

1290

E

30-045-23851

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. 12 Twp 28 Rng 8

Name of Well/Wells or Pipeline Serviced HARDIE D #1A
cps 1559w

Elevation 6410' Completion Date 8/12/81 Total Depth 500' 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. 180'

Depths gas encountered: N/A

Type & amount of coke breeze used: 5940 lbs.

Depths anodes placed: 460', 452', 440', 433', 415', 360', 350', 300', 290',

Depths vent pipes placed: 495',

Vent pipe perforations: 325'

Remarks: gb #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

Drilling Log (Attach Hereto) ☐

Completion Date 8-12-81

2x60 Anodes

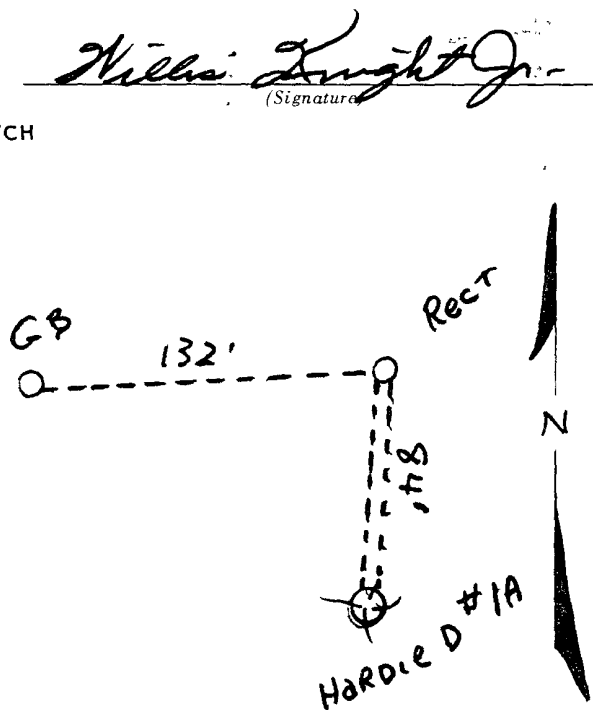
Well Name <u>HARDIE D#1A</u>		Location <u>SE12-28-8</u>		CPS No. <u>1559W</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>57644-21</u>	
Anode Hole Depth <u>500' 1099ed - 495'</u>		Total Drilling Rig Time		Total Lbs. Coke Used <u>5940</u>	
				Lost Circulation Mat'l Used	
				No. Sacks Mud Used	
Anode Depth	# 1 <u>460</u>	# 2 <u>452</u>	# 3 <u>440</u>	# 4 <u>433</u>	# 5 <u>415</u>
	# 6 <u>360</u>	# 7 <u>350</u>	# 8 <u>300</u>	# 9 <u>290</u>	# 10 <u>280</u>
Anode Output (Amps)	# 1 <u>2.2</u>	# 2 <u>2.5</u>	# 3 <u>2.3</u>	# 4 <u>3.0</u>	# 5 <u>1.8</u>
	# 6 <u>2.0</u>	# 7 <u>2.3</u>	# 8 <u>1.9</u>	# 9 <u>2.4</u>	# 10 <u>2.2</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>12.0</u>		Amps <u>11.4</u>		Ohms <u>1.052</u>
				No. 8 C.P. Cable Used	
				No. 2 C.P. Cable Used	

Remarks: STATIC 600' SE .82 UNIONS OK
DRILLER Said wet at 180' DRILLED TO 200'. Next A.M. could NOT
BLOW WATER out of hole, BUT Kelly had mud on it. INSTALLED
495' of 1" VENT PIPE. PERFORATED 325' of VENT PIPE. STURRY
5940 lbs. of COKE Breeze. Did NOT get WATER sample

All Construction Completed

1 40V16A Rect ✓
1 20' meter Pole ✓
DITCH + 1 Cable - 216' ✓
EXTRA cable - 104' ✓
Hole Depth - 5' ✓

GROUND BED LAYOUT SKETCH



Date	Reg. Time	O. Time
8-12-81	8 hrs	2 hrs. ✓
	8 hrs	

DISTRIBUTION:

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

6410

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
 Date: 8-12-5
 By: WR
 File:

HARDIE D#1 A
 SE12-28-8
 UPS 1559 W

STATIC 600' SE .32
 W/O 57644-21

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

1 40V16A Rect
 1 20' meter Pole
 Ditch & 1 cable - 216'
 Extra cable - 104'
 Hole Depth - 5'

DRILLER Said wet at 180'
 DRILLED TO 200'. Next A.M.
 Could not Blow Water, but
 had mud on Kelly.
 Installed 495' of 1" VENT PIPE
 Perforated 325' of VENT PIPE
 Slurried 5940 lbs of coke
 DID NOT Get WATER Sample

180	30	60	80	50
85	35	60	85	160
90	40	60	90	70
95	45	120	95	70
200	50	110	500 TD	1099' 495'
05	55	100		
10	60	100		
15	65	180		
20	70	70		
25	75	60		
30	80	50		
35	85	60		
40	90	60		
45	95	60		
50	100	60		
55	105	60		
60	110	60		
65	115	60		
70	120	60		
75	125	60		
80	130	60		
85	135	60		
90	140	60		
95	145	60		
100	150	60		
105	155	60		
110	160	60		
115	165	60		
120	170	60		
125	175	60		
130	180	60		
135	185	60		
140	190	60		
145	195	60		
150	200	60		
155	205	60		
160	210	60		
165	215	60		
170	220	60		
175	225	60		
180	230	60		
185	235	60		
190	240	60		
195	245	60		
200	250	60		
205	255	60		
210	260	60		
215	265	60		
220	270	60		
225	275	60		
230	280	60		
235	285	60		
240	290	60		
245	295	60		
250	300	60		
255	305	60		
260	310	60		
265	315	60		
270	320	60		
275	325	60		
280	330	60		
285	335	60		
290	340	60		
295	345	60		
300	350	60		
305	355	60		
310	360	60		
315	365	60		
320	370	60		
325	375	60		
330	380	60		
335	385	60		
340	390	60		
345	395	60		
350	400	60		
355	405	60		
360	410	60		
365	415	60		
370	420	60		
375	425	60		
380	430	60		
385	435	60		
390	440	60		
395	445	60		
400	450	60		
405	455	60		
410	460	60		
415	465	60		
420	470	60		
425	475	60		
430	480	60		
435	485	60		
440	490	60		
445	495	60		
450	500	60		
455	505	60		
460	510	60		
465	515	60		
470	520	60		
475	525	60		
480	530	60		
485	535	60		
490	540	60		
495	545	60		
500	550	60		
505	555	60		
510	560	60		
515	565	60		
520	570	60		
525	575	60		
530	580	60		
535	585	60		
540	590	60		
545	595	60		
550	600	60		
555	605	60		
560	610	60		
565	615	60		
570	620	60		
575	625	60		
580	630	60		
585	635	60		
590	640	60		
595	645	60		
600	650	60		
605	655	60		
610	660	60		
615	665	60		
620	670	60		
625	675	60		
630	680	60		
635	685	60		
640	690	60		
645	695	60		
650	700	60		
655	705	60		
660	710	60		
665	715	60		
670	720	60		
675	725	60		
680	730	60		
685	735	60		
690	740	60		
695	745	60		
700	750	60		
705	755	60		
710	760	60		
715	765	60		
720	770	60		
725	775	60		
730	780	60		
735	785	60		
740	790	60		
745	795	60		
750	800	60		
755	805	60		
760	810	60		
765	815	60		
770	820	60		
775	825	60		
780	830	60		
785	835	60		
790	840	60		
795	845	60		
800	850	60		
805	855	60		
810	860	60		
815	865	60		
820	870	60		
825	875	60		
830	880	60		
835	885	60		
840	890	60		
845	895	60		
850	900	60		
855	905	60		
860	910	60		
865	915	60		
870	920	60		
875	925	60		
880	930	60		
885	935	60		
890	940	60		
895	945	60		
900	950	60		
905	955	60		
910	960	60		
915	965	60		
920	970	60		
925	975	60		
930	980	60		
935	985	60		
940	990	60		
945	995	60		
950	1000	60		
955	1005	60		
960	1010	60		
965	1015	60		
970	1020	60		
975	1025	60		
980	1030	60		
985	1035	60		
990	1040	60		
995	1045	60		
1000	1050	60		

Hardie D^{ff} A CRS 1559 W

DATE Dec 17 1981

DAYLIGHT

EVENING

Total Men In Crew

	NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____
BIT NO.	NO. DC _____ SIZE _____ LENG. _____	BIT NO.	NO. DC _____ SIZE _____ LENG. _____	BIT NO.	NO. DC _____ SIZE _____ LENG. _____
S _____ AL NO.	STANDS _____	SERIAL NO.	STANDS _____	SERIAL 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 _____

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	250	Sandy shale	480	500	Sand			
250	300	Sandy shale						
300	340	Shale						
340	380	Shale						
380	430	Sand						
430	480	Shale						

REMARKS -

REMARKS -	
Water 180	$\frac{1}{2}$ Gallon Min
Killed 500	TD 495

SIGNED: Toolpusher

Company Supervisor _____