

2 = 30-045-09519
300 = 30-045-26918

3562

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit A Sec. 14 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL E #2, #300

cps 2096w

Elevation 5704' Completion Date 6/14/77 Total Depth 380' Land Type* N/A

Casing, Sizes, Types & Depths 36' OF 8 5/8" JUNK CASING

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. 195'

Depths gas encountered: N/A

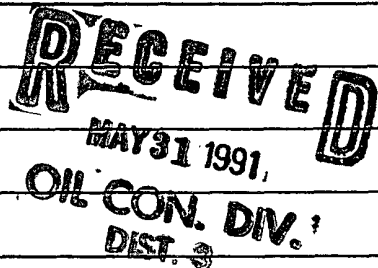
Type & amount of coke breeze used: N/A

Depths anodes placed: 275', 265', 255', 245', 235', 225', 215', 205'

Depths vent pipes placed: 275'

Vent pipe perforations: 100'

Remarks: gb #4



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). ☐

#300

Completion Date 6-14-77

Well Name Howell E #2		Location NE 14-30-8		CPS No. 17W 2094	
Type & Size Bit Used 6 3/4"				Work Order No. 52029	
Anode Hole Depth 380-298	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	275'	265'	255'	245'	235'
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	3.1	3.2	5.2	5.0	3.6
Anode Depth	# 6	# 7	# 8	# 9	# 10
	225'	215'	205'		
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	2.6	3.7	4.7		
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 12.3		Amps 15		Ohms 0.82
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

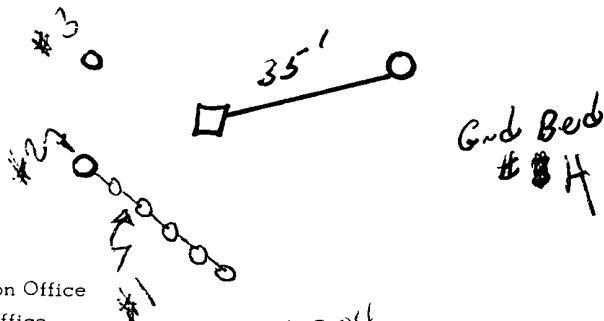
Remarks: 5- Anode Gnd. Bed. Added 3 EXTRA Anodes Installed 36' of 8 5/8" Junk Casing. Charged 46' of 8 5/8" Junk Casing. Driller said started making water @ 195'. Did not have to try. Next AM water standing @ 50'. Logged Hole. Logging Anode stopped @ 298'. Perforated 100' of 1" PVC Vent Pipe. Installed 275' of 1" PVC Vent Pipe. Shipped 46 SACKS of COKE

All Construction Completed

W. Z. Lueders

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

5704

Howells E #2 NE 14-30-8

52029

17 W

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.82
58	IC ₄ 12.38
72	NC ₄ 11.83
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	GA 15.57
142	IC ₇ 17.2
156	C ₇ 17.46
170	C ₈ 19.38
184	C ₉ 19.44
198	C ₁₀ 19.67

MW	MISC	gas/mol
44	CO ₂	0.28
34	H ₂ O	5.17
28	N ₂	4.16
2	H ₂	1.38

46' of Junk Pipe
Set 36' of 8 5/8" O.D. casing
started making water @ 195'
Driller did not have to inj.
Perforated 100' of 1" PVC vent pipe
Installed 225' of 1" PVC vent pipe
Next fm water standing @ 50'

100	2.1	40	2.4
	2.2		2.3 (4)
10	2.2	50	1.8
	2.8		1.2 (3)
20	2.4	60	1.4
	1.8		1.3 (2)
30	1.6	70	1.9
	1.5		1.7 (1)
40	1.5	80	1.4
	1.5		1.3
50	1.7	90	1.6
	1.8		2.98 T.O
60	1.5	300	
	1.3		
70	1.3	10	
	1.3		
80	1.3	20	
	1.4		
90	1.6	30	
	1.6		
200	2.4	40	
	1.4 (8)		
10	1.4	50	
	1.3 (7)		
20	1.2	60	
	1.9 (6)		
30	1.6	70	
	2.4 (5)		

380 balled 298
Slurried 46 SACKS
of COKE

(1) 235 - 2.0 - 3.1
(2) 235 - 2.0 - 3.2
(3) 255 - 3.5 - 5.2
(4) 245 - 3.3 - 5.0
(5) 235 - 2.2 - 3.6
(6) 235 - 1.5 - 2.6
(7) 210 - 1.9 - 3.7
(8) 205 - 3.0 - 4.7

12.3 Volts 15 Amps 0.82 n

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

____ Company Supervisor