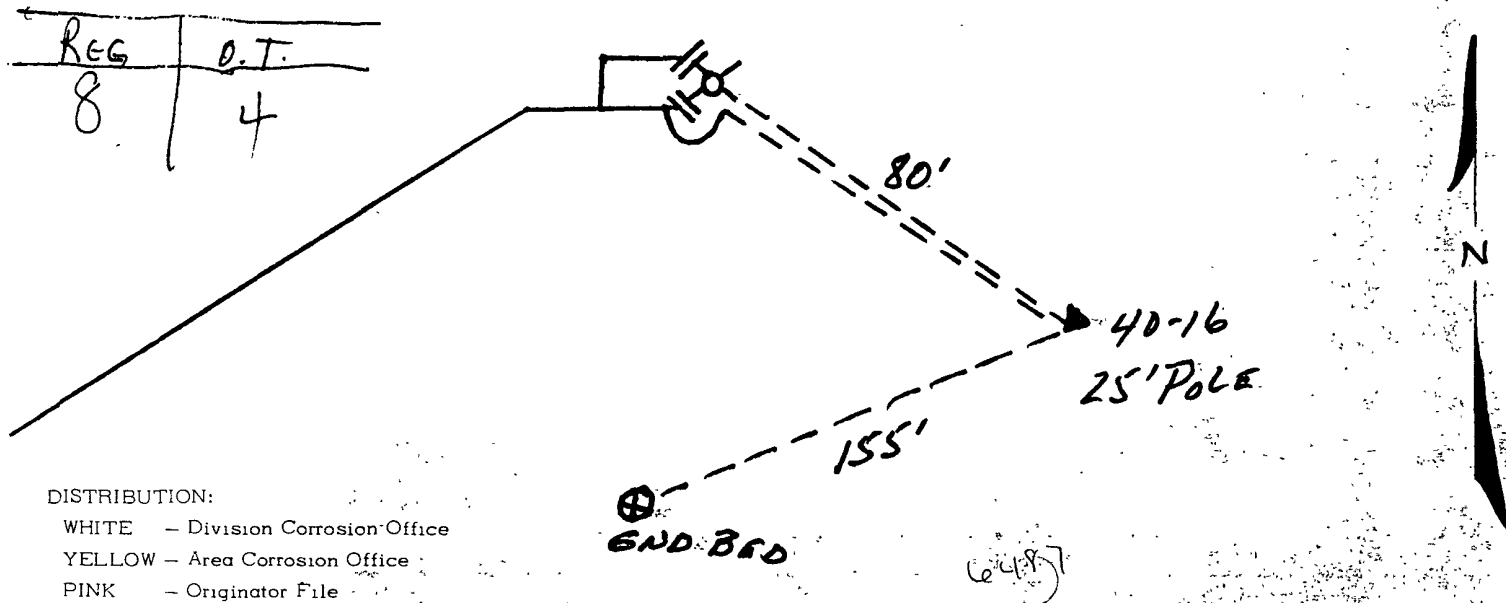
Remarks: WET 25'-30' BLOW SAMPLE BIG WATER
SAND 70-100'. WASHING OUT TOP OF HOLE
DRILLED 230' LOG 230'
20' 1" PLAIN VENT PIPE BALANCE PERFORATED

DITCH #1 CABLE = 235'
XTRA CABLE = 100'
HOLE = -270'

All Construction Completed

BT
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

Date: 10-15-81
 By: BT

 JJ 28-5 # 38A 1603W
 SE 38-28-5

 STATION 280 N
 LINDSAY
 5-19-81

 WRT 28-30' Below Sample
 MORE WATER AT 80'-190'

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

20" PLUM VENT PIPE BALANCE PERFORMED

 40' VOLTS 11.97
 45' 1.31 DRILLED 230' AMPS 16.4
 50' 1.47 LOG 230' 17.2
 55' 1.52

60' 1.51	30' 1.92	10' 1.76	20' 1.52
65' 1.54	35' 1.82	5' 1.48	25' 1.08
70' .85	40' 1.82	10' 1.48	30' 1.11
75' .96	45' 1.42	15' 1.08	35' 1.11
80' .41	50' 1.22	20' 1.11	40' 1.38
85' .43	55' 1.38	25' 1.30	45' 1.30
90' .48	60' 1.30	30' 1.17	50' .81
95' .42	65' 1.17	35' .64	55' 1.42
100' .51	70' .81	40' 1.42	60' 1.80
105' 1.06	75' .64	45' 1.80	65' 1.84
110' 1.58	80' 1.42	50' 1.90	70' 1.90
115' 1.63	85' 1.80	55' 1.90	75' 1.90
120' 1.90	90' 1.84	60' 1.90	80' 1.90
125' 2.08	95' 1.90	65' 1.90	85' 1.90

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

# 210	1.67	2.47
200	1.75	3.07
190	2.15	3.60
180	1.48	3.00
160	1.22	2.60
150	1.30	2.85
140	1.85	3.50
130	2.15	4.13
120	2.15	4.13
110	1.65	3.25

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

Analysis No. 1-10414 Date 11-3-81

Operator EPNG Well Name SAN JUAN 28-5 #38A CPS#1603-W

Location SE 32-28-5 County RIO ARRIBA State NEW MEXICO

Field _____ Formation _____

Sampled From 30'

Date Sampled 10-14-81 By _____

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

	ppm	epm		ppm	epm
Sodium	<u>410</u>	<u>17.8</u>	Chloride	<u>14</u>	<u>0.4</u>
Calcium	<u>18</u>	<u>0.9</u>	Bicarbonate	<u>522</u>	<u>8.6</u>
Magnesium	<u>2</u>	<u>0.2</u>	Sulfate	<u>480</u>	<u>10.0</u>
Iron	_____	_____	Carbonate	<u>0</u>	<u>0</u>
H ₂ S	_____	_____	Hydroxide	<u>0</u>	<u>0</u>

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

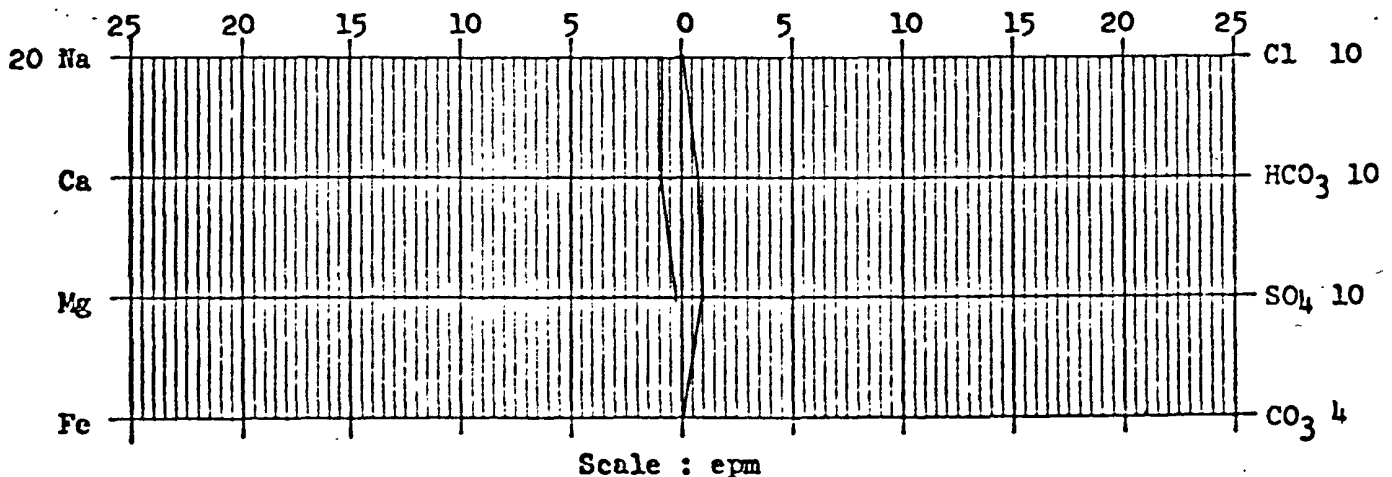
Total Solids Dissolved 1206

pH 8.4

Sp. Gr. 0.9981 At _____ 60°F

Resistivity 571 ohm-cm at 71 °F

DENNIS P. BIRD
Chemist RZE



28-5 # 38A

SAVAGE DRILL CO

[illegible]

SIGNED: Toolpusher

____ Company Supervisor