

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 1981
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

ing Log (Attach Hereto). ☐

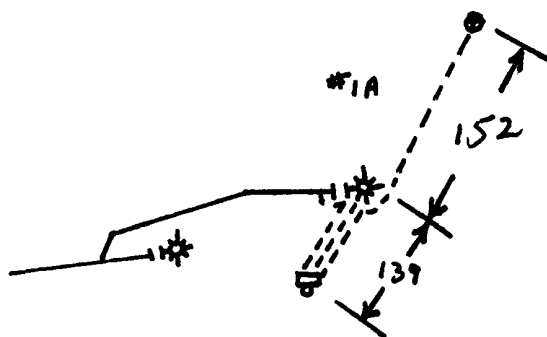
Completion Date 5-31-79

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 & 566711.21	
Anode Hole Depth 550-545 TD		Total Drilling Rig Time		Total Lbs. Coke Used 6000		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth	#1	#2	#3	#4	#5	#6	#7	#8	#9
	475	380	350	290	280	270	260	250	240
Anode Output (Amps)	#1	#2	#3	#4	#5	#6	#7	#8	#9
	2.2	1.9	1.9	3.7	4.5	4.4	3.8	4.2	5.4
Anode Depth	#11	#12	#13	#14	#15	#16	#17	#18	#19
Anode Output (Amps)	#11	#12	#13	#14	#15	#16	#17	#18	#19
Total Circuit Resistance		Amps		Ohms		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 11.8		13.9		.85					

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



All Construction Completed
Robert J. Balnick
 (Signature)

DISTRIBUTION:

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

6398

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 5/31/79 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>1-5/8" 1-6 3/4"</u>	SIZE _____	SIZE _____	SIZE _____
TYPE _____	TYPE _____	TYPE _____	TYPE _____
MAKE _____	MAKE _____	MAKE _____	MAKE _____

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.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.
			7 Sacks gel														
			1 " HULs														
			1 " EPAR FIBER														

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

REMARKS -	REMARKS -	REMARKS -
1 - HR wait for water		
TD - 545		

SIGNED: Toolpusher _____

Company Supervisor _____

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 5-31-79
By: RAB
File: 1339-W

HARDIE B^{#1}A NW28-29-8 57288.21 67% = .82 w=OK
HARDIE B^{#2} 55711.21 57% = (1470)

5-31-79 5+5

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 SAID NO WATER Hole did seep some water overnight drilled 550 FT Logged 545 FT INST 520 FT VENT P. Pe 400 FT PERF			
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	.7
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 -		

Hole depth = + 45
400/16 Rect
Stub Pole
Ditch + cable = 291
extra cable = 308
270 + 25 Poles

- 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 - 2.2 - 5.4
- ⑩ 230 - 2.6 - 5.1

11.8 v 13.9 A = .850 hms