

1A- 30-045-22830

2- 30-045-21513

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. 28 Twp 29 Rng 8

Name of Well/Wells or Pipeline Serviced HARDIE B #1A, #2

cps 1339w

Elevation 6398' Completion Date 5/31/79 Total Depth 550' 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. NO WATER

Depths gas encountered: N/A

Type & amount of coke breeze used: 6000 lbs.

Depths anodes placed: 475', 380', 350', 290', 280', 270', 260', 250', 240', 230'

Depths vent pipes placed: 520'

Vent pipe perforations: 400'

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

Log (Attach Hereto). ☐

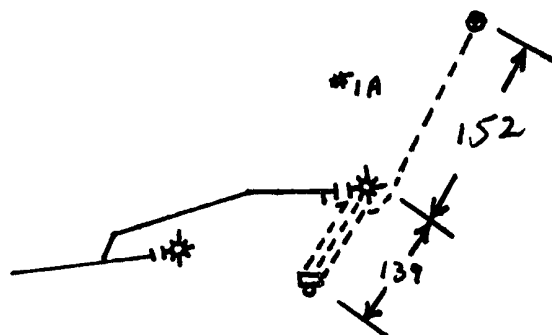
Completion Date 5-31-79

Well Name HARDIE B #1A & #2		Location NW 28-29-8		CPS No. 1339W	
Type & Size Bit Used 6 3/4		2" x 60" Duriron		Work Order No. 57288.21 & 56711.21	
Anode Hole Depth 550-545 TD	Total Drilling Rig Time	Total Lbs. Coke Used 6,000	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth #1 475 #2 380 #3 350 #4 290 #5 280 #6 270 #7 260 #8 250 #9 240 #10 230					
Anode Output (Amps) #1 2.2 #2 1.9 #3 1.9 #4 3.7 #5 4.5 #6 4.4 #7 3.8 #8 4.2 #9 5.4 #10 5.1					
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 11.8 Amps 13.9 Ohms .85			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used	

Remarks: ST #1A = .82 #2 = (147B) Driller said NO WATER
However, hole did seep some water overnight DRILLED
550 FT Logged 545 FT INST. 520 FT VENT PIPE
WITH 400 FT OF PERFORATIONS. SLURRIED 60 bags
OF COKE

Hole depth = +45
 400 16A Rect
 STUB POLE
 DITCH + cable = 291
 EXTRA cable = ~~291~~ 303

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6398

All Construction Completed

Robert J. Balnick
 (Signature)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE HARDY B^{1A} WELL NO. 1339-W CONTRACTOR WOLVERINE DRILLING RIG NO. W 2 REPORT NO. _____ DATE 5/31/77 19__

MORNING

DAYLIGHT

EVENING

Driller _____ Total Men In Crew _____					Driller _____ Total Men In Crew _____					Driller _____ 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.
0	45	sand												
45	270	shale w/ sand stringers												
270	480	sand/shale stringers												
480	545	sand.												

NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____	
BIT NO. _____		BIT NO. _____		BIT NO. _____		BIT NO. _____	
SERIAL NO. _____		SERIAL NO. _____		SERIAL NO. _____		SERIAL NO. _____	
SIZE <u>1-5 7/8" 1-6 3/4"</u>		SIZE _____		SIZE _____		SIZE _____	
TYPE _____		TYPE _____		TYPE _____		TYPE _____	
MAKE _____		MAKE _____		MAKE _____		MAKE _____	
TOTAL DEPTH _____		TOTAL DEPTH _____		TOTAL DEPTH _____		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.			
			7	SACKS	GEL												
			1	"	H ₂ O												
			1	"	EPDAR FIBER												

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS -	REMARKS -
<u>1 - HR wait for water</u>		
<u>TD - 545</u>		

SIGNED: Toolpusher _____

Company Supervisor _____

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 5-31-79
By: R.B.
File: 1339-W

HARDIE B#1A
HARDIE B#2

NW28-29-8 57288.21
55711.21

ST% = .82 w=OK
ST% = (1478)

5-31-79 5+5

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

200	.4	5	1.2
5	.4	10	.8
10	.5	15	.7
15	.6	20	.9
20	.9	25	1.0
25	2.6	30	.8
30	2.6 - 10	35	.9
35	2.7	40	.9
40	2.8 - 9	45	.8
45	2.1	50	.9
50	2.3 - 2	55	.9
55	2.2	60	.9
60	1.8 - 1	65	1.1
65	1.9	70	1.6
70	2.2 - 6	75	1.8 - 1
75	2.2	80	1.3
80	2.3 - 5	85	.9
85	2.3	90	1.0
90	1.8 - 4	95	1.0
95	1.1	500	.9
300	.7	5	.9
5	.6	10	1.0
10	.5	15	1.0
15	.5	20	.9
20	.6	25	.9
25	1.0	30	.8
30	1.2	35	.7
35	1.0	40	.8
40	.9	45	.9 TO
45	1.2	50	
50	1.3 - 3		
55	1.1		
60	1.1		
65	1.0		
70	.9		
75	1.0		
80	1.4 - 2		
85	.9		
90	.9		
95	1.0		
400	1.3 -		

DRILLER SAID NO WATER
Hole did Seep some water
overnight DRILLED 550 FT
Logged 545 FT
INST 520 FT VENT PIPE
400 FT PERF

Hole depth = + 45
400 IGA Rect
STUB POLE
Ditch & CABLE = 291
EXTRA CABLE = 308
278 + 25 Rock

①	475 -	1.3 -	2.2
②	380 -	1.0 -	1.9
③	350 -	1.0 -	1.9
④	290 -	1.9 -	3.7
⑤	280 -	2.1 -	4.5
⑥	270 -	1.9 -	4.4
⑦	260 -	1.5 -	3.8
⑧	250 -	1.7 -	4.2
⑨	240 -	2.6 -	5.4
⑩	230 -	2.6 -	5.1

11.8 v 13.9 A = .850 hms