

1010

26 - 30-039-07167

106 - 30-039-20481

187 - 30-039-20858

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. 1 Twp 27 Rng 6Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #26, #166, #187

cps 1276w

Elevation 6500' Completion Date 9/22/78 Total Depth 380' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. 110' & 290'Depths gas encountered: N/AType & amount of coke breeze used: 46 SACKSDepths anodes placed: 325', 310', 275', 265', 255', 245', 235', 225', 210', 200'Depths vent pipes placed: 340'Vent pipe perforations: 220'Remarks: gb #1

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.

RECEIVED
MAY 31 1991
OIL CON. DIV. 3

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 9-22-78

Well Name <u>5528-6 #26, #166 + #187</u>		Location <u>SW1-27-6</u>		CPS No. <u>1276W</u>	
Type & Size Bit Used <u>6 3/4</u>		Contract # <u>CONTRACT #2</u>		Work Order No. <u>52689-19-55197.19-558202</u>	
Anode Hole Depth <u>380'-365'±0</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>46 bags</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>325</u>	# 2 <u>310</u>	# 3 <u>275</u>	# 4 <u>265</u>	# 5 <u>255</u>	# 6 <u>245</u>
# 7 <u>235</u>	# 8 <u>225</u>	# 9 <u>210</u>	# 10 <u>200</u>		
Anode Output (Amps)					
# 1 <u>2.4</u>	# 2 <u>2.9</u>	# 3 <u>2.8</u>	# 4 <u>3.4</u>	# 5 <u>3.7</u>	# 6 <u>3.8</u>
# 7 <u>3.8</u>	# 8 <u>3.7</u>	# 9 <u>2.8</u>	# 10 <u>3.0</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>11.6</u>	Amps <u>14.2</u>	Ohms <u>.82</u>			

Remarks: STATIC % #26 600'N = .77 #166 600'NE = .73 #187 600'W = .80
DRILLED 380' WITH AIR LOGGED 365' WATER AT 110' AND 290' TOTAL WATER
APPROX 10 A.M. INSTALLED 340' OF VENT PIPE WITH 200' PERFORATED
SLURRED 46 BAGS OF COKE

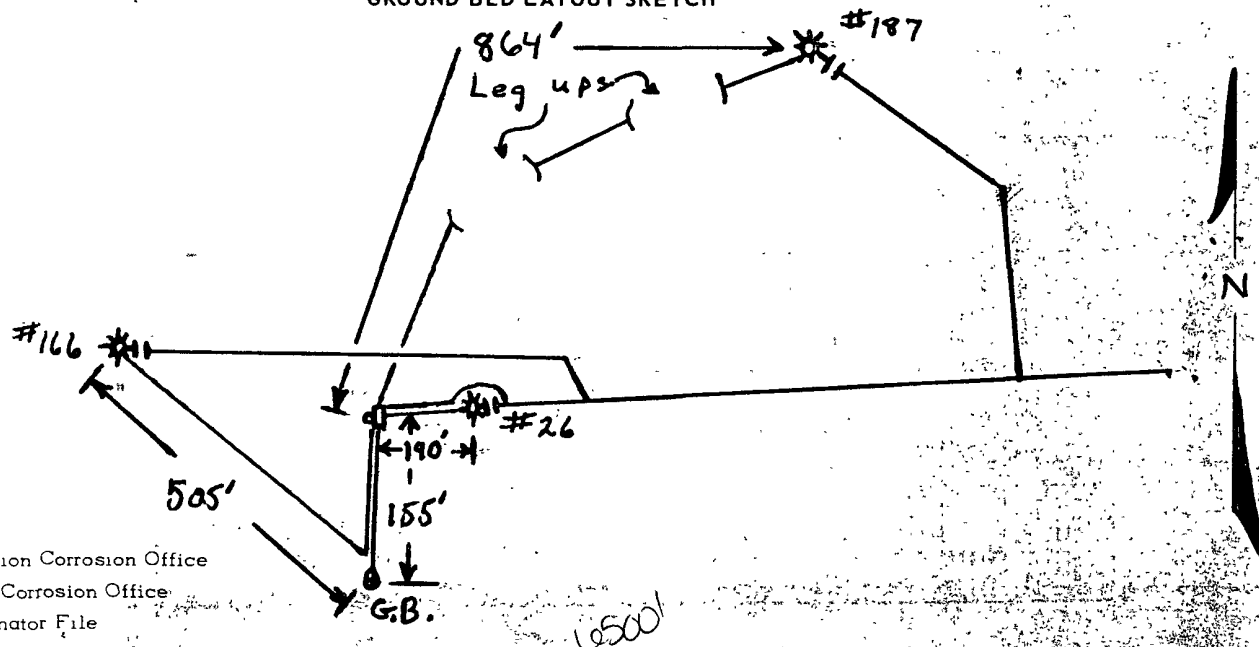
Hole depth = -135
 Cable + Ditch = 1714
 Extra cable = 345

60V 30A Rect.
 20 FT Meter Loop Pole

All Construction Completed

Robert J. Balmick
 (Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 9-22-77
By: RJB
File:

1276 W SW 1-27-6
ST 28-6 #26 52689.19 ST 9/3 600'
ST 28-6 #166 55197.19 ST 9/3 600'
ST 28-6 #187 55820.21 ST 9/3 600'

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

100		300	1.0		
			1.0		
110	1.0	310	1.3 - 2		
	2.0		2.0		
120	2.0	320	1.6		
	2.0		1.2 - 1		
130	2.3	330	.8		
	1.9		.8		
140	1.7	340	.7		
	1.8		.6		
150	1.7	350	.4		
	1.7		.4 -		
160	1.6	360	.4		
	.4		.4 - + 0.365		
170	.3	370			
	.7				
180	1.2	380			
	1.1				
190	1.9				
	1.7				
200	1.4 - 10				
	1.6				
210	1.5 - 9				
	1.4				
220	1.5				
	2.0 - 8				
230	2.3				
	2.1 - 7				
240	2.0				
	1.9 - 6				
250	2.1				
	2.1 - 5				
260	2.0				
	1.9 - 4				
270	1.7				
	1.5 - 3				
280	1.2				
	1.0				
290	.9				
	.8				

DRILLER SAID WATER AT 110' AND 290' TOTAL WATER APPROX 10 GPM - COULDN'T GET WATER SAMPLE DRILLER HAD TO INJECT WATER TO CLEAR LARGE MUD KINGS STOPPING - HITTING STAIN
 DRILLED 380' LOGGED 365' INSTALLED 340' VENT PIPE PERFORATED 200
 Hole depth = 135
 Cable & Ditch = 1714
 EXTRA CABLE = 345
 600 30A RECT
 20 FT meter Loop Pole

① 325 - 1.5 - 2.4
 ② 310 - 1.8 - 2.9
 ③ 275 - 1.6 - 2.8
 ④ 265 - 2.0 - 3.4
 ⑤ 255 - 2.1 - 3.7
 ⑥ 245 - 2.1 - 3.8
 ⑦ 235 - 2.2 - 3.8
 ⑧ 225 - 2.2 - 3.7
 ⑨ 210 - 1.6 - 2.8
 ⑩ 200 - 1.7 - 3.0

total 11.6 V / 4.2 A = .82 ohms

total 11.6 V 14.2 A = .82 ohms

LEASE	1976 w	WELL NO.	1976 w	CONTRACTOR	O'Brien Drilling	RIG NO.	1	REPORT NO.		DATE	Sept 22, 1978
MORNING						DAYLIGHT				EVENING	

Company Supervisor