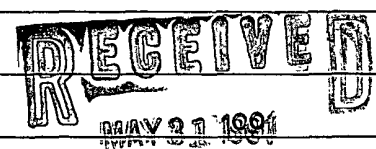


E

796 3A-30-045-21770
5-30-045-24143

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

Operator MERIDIAN OIL Location: Unit SE Sec. 31 Twp 31 Rng 8
Name of Well/Wells or Pipeline Serviced HOWELL D #3A, #5
cps 1094w
Elevation 6362' Completion Date 9/24/85 Total Depth 530' 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. DAMP 150'-160'
Depths gas encountered: N/A
Type & amount of coke breeze used: N/A
Depths anodes placed: 520', 505', 480', 465', 455', 440', 425', 415', 400', 355'
Depths vent pipes placed: N/A
Vent pipe perforations: N/a
Remarks: qb # 2



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).

**REDRILL GB #2**Completion Date **9/24/85**

CPS #		Well Name, Line or Plant		Work Order #		Static:		Ins Union Check	
1094W		HOWELL D 3A		5				☐ Good ☐ Bad	
Location		Anode Size		Anode Type		Size Bit			
SE 31-31-8		2" x 60"		DURIRON		6 3/4"			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
530'		530'							
Anode Depth									
# 1	520	# 2	505	# 3	480	# 4	465	# 5	455
# 6	440	# 7	425	# 8	415	# 9	400	# 10	355
Anode Output (Amps)									
# 1	1.8	# 2	2.7	# 3	2.2	# 4	3.5	# 5	3.8
# 6	2.8	# 7	2.4	# 8	2.8	# 9	2.3	# 10	2.5
Anode Depth									
# 11		# 12		# 13		# 14		# 15	
Anode Output (Amps)									
# 11		# 12		# 13		# 14		# 15	
Total Circuit Resistance						No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 12.2		Amps 12.8		Ohms .95					

Remarks: *Jump 150-160'. Set anode right. Blow mud balls next
Hole started. Basting up & started injecting at 32*

Rectifier Size: _____ V $\pm$ $30' \times 8.75 = 262.50$
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: _____
 Ditch & 1 Cable: $130' \times 1.35 = 175.5$
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____

All Construction Completed

B.T.
(Signature)

GROUND BED LAYOUT SKETCH

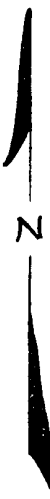
4740.00
 262.50
 175.50
 # 5178.00
 300.00 $\pm$ box
 # 5478.00

GB #1

 GB #2

 6362

RECT.
 1094W



EL PASO NATURAL GAS COMPANY
C INSTRUCTION LOGGING READINGS

CPS #: 1094W WELL NAME: HOWELL D #3A LOCATION: SE31-31-8 DATE: 9/24/85

TOTAL VOLTS: 12.2 TOTAL AMPS: 12.8 OHMS RESISTANCE: .95

												ANODE READINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185			365	1.0		545			1	520	1.0	1.8
10			190			370	.8		550			2	505	1.5	2.7
15			195			375	.8		555			3	480	1.3	2.2
20			200			380	.7		560			4	465	1.6	3.5
25			205			385	.6		565			5	455	1.9	3.8
30			210			390	.5		570			6	440	1.7	2.8
35			215			395	.3		575			7	425	1.3	2.4
40			220		4	400	.9		580			8	415	1.4	2.8
45			225			405	1.8		585			9	400	1.4	2.3
50			230			410	1.9		590			10	355	1.7	2.5
55			235		8	415	1.5		595						
60			240			420	1.5		600						
65			245		7	425	1.3		605						
70			250			430	.9		610						
75			255			435	.7		615						
80			260		6	440	1.6		620						
85			265			445	1.5		625						
90			270			450	1.8		630						
95			275		5	455	1.7		635						
100			280	.2		460	1.8		640						
105			285	.2	4	465	1.6		645						
110			290	.2		470	1.3		650						
115			295	.2		475	1.2		655						
120			300	.3	3	480	1.0		660						
125			305	.6		485	.8		665						
130			310	1.2		490	.5		670						
135			315	1.2		495	.4		675						
140			320	.8		500	.2		680						
145			325	1.2	2	505	.9		685						
150			330	.5		510	2.0		690						
155			335	.4		515	1.3		695						
160			340	.4	1	520	1.0		700						
165			345	.8		525	.6		705						
170			350	1.5		530			710						
175		10	355	1.5		535			715						
180			360	1.6		540			720						

REMARKS: Temp at 150'-160'. Set over night. Blew mud balls new AM No water sample. Hole started, basting up & started injecting at 320'

REPORT NO. 2

Company Supervisor

SIGNED: Toolpusher

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 5-12-77

Well Name EPNG Howell J #3A				Location SE 11-30-8				CPS No. 1095W	
Type & Size Bit Used								Work Order No. 57095	
Anode Hole Depth		Total Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth									
# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	
Anode Output (Amps)									
# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	
Anode Depth									
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	
Anode Output (Amps)									
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	
Total Circuit Resistance				No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			
Volts	Amps	Ohms	810'						

Remarks: Installed Pipe Gnd Bed 425.40' of 20" OD
Installed Neg Cables for Flowline & Well
Installed Rectifier Pole
480 lbs of Calcium Chloride

All Construction Completed

W Z Lowe
(Signature)

GROUND BED LAYOUT SKETCH

