

995

#24 30-039-07125

E

#206 30-039-20848

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

Operator MERIDIAN OIL Location: Unit NE Sec. 10 Twp 27 Rng 6
Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #24, #206
cos 1291w
Elevation 6286' Completion Date 8/22/78 Total Depth 320' Land Type* N/A
Casing, Sizes, Types & Depths 20' OF 7" PVC PIPE
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. 45' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: 35 SACKS
Depths anodes placed: 280', 270', 260', 250', 240', 230', 220', 210', 200', 190'
Depths vent pipes placed: 280'
Vent pipe perforations: 240'
Remarks: gb #1

RECEIVED
MAY 31 1991
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 8-22-78

Well Name <u>S.J. 28-6 #24</u> <u>#206</u>		Location <u>NE 10-27-6</u>		CPS No. <u>1291W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>#24=52644-19</u> <u>#206=55839-21</u>	
Anode Hole Depth <u>Drilled</u> <u>320 - 310</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>280</u>	# 2 <u>270</u>	# 3 <u>260</u>	# 4 <u>250</u>	# 5 <u>240</u>	# 6 <u>230</u>
# 7 <u>220</u>	# 8 <u>210</u>	# 9 <u>200</u>	# 10 <u>190</u>		
Anode Output (Amps)					
# 1 <u>2.4</u>	# 2 <u>2.7</u>	# 3 <u>3.0</u>	# 4 <u>2.9</u>	# 5 <u>3.1</u>	# 6 <u>4.0</u>
# 7 <u>3.0</u>	# 8 <u>3.7</u>	# 9 <u>3.9</u>	# 10 <u>3.3</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>11.8</u>	Amps <u>14.6</u>	Ohms <u>0.81</u>			

Remarks: Static #24 600' SE = 1.01, Static #206 600' E = 1.02. Started MAKING
Water @ 45'. Did not have to inject. Cased 20' of Hole with 7" PVC pipe.
Perforated 240' of 1" PVC vent Pipe. Installed 280' of 1" PVC vent Pipe
Slurried 35 sacks of coke. Gnd Bed MAKING 75 C.A.S per min
1 1/2" X 60" Duriron

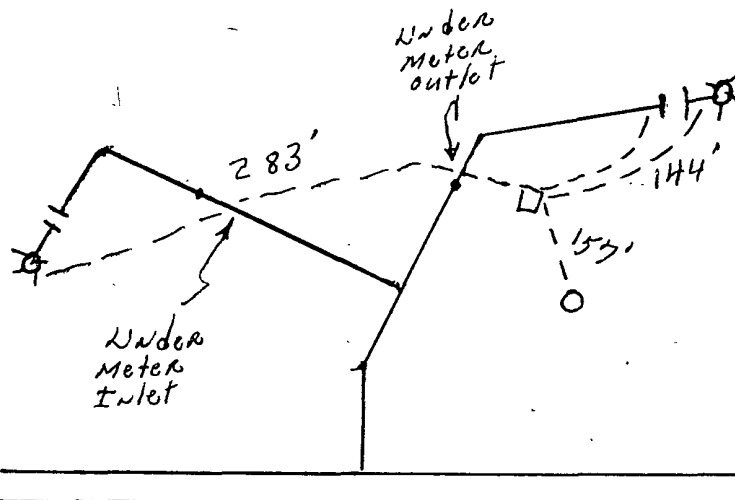
Hole Depth = -190'
Ditch #1 cable = 584'
Extra cable = 144

60V 30A Rectifier
Stub Pole

All Construction Completed

W Z Lutz
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6286

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: 500
320
180

S.J. 28-6#24

S.J. 28-6#206

NE 10-27-6

1291W

52644-19

55839-21

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

Static #24 600 SE = 1.01
Static #206 600 E = 1.02

Started making water @ 45' next

AM water standing @ 45'

Perforated 240' of 1" PVC vent pipe

Installed 280' of 1" PVC vent pipe

Slurried 35 sacks of coke breeze

Installed 20' of 7" casing PVC.

75 Gals per min

50 ⑤ 40 1.7

.9 1.4

60 1.4 ④ 50 1.3

.5 1.7

70 .6 ③ 60 1.4

.7 1.3

80 .8 ② 70 1.3

.7 1.2

90 1.0 ① 80 1.2

1.2 1.2

100 .5 90 1.1

.5 1.1

10 .6 300 1.4

1.0 1.4

20 .4 10 1.2 T.D.

.6

30 .8 20 Drilled

.5

40 .4

.4

50 .4

.3

60 .3

.8

70 1.0

1.1

80 1.2

1.3

⑩ 90 1.4

1.3

⑨ 100 1.5

1.5

⑧ 10 1.6

1.5

⑦ 20 1.6

1.6

⑥ 30 1.3

1.7

① 280 1.34 2.4

② 270 1.5 2.7

③ 260 1.8 3.0

④ 250 2.8 2.9

⑤ 240 1.8 3.1

⑥ 230 2.4 4.0

⑦ 220 1.7 3.0

⑧ 210 2.1 3.7

⑨ 200 2.2 3.9

⑩ 190 1.9 3.3

Volts 11.8

Amps 14.6

Ohms 0.81

Hole Depth = 190

Ditch 1 cable = 584

Extra cable = 144

60V 30A Rect. 5.0V

Stub Pole

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

Analysis No. 1-9323 Date 9-15-78

Operator _____ Well Name San Juan #24 & 206

Location 10-27-6 County _____ State _____

Field _____ Formation ANODE BED

Sampled From 1291W WTR @ 45' 280' DEPTH 75 GPM

Date Sampled _____ By _____

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

ppm	epm	ppm	epm
Sodium <u>285</u>	<u>12</u>	Chloride <u>28</u>	<u>0.8</u>

Calcium <u>12</u>	<u>0.6</u>	Bicarbonate <u>420</u>	<u>7</u>
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Magnesium <u>0</u>	<u>0</u>	Sulfate <u>240</u>	<u>5</u>
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Iron <u>PRESENT</u>		Carbonate <u>7</u>	<u>0.2</u>
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	<u>0</u>
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cc: D.C. Adams
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
File

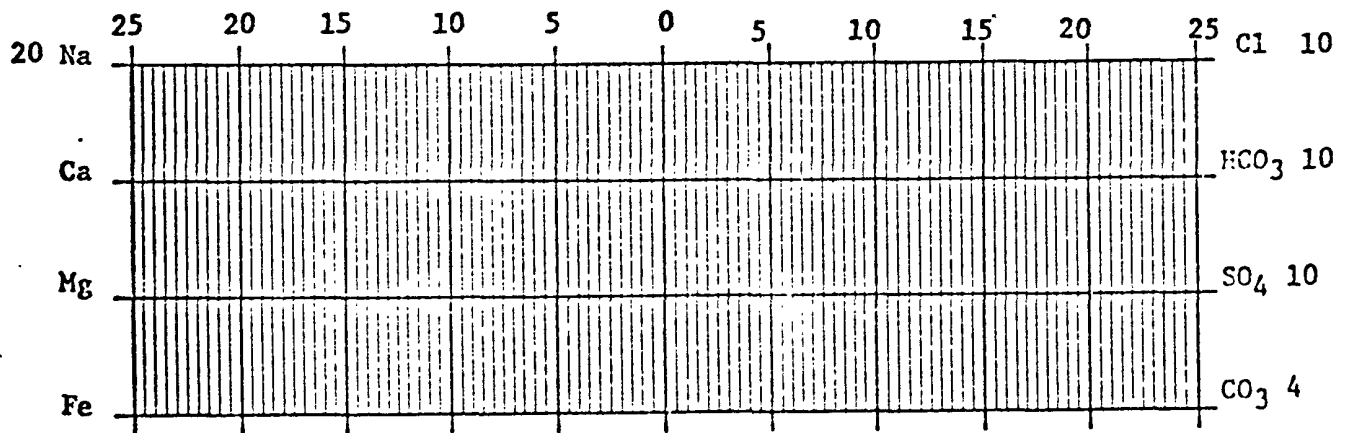
Total Solids Dissolved 746

pH 8.6

Sp. Gr. 1.0016 at 60°F

Resistivity 900 ohm-cm at 72°F

RZ Ellisbury
Chemist



Scale: epm

DAILY DRILLING REPORT

LEASE					WELL NO. 1291W					CONTRACTOR O'Brian					RIG NO. 1					REPORT NO.					DATE Aug 19				
MORNING										DAYLIGHT										EVENING									
Driller					Total Men In Crew					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.															
BIT NO.					NO. DC					SIZE					LENG.														
SERIAL NO.					STANDS					SINGLES					DOWN ON KELLY														
MAKE					TOTAL DEPTH					MUD RECORD					MUD, ADDITIVES USED AND RECEIVED														
Time					Wt.					Vis.																			
FROM					TO					TIME BREAKDOWN																			
0					8					Surface																			
8					17					Sandstone																			
17					38					Sandy Shale																			
45					45					Sandstone damp																			
45					55					Shale																			
55					112					Sandstone																			
REMARKS -															REMARKS -														
															Wefer @ 45 over nite Est. 70 gal min Drilled to 310 w/ 6 3/4 Logged to 310														
REMARKS -															REMARKS -														
															Cased top 20 ft w/ 7 in P.V.C.														

SIGNED: Toolpusher

____ Company Supervisor