

#23 = 30-039-07014
4804 #96 = 30-039-07108
#112 = 30-039-07099

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

Operator MERIDIAN OIL Location: Unit SW Sec. 9 Twp 27 Rng 6
Name of Well/Wells or Pipeline Serviced SAN JAUN 28-6 UNIT #23, #96, #112
cps 681w
Elevation 6478' Completion Date 11/15/77 Total Depth 420' 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. 100'

Depths gas encountered: N/A
Type & amount of coke breeze used: 49 SACKS
Depths anodes placed: 385', 375', 365', 355', 345', 335', 325', 315', 305', 295'
Depths vent pipes placed: 400' OF 1" PVC VENT PIPE
Vent pipe perforations: 280'
Remarks: gb #2

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.

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

W.O. 52627.19

53914.19

54306.19

681 W

MW	gas/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
128.25	C ₉ 21.84
142.28	C ₁₀ 24.87

MW	MISC.	gas/mol
32.00	O ₂	3.37
28.01	CO	4.18
44.01	CO ₂	5.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.18
2.02	H ₂	3.38

100 —	310 — 1.5		
—	— 1.5 —		
10 —	20 — 1.6		
—	— 1.3 — 7		
20 —	30 — 1.3		
—	— 1.5 — 6		
30 —	40 — 1.3		
—	— 1.4 — 5		
40 —	50 — 1.7		
—	— 1.5 — 4		
50 —	60 — 1.3		
—	— 1.4 — 3		
60 —	70 — 1.4		
—	— 1.5 — 2		
70 —	80 — 1.6		
—	— 1.5 — 1		
80 —	90 — 1.5		
—	— 1.6		
90 —	400 — 1.5		
—	— 1.4		
200 —	10 — 161e depth.		
—	20 — Drilled To		
10 — .26			
— .26			
20 — .23			
— .44			
30 — .16			
— .15			
40 — .16			
— .9			
50 — .4			
— .5			
60 — .15			
— .4			
70 — .4			
— .5			
80 — .11			
— .14			
90 — .14			
— .17 —			
300 — .15			
5 — .14 —			
	1 = 385 — 1.7 — 2.7		
	2 = 375 — 1.8 — 3.0		
	3 = 365 — 1.6 — 3.0		
	4 = 355 — 1.9 — 3.2		
	5 = 345 — 1.8 — 3.3		
	6 = 335 — 1.7 — 3.0		
	7 = 325 — 1.9 — 2.8		
	8 = 315 — 1.8 — 2.7		
	9 = 305 — 1.8 — 2.7		
	10 = 295 — 2.0 — 3.3		
			99A
			11.8 V
			11.9 V

400 gal per
vent pipe
per 100 ft
280'

Driller had water at 100' Drilled hole up
started injecting at 260'

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 11/15/77

Well Name <u>S.J. 28-6</u>		Location <u>SW 9-27-6</u>		CPS No. <u>681 W</u>	
Type & Size Bit Used <u>6 7/4"</u>				Work Order No. <u>52627, 19-50-0</u> <u>53914, 19-50-0</u> <u>54306, 19-50-2</u>	
Anode Hole Depth <u>420 T.D. - 410</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>49 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>385'</u>	#2 <u>375'</u>	#3 <u>365'</u>	#4 <u>355'</u>	#5 <u>345'</u>	#6 <u>335'</u>
#7 <u>325'</u>	#8 <u>315'</u>	#9 <u>305'</u>	#10 <u>295'</u>		
Anode Output (Amps)					
#1 <u>2.7</u>	#2 <u>3.0</u>	#3 <u>3.0</u>	#4 <u>3.2</u>	#5 <u>3.3</u>	#6 <u>3.0</u>
#7 <u>2.8</u>	#8 <u>2.7</u>	#9 <u>2.7</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>9.9</u>	Ohms <u>1.19</u>			

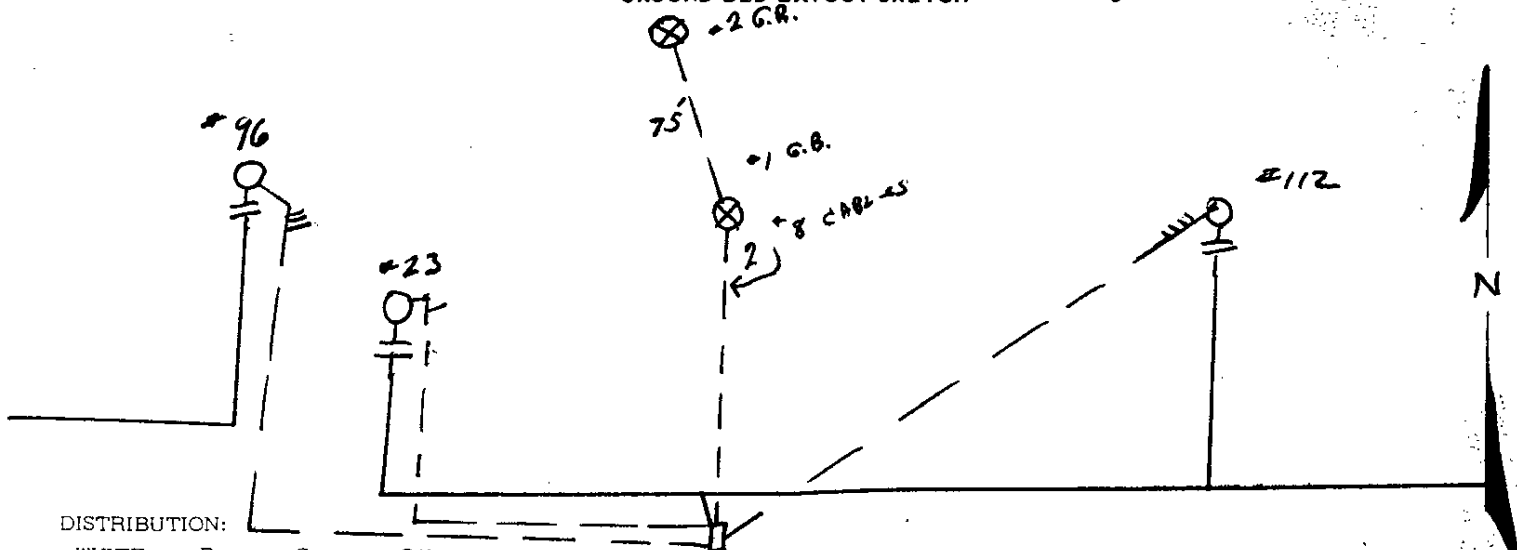
Remarks: Driller said water at 100' started injecting at 260'.
400' of 1" P.V.C. Vent pipe, perforated 280'. Drilled 420', Test
Anode stopped AT 410'.

5 Anode Gnd. Bed + 5 Anodes

All Construction Completed

JE Stoltz
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

DAILY DRILLING REPORT

DATE 11-15-1964

DAYLIGHT

EVENING

NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.
BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.
SERIAL NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.
SIZE	SINGLES	SIZE	SINGLES	SIZE	SINGLES	SIZE	SINGLES	SIZE
TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE
MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE

MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED	
Time	Wt.	Vis.		Time	Wt.	Vis.		Time	Wt.	Vis.	
1	1	1									
FROM	TO		TIME BREAKDOWN	FROM	TO		TIME BREAKDOWN	FROM	TO		TIME BREAKDOWN

Drilled	4/20
Logged	4/10
1/17	4/15

[illegible]

REMARKS -

240-300 3444/564/e
300-320 3441/e
320-340 3444/544/e
340-360 3441/e
360-420 3444/544/e

Company Supervisor