

30-045-07804 4538

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. 28 Twp 29 Rng *

Name of Well/Wells or Pipeline Serviced HARDIE B #1

cps 99w

Elevation 6379' Completion Date 4/16/74 Total Depth 660' 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. HOLE #1 - 460'

Depths gas encountered: N/A

Type & amount of coke breeze used: 11600 lbs.

Depths anodes placed: 630', 620', 610', 600', 590', 580', 570', 560', 530', 520'

Depths vent pipes placed: N/A

Vent pipe perforations: 600'

Remarks: gb #2 LOST HOLE #1.

RECEIVED

MAY 31 1991

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

Logged

Drilling Log (Attach Hereto). ☐

Completion Date 4/16/74

Well Name Hardie B #1		Location SW 28 - 29N - 8W		CPS No. 99W	
Type & Size Bit Used 6 3/4				Work Order No. 184-52271.19-50-2	
Anode Hole Depth 660'	Total Drilling Rig Time	Total Lbs. Coke Used 11,600 lbs EST	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 630	# 2 620	# 3 610	# 4 600	# 5 590	# 6 580
# 7 570	# 8 560	# 9 530	# 10 520		
Anode Output (Amps)					
# 1 2.7	# 2 2.7	# 3 2.0	# 4 2.2	# 5 2.7	# 6 2.7
# 7 2.8	# 8 1.8	# 9 2.7	# 10 2.0		
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 11.7	Amps 10.0	Ohms 1.17	310'		

Remarks: Drilled Hole #1 To ~~460~~ 500' Driller said water AT 460' lost logging Anode in Hole. Hole #2 Drilled To 370' with Air, lost circulation Drill pipe wet and muddy @ 90'-100'. Switch To Mud Drilled To 660. Possible water zone at 460' as indicated by Hole #1. Vent Hose Perforated 660'

All Construction Completed

3409.00

Pay 655 TD

1162.50 Extra Depth

122.00 cable

GROUND BED LAYOUT SKETCH

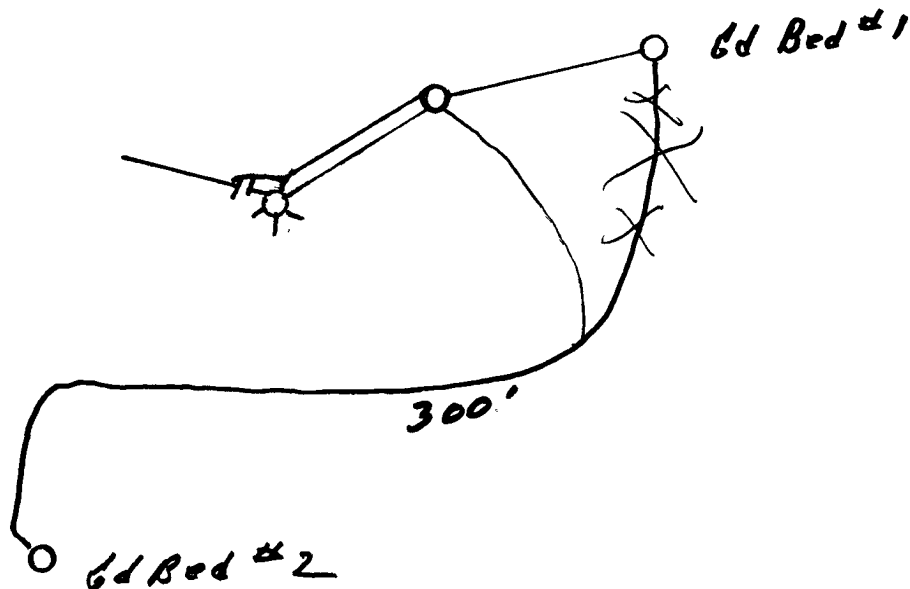
○ Hole #1

E. R. Paulk
(Signature)

4693.50

187.74 Tax

4881.24



FORM
Water Well Drilling
 14991 WEST 44TH AVE.
 GOLDEN, COLORADO 80401
 278-9505

97W

Drill 670

Date 4/16/74

Owner _____

Location
City _____

State _____

County _____

From	To	Formation	Color	Hardness
0	40	Sand	Brown	Soft
40	50	Shale	Gray	Soft
50	200	Sand	Brown	Soft
200	230	Shale	Gray	Soft
230	320	Sand	Gray	Soft
320	350	Sand	Gray	Med
350	560	Shale	Gray	Med

logged at 370 for water
no water

Ran log at 560 and Drilled
Deeper. To 660

Total Hours - - - - -

Equipment Down Time - - - - -

Hours Drilling - - - - -

Time Started on Job - - - - -

Time Quit on Job - - - - -

Daily Mileage on
St. H-Ws to & from - - - - -

Materials Used--Rock Bits, Casing & Etc.

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.5
44	C ₃ 10.4
58	IC ₄ 12.5
72	NC ₄ 11.9
86	NC ₅ 13.8
100	NC ₆ 15.5
114	NC ₇ 17.2
128	NC ₈ 19.3
142	NC ₉ 21.4

MW	MISC	gas/mol
44	CO ₂	6.38
30	H ₂ S	1.17
28	N ₂	4.16
2	H ₂	3.38

370	.8		50	.7	1.0 #2 Drilled To 580'
	.8			.8	1.0 .8 4-15-74 water standing
80	.6		60	1.2	1.3 1.2 @ 370' (Drilled with
	.5				1.8 1.5 Mud From 370' To 580'
90	.6		70		1.8 2.1 1.8 Hole #1 Drilled with
	.7				1.9 1.5 Air To 460' Drilled
400	.8		80		1.9 1.6 said water @ 460'
	.8				1.9 1.6 lost logging annode
10	1.0		90		1.5 1.4 in Hole Move To
	.7				1.3 1.2 Hole #2
20	.8		600		1.3 1.2 Vent Hose Perforated 60
	.7				1.2 1.1 Coke Breeze 1/2 600 lbs
30	.8		10		1.1 1.0
	.8				1.0 1.0
40	1.0		20		1.7 1.4
	1.0				1.8 1.4
50	1.1		30		1.7 1.4
	1.0				2.2 1.8
60	1.0		40		2.2 1.8
	1.0				1.7 646 Bottom
70	1.0		50		1.6 651 Bottoms
	1.2				
80	1.1		60		Water Coke
	1.4				1 530 1.9 2.7
90	1.6				2 520 2.2 2.7
	1.5				3 510 1.4 2.0
500	1.0				4 600 1.5 2.2
	.9				5 590 2.2 2.7
10	.9				6 580 1.9 2.7
	.9				7 570 2.0 2.8
20	1.6				8 560 1.4 1.8
	1.5				9 530 2.0 2.7
30	1.8				10 520 1.4 2.0
	1.8				
40	.7				11.7V 10.0A 1.17A
	.6				
	.8				