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1A-30-045-21778

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. 1 Twp 29 Rng 8Name of Well/Wells or Pipeline Serviced HOWELL C #1A

cps 1086w

Elevation 6208' Completion Date 6/22/77 Total Depth 440' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. WET AT 200'Depths gas encountered: N/AType & amount of coke breeze used: 56 SACKSDepths anodes placed: 400', 390', 380', 370', 360', 322', 314', 306', 298', 290'Depths vent pipes placed: 400' OF 1" PVC VENT PIPEVent pipe perforations: 220'Remarks: gb. #1**RECEIVED**
MAY 31 1991

OIL & GAS DIV

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 6-22-77

Well Name <u>Howell C #1A</u>		Location <u>SE1-29-8</u>		CPS No. <u>1086W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57051</u>	
Anode Hole Depth <u>440-416</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>400</u>	# 2 <u>390</u>	# 3 <u>380</u>	# 4 <u>370</u>	# 5 <u>360</u>	# 6 <u>322</u>
# 7 <u>314</u>	# 8 <u>306</u>	# 9 <u>298</u>	# 10 <u>290</u>		
Anode Output (Amps)					
# 1 <u>3.1</u>	# 2 <u>3.3</u>	# 3 <u>3.0</u>	# 4 <u>3.0</u>	# 5 <u>2.7</u>	# 6 <u>3.1</u>
# 7 <u>4.0</u>	# 8 <u>4.1</u>	# 9 <u>3.5</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					
Volts <u>11.8</u>	Amps <u>14.0</u>	Ohms <u>0.84</u>			
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

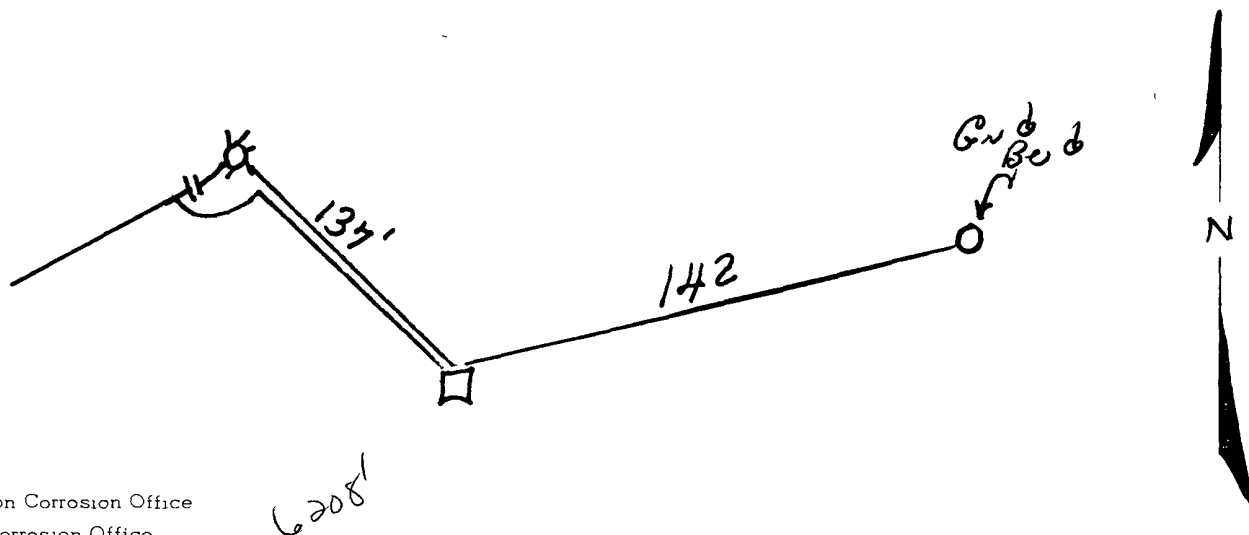
Remarks: DRILLER SAID wet @ 200'. STARTED MAKING WATER @ 220'. After 30 minutes water standing @ 220'. Did not have to inj.
PERFORATED 220' of 1" PVC Vent Pipe. Installed 400' of 1" PVC Vent Pipe.
Slurried 56 SACKS of COKE

Static 0.81 600' west

All Construction Completed

W. F. Luth
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

____ Company Supervisor.

Howells C-14

SE -39-2

Static 5.8' 500'

1086W

54051

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
72	IC ₄ 13.95
72	NC ₄ 13.91
86	IC ₅ 15.90
86	CA 15.57
100	IC ₆ 17.2
114	C ₇ 17.86
114	C ₈ 19.38
128	C ₉ 19.84
142	C ₁₀ 16.67

DRILLER said wet @ 220'
water 5' 200' water 30'
water 220' 1' 1/2 vent pipe
water 400' 1' 1/2 vent pipe
standard 56 inches at 500'

20	20	350	1.4		
			.5		
10		60	1.2-50		
			1.5		14.8
20	3	20	1.5-40		
			1.3		
30	2	80	1.2-50		
			5		
40	4	90	1.5-20	① 400-1.9	3.1
			1.4	② 390-1.7	3.3
50	4	400	1.6-①	③ 280-1.4	3.0
	5		1.7	④ 270-1.7	3.0
50	2	10	1.7	⑤ 260-1.4	2.7
				⑥ 222-1.5	3.1
50	4	20		⑦ 214-1.9	4.0
	5			⑧ 206-1.9	4.1
70	8	30		⑨ 298-1.5	3.5
	5			⑩ 290-1.2	3.0
70	1.1	⑩	40		
	1.3				
300	1.5-⑦			11.8 volts 14.4 amps	0.84 W
	1.6-				
10	1.6-⑧				
	1.7-⑨				
20	1.5				
	1.2-⑥				
30	1.8				
	.6				
20	.6				
	.6				

MW	MISC	gas/mol
44	CO ₂	9.38
28	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38

290-10
98-4
14-5
14-7
22-10