

1017

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30-039-21180

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. 12 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #20R
cps 1191w

Elevation 6536' Completion Date 8/23/77 Total Depth 440' 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. 160' - 175' & 203'

Depths gas encountered: N/A

Type & amount of coke breeze used: 52 SACKS

Depths anodes placed: 420', 410', 400', 380', 360', 360', 350', 340', 330', 320', 285'

Depths vent pipes placed: 425'

Vent pipe perforations: 200'

Remarks: gb #1 NO RESPONSE ON #1 ANODE.

RECEIVED
MAY 31 1991

OIL CON. DIV.
DIST. 2

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

STATIC .85

Drilling Log (Attach Hereto). ☐

Completion Date 8-23-77

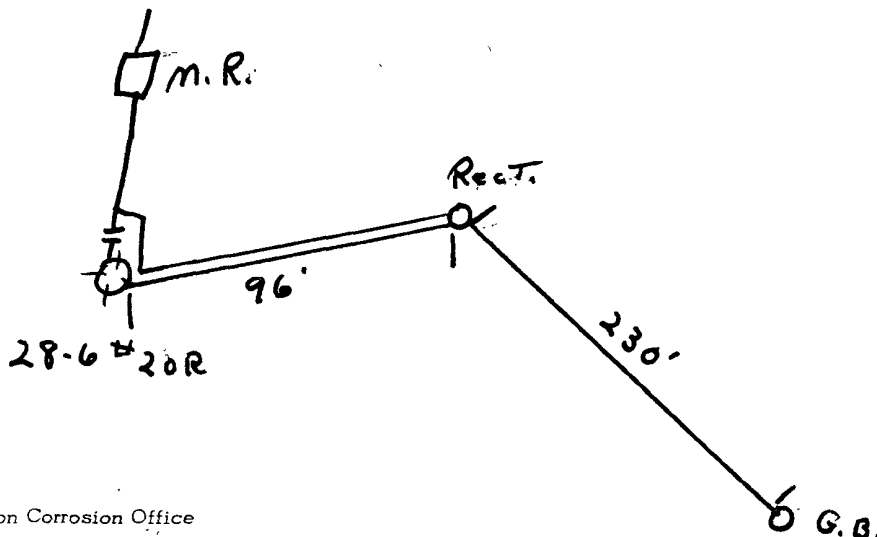
Well Name <u>28-7 #20R</u>		Location <u>SW12-28-6</u>		CPS No. <u>1191W</u>						
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>184-57093.21</u>						
Anode Hole Depth <u>1095pd</u> <u>440</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used						
<u>438</u>										
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
<u>420</u>	<u>410</u>	<u>400</u>	<u>380</u>	<u>360</u>	<u>350</u>	<u>340</u>	<u>330</u>	<u>320</u>	<u>285</u>	
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
<u>2.4</u>	<u>3.5</u>	<u>3.6</u>	<u>2.1</u>	<u>2.6</u>	<u>3.9</u>	<u>3.9</u>	<u>3.6</u>	<u>4.0</u>	<u>2.3</u>	
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
<u>245</u>										
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
<u>4.2</u>										
Total Circuit Resistance	Volts <u>11.2</u>		Amps <u>16.7</u>		Ohms <u>.67</u>		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

Remarks: DRILLER said: wet at 160' to 175'. Next AM no water.
making water at 203'
Installed 425' of 1" VENT PIPE, Perforated 200'
Slurried 52 sacks of coke no response on #1 Anode
40V 16A Rect.
Stub Pole

All Construction Completed

Knight
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6534

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: 8-22-77
By: _____
File: _____

C.P.S. 1191W 57093.21
SAN JUAN 28-6 UNIT 20R
SW 12-28-6

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 28-6-20R		600' NE	0.85	DRILLER SAID WET AT 160' TO 175' NEXT A.M. NO WATER MAKING WATER AT 230'	
40V 16A RECT.				INSTALLED 425' 1" VENT PIPE	
STUB POLE				PERFORATED 200' 1" VENT PIPE	
10 DURIRON ANODES					
		90	1.8		
230	1.3		30		
	1.6	400	1.6 ③		
40	1.9		1.9		
	1.8 ⑩	10	1.9 ③		
50	1.1		1.6		
	1.0	20	1.3 ①		
60	1.60		1.7		
	1.20	30	1.8		
70	1.40		1.5		
	1.70	40 TD			
80	1.0	10992 438			
	1.1 ⑫	50			
90	1.60				
	1.60				
300	1.80				
	1.60			① 420	2.0
10	1.50			② 410	2.7
	1.20			③ 400	2.6
20	1.70 ⑨			④ 380	1.4
	1.9			⑤ 360	1.6
30	1.6 ⑧			⑥ 350	2.2
	1.2			⑦ 340	2.1
40	1.2 ⑦			⑧ 330	2.1
	1.6			⑨ 320	2.3
50	1.8 ⑥			⑩ 285	1.3
	1.3			⑪ 245	2.3
60	1.3 ⑤				
	1.0				
70	1.80				
	1.80				
80	1.0 ④				
	1.0				
				11.2 VOLTS	
				16.7 AMPS	
				16.7 OHMS	

DAILY DRILLING REPORT.

LEASE			WELL NO.			CONTRACTOR			RIG NO.			REPORT NO.			DATE																																
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.					BIT NO.					NO. DC					SIZE					LENG.												
SER NO.					STANDS					SERIAL NO.					STANDS					SERIAL NO.					STANDS					SERIAL NO.					STANDS												
SIZE					SINGLES					SIZE					SINGLES					SIZE					SINGLES					SIZE					SINGLES												
TYPE					DOWN ON KELLY					TYPE					DOWN ON KELLY					TYPE					DOWN ON KELLY					TYPE					DOWN ON KELLY												
MAKE					TOTAL DEPTH					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.																																											
FROM		TO		TIME BREAKDOWN												FROM		TO		TIME BREAKDOWN												FROM		TO		TIME BREAKDOWN											
REMARKS -															REMARKS -															REMARKS -																	
0 - 5 SURFACE															130-160 SAND WET															280-290 SANDY SHALE																	
5-20 - SANDY SHALE															160-180 SHALE															290-300 SANDY SHALE																	
20-40 - SHALE															180-190 SANDY SHALE															300-320 SHALE																	
40-50 - SAND DRY															190-205 SAND DRY															320-330 SAND DRY																	
50-70 - SHALE															205-230 SHALE															330-340 SHALE																	
70-80 - SANDY SHALE															230-245 SAND WET															340-360 SANDY SHALE																	
80-90 - SHALE															245-260 SANDY SHALE															360-380 SHALE																	
90-130 - SAND															260-280 SAND															380-390 SANDY SHALE																	
																														390-410 SHALE																	
																														410-420 SANDY SHALE																	
																														420-440 SHALE																	