

900

10- 30-039-07338

114- 30-039-07335

E

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. 25 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #10, #114
cps 1168w

Elevation 6579' Completion Date 8/10/77 Total Depth 445' 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' & 190' - 120'

Depths gas encountered: N/A

Type & amount of coke breeze used: 58 SACKS

Depths anodes placed: 415', 405', 390', 360', 315', 305', 295', 285', 276', 260'

Depths vent pipes placed: 420'

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 8-10-77

Well Name <u>SAN JUAN 28-6 Unit # 10</u>		Location <u>NE 25-28-6</u>		CPS No. <u>1168W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>#10 = 40048.19</u> <u>#114 = 54352.19</u>	
Anode Hole Depth <u>445 - 434</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>58</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>415</u>	# 2 <u>405</u>	# 3 <u>390</u>	# 4 <u>360</u>	# 5 <u>315</u>	# 6 <u>305</u>
# 7 <u>295</u>	# 8 <u>285</u>	# 9 <u>275</u>	# 10 <u>260</u>		
Anode Output (Amps)					
# 1 <u>2.9</u>	# 2 <u>2.7</u>	# 3 <u>2.8</u>	# 4 <u>2.8</u>	# 5 <u>3.3</u>	# 6 <u>3.5</u>
# 7 <u>3.4</u>	# 8 <u>3.0</u>	# 9 <u>2.4</u>	# 10 <u>2.2</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	
Volts <u>11.5</u>		Amps <u>12.3</u>		Ohms <u>0.94</u>	

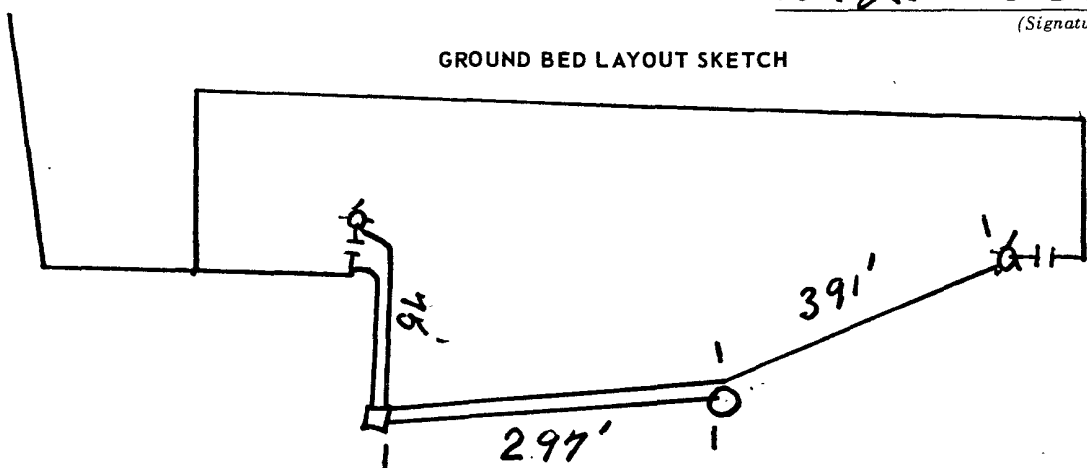
Remarks: Static #10 600'SE = 0.76, Static #114 600'SW = 0.78.

Installed 10-2" x 2" x 48" Graphite Anodes. Driller said making water @ 130'. Next A.M. NO water. Drilled to 200' waited 20 minutes blew water. started #114 @ 200'. Driller said making water between 190' & 200'. Perforated 240' of 1" PVC vent Pipe. Installed 420' of 1" PVC vent Pipe. #10 MARKED 1 notch & #114 MARKED 3 notches. Shurried 58 SACKS OF Installed 600 30A Rectifier & stub Pole

All Construction Completed

W. L. Lutz
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6579'

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

8-10-77

475
130
585
225

SAN JUAN 28-6 UNIT #10

40048.19

SAN JUAN 28-6 UNIT #114

NE 25-28-6

1168W

54352.19

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 600' SE #10 = 0.76		DRILLER SAID MAKING WATER @	
Static 600' SW #114 = 0.78		Next AM. AND WATER DRILLED TO	
10-2"X2"X48" GRAPHITE ANODES		200' WAITED 20 minutes @	
60V 30A RECTIFIER		Blew WATER. DRILLER SAID MAKING	
Stub Pole		water between 190' & 200'	
		Started Inj. @ 200'	
		DRILLED TO 420' next AM. water	
		standing @ 200'	
		PERFORATED 240' 2 1/2" PVC Vent Pipe	
		Installed 420' 2 1/2" PVC Vent Pipe	
200 1.5	60 1.4	(1)	
1.9	1.2		
10 1.6	70 .7		
1.4	.7		
20 .8	80 1.0		
.6	1.6		
30 .5	90 1.4	(3)	
1.1	1.0		
40 1.1	400 1.0		
.8	1.3	(2)	
50 .8	10 1.2		
.9	1.3	(1)	
60 1.1 1.2	20 1.3		
.8 .9	1.1		
70 .9 1.1	30 1.1		
1.2 1.5	(9)	H 34 + D	(1) 415 1.6 2.9
70 1.4 1.4	(10)		(2) 405 1.5 2.7
286 1.5 1.1	(8)	445 Drilled	(3) 390 1.7 2.8
90 1.2			(4) 360 1.7 2.8
1.4	(7)		(5) 315 1.9 3.3
300 1.7			(6) 305 1.8 3.5
1.3	(6)		(7) 295 1.7 3.4
10 1.6			(8) 285 1.7 3.0
1.5	(5)		(9) 275 1.2 2.4
20 1.0			(10) 260 1.2 2.2
1.0			
30 .9			
.7			
40 .6			
.5			
50 .5			
.7			
		11.5 Volts 12.3 Amps	
		0.94 ohms	

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE		WELL NO. <u>1168W</u>		CONTRACTOR <u>Posey</u>		RIG NO.		REPORT NO.		DATE <u>8-10-</u>		19 <u>77</u>		
MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller <u>Posey</u>		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.
										<u>TD-438</u>				
BIT ' _____		NO. DC _____ SIZE _____ LENG. _____			BIT NO. <u>634</u>		NO. DC _____ SIZE _____ LENG. _____			BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____		
SERIAL NO. _____		STANDS _____			SERIAL NO. _____		STANDS _____			SERIAL NO. _____		STANDS _____		
SIZE _____		SINGLES _____			SIZE _____		SINGLES _____			SIZE _____		SINGLES _____		
TYPE _____		DOWN ON KELLY _____			TYPE _____		DOWN ON KELLY _____			TYPE _____		DOWN ON KELLY _____		
MAKE _____		TOTAL DEPTH _____			MAKE _____		TOTAL DEPTH _____			MAKE _____		TOTAL DEPTH _____		
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.		
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN		
<u>0</u>	<u>4</u>	<u>Surface</u>			<u>90</u>	<u>95</u>	<u>Sand stone</u>			<u>150</u>	<u>170</u>	<u>Sand stone</u>		
<u>4</u>	<u>25</u>	<u>Shale</u>			<u>95</u>	<u>98</u>	<u>Sand wet</u>			<u>170</u>	<u>185</u>	<u>Shale</u>		
<u>25</u>	<u>65</u>	<u>Sand Dry</u>			<u>98</u>	<u>120</u>	<u>Shale</u>			<u>185</u>	<u>190</u>	<u>Sand wet making wet.</u>		
<u>6</u>	<u>75</u>	<u>Shale</u>			<u>120</u>	<u>133</u>	<u>Sand Dry</u>			<u>190</u>	<u>203</u>	<u>Shale</u>		
<u>75</u>	<u>80</u>	<u>Sand Dry</u>			<u>133</u>	<u>140</u>	<u>Shale</u>			<u>203</u>	<u>220</u>	<u>Sandy shale</u>		
<u>80</u>	<u>90</u>	<u>Shale</u>			<u>140</u>	<u>150</u>	<u>Sand</u>			<u>220</u>	<u>245</u>	<u>Shale</u>		
REMARKS -					REMARKS -					REMARKS -				
										<u>245 - 260 Sandy shale 400-420 shale</u> <u>260 - 265 shale 420-445 Sand shale</u> <u>265 - 305 Sand stone</u> <u>305 - 315 Sandy shale</u> <u>315 - 345 shale</u> <u>345 - 360 Sandy shale</u> <u>360 - 375 shale</u> <u>375 - 400 sand</u>				

SIGNED: Toolpusher _____

Company Supervisor _____

