

30-045-10268

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. 29 Twp 31 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL d #2

cps 243w

Elevation 6545' Completion Date 8/29/70 Total Depth 480' 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. N/A

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST. 3

Type & amount of coke breeze used: 42 SACKS

Depths anodes placed: 440', 430', 345', 335', 295', 275', 215', 205', 145', 135'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: qb #2 FIRST HOLE CAVED. ANODES #5 & #6 ARE SINGLE, ALL OTHERS ARE

TENDEM.

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

No 2 Ground Bed
Contract By CPS.

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Drilling Log (Attach Hereto). ☐

Completion Date 8-29-70

Well Name Howell D#2		Location SW 29-31-8		CPS No. 243W	
Type & Size Bit Used 6 3/4				Work Order No. 184-52023-50-20	
Anode Hole Depth 480'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 440	# 2 430	# 3 345	# 4 335	# 5 295	# 6 275
# 7 215	# 8 205	# 9 145	# 10 135		
Anode Output (Amps)					
# 1 1.5	# 2 1.5	# 3 3.0	# 4 3.0	# 5 1.8	# 6 1.4
# 7 3.1	# 8 3.1	# 9 5.4	# 10 5.4		
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		
Volts 12.0 Amps 12.0 Ohms 1.0			No. 2 C.P. Cable Used		

Remarks: **Air to 120' Wet at 70-**

Hole Caved, Removed 5 Anodes & Pump Hose - Moved Rig Back used 15 sacks quick Gel (750 lbs) - (Condensed 4 Anodes Insulation Damage) Pump 42 coke - Slurry 43 -

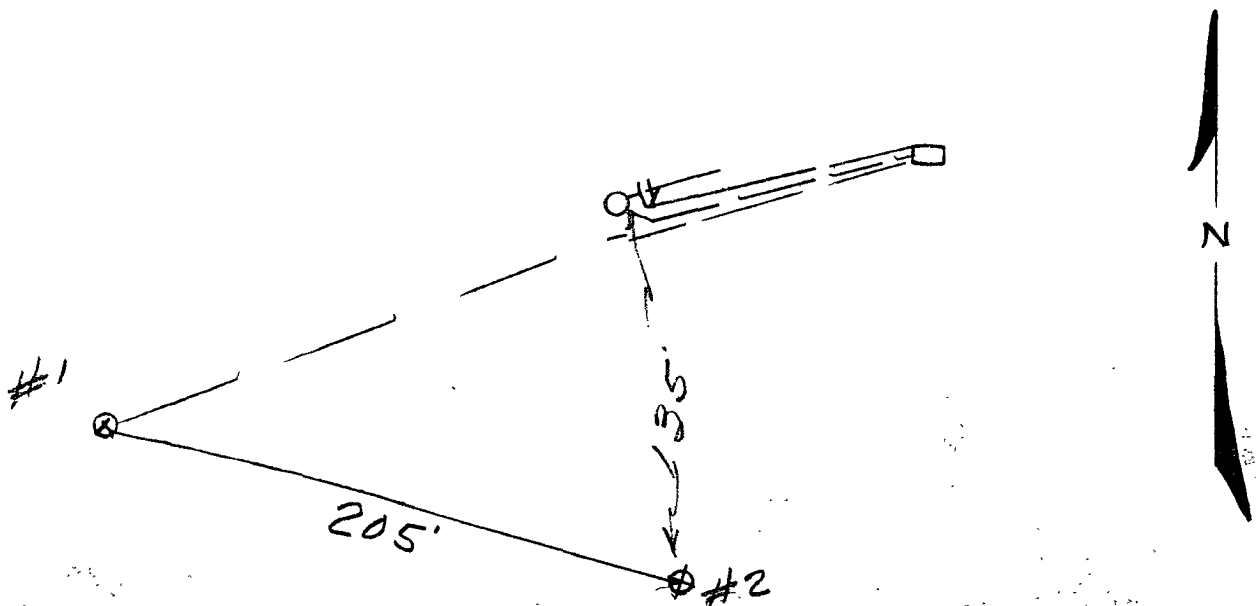
Anodes 5 & 6 are single - all others Tandem -

All Construction Completed

[Handwritten Signature]

(Signature)

GROUND BED LAYOUT SKETCH



243W Air-to 120-wet at 70

MW	gas/mol
16	C ₁ 0.4
30	C ₂ 0.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	C ₆ 15.57
142	IC ₇ 17.2
156	C ₇ 17.46
170	IC ₈ 19.38
184	C ₈ 19.64
198	IC ₉ 21.57

MW	MSC	gas/mol
44	CO ₂	0.38
34	H ₂ O	5.17
28	N ₂	4.16
2	H ₂	1.38

100	.6	80	1.5	60	.9		
	1.00		1.3				
16	1.00	90	1.4	70			
	1.6		1.5				12.0 A
20	1.85	300	1.2	80			12.0 V
	1.7		1.0				
30	1.4	10	1.0			1 4 40	.8 - 1.5
	2.2		1.0			2 4 30	
40	2.5	20	1.0			3 3 40	2.5 - 3.0
	2.2		1.5			4 3 30	
50	1.5	30	1.8			5 2 9 5	1.4 - 1.8
	.9		2.3			6 2 7 5	1.0 - 1.4
60	.8	40	2.4			7 2 1 5	2.4 - 3.1
	.8		1.8			8 2 0 5	
70	1.3	50	1.2			9 1 4 5	4.2 - 5.4
	1.00		.8			10 1 3 5	
80	1.1	60	.7				
	1.2		.5				
90	1.2	70	.6				
	1.2		.6				
200	1.6	80	.7				
	1.8		.7				
10	2.0	90	.8				
	1.8		1.2				
20	1.2	400	1.6				
	1.0		1.0				
30	1.0	10	1.0				
	.9		1.0				
40	.9	20	1.0				
	.9		1.3				
50	.6	30	2.0				
	.7		2.0				
60	.8	40	1.9				
	.9		1.6				
70	1.0	50	1.3				
	1.5		1.0				