

30-045-22829

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 26 Twp 29 Rng 8

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

cps 1338w

Elevation 6727' Completion Date 8/17/79 Total Depth 490' 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. 245' TO 260'

Depths gas encountered: N/A

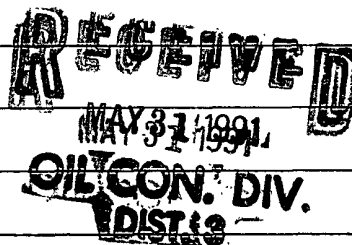
Type & amount of coke breeze used: N/A

Depths anodes placed: 390', 380', 370', 360', 350', 340', 330', 320', 310', 300'

Depths vent pipes placed: 500'

Vent pipe perforations: 400'

Remarks: gb #1; CAVITY AT 230 TO 235'



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

8 Hrs Reg
3 v. O.T.

CONTRACT #2

Drilling Log (Attach Hereto). ☐

2" x 60" DUREXON

Completion Date 8-17-76

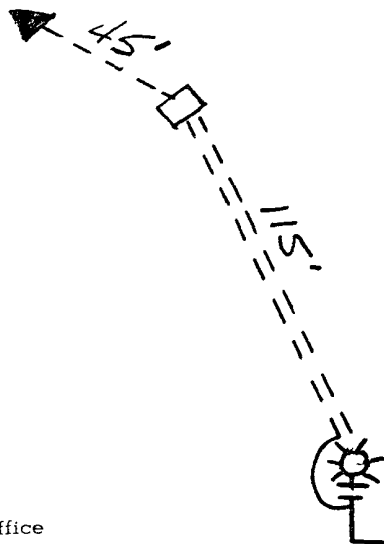
Well Name HARDIEA-1A		Location NW 26-29-8		CPS No. 1338W						
Type & Size Bit Used 6 3/4"		STATIC = .84		Work Order No. 57284-21						
Anode Hole Depth 490'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used						
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
	390	380	370	360	350	340	330	320	310	300
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
	4.3	4.7	4.2	4.0	3.4	3.7	4.1	5.0	4.1	4.2
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 11.6		Amps 14.2		Ohms .81		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

Remarks: Driller advised good water sand 245-260' set over night at 300' unable to flow enough for sample of water because of cavity at 230 to 235' when filled hole to log cased well fill above 250' 500' 1" PVC vent pipe 400' perforated

All Construction Completed

B.T.
(Signature)

GROUND BED LAYOUT SKETCH



20' METER POLE
40/16 RECT
DITCHY CABLE 160'
EXTRA CABLE 135'

DISTRIBUTION:

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

6781

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE

19

MORNING

DAYLIGHT

EVENING

Driller					Driller					Driller				
Total Men In Crew					Total Men In Crew					Total Men In Crew				
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SER. NO.		STANDS			SER. NO.		STANDS			SER. NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH		

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			
						60	70		Shale								
						70	135		Sand								
						135	140		Shale								
						140	230		Sand								

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	3	Surface	230	235	Blind	385	415	Sandy Shale
3	10	Sandstone	235	260	Sand wet	415	430	Very Sandy Shale
10	20	Shale	260	285	Shale	430	447	Sandstone
20	35	Sandstone	285	303	Sandstone	447	452	Shale Sandy
35	50	Shale	303	358	Shale	452	462	Sand
50	60	Sand	358	385	Sandstone	462	500	Very Sandy Shale

REMARKS -			REMARKS -			REMARKS -		

SIGNED: Toolpusher

Posey - T.O.

Company Supervisor

STATIC = .84

13-38 W

HARDIE A #1 A

NW-26-29-8

57284-

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

Driller advised good water sandy 245'-260'
 but overnight at 300' unable to flow enough
 water for sample because of cavity 230 to 235'.
 When filled back to log could only fill to 250'.
 500' 1" PVC vent perforated 300'.

Drilled 500' Logged 4

200

11.6 V 14.2 A = .81 n

5	5	2.7	5	1.2
10	10	2.3 - ⑨	10	.7
15	15	2.5	15	.6
20	20	2.7 - ⑧	20	.6
25	25	3.0	25	.7
30	30	2.6 - ⑦	30	.5
35	35	2.5	35	.5
40	40	2.4 - ⑥	40	.5
45	45	2.3	45	.5
50	50	2.1 - ⑤	50	.5
55	55	2.0	55	.5
60	60	1.9 - ④	60	.5
65	65	2.0	65	.5
70	70	2.3 - ③	70	.8
75	75	2.4	75	.8
80	80	2.6 - ②	80	1.1
85	85	2.6	85	1.7
90	90	3.0 - ①	90	TD
95	95	1.7	95	
300	300	1.3	500	

1 =	390	2.7	4.3
2 =	380	2.6	4.7
3 =	370	2.5	4.2
4 =	360	2.2	4.0
5 =	350	2.0	3.4
6 =	340	2.2	3.7
7 =	330	2.5	4.1
8 =	320	3.1	5.0
9 =	310	2.6	4.1
10 =	300	2.7	4.2