

1289

2A- 30-045-23925

10- 30-045-21208

E

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. 14 Twp 28 Rng 8

Name of Well/Wells or Pipeline Serviced HARDIE D #2A, JONES A #10
cps 1560w

Elevation 5945' Completion Date 8/20/81 Total Depth 580' 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', 300', 460' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: 6900 lbs.

Depths anodes placed: 545', 535', 525', 515', 505', 495', 370', 360', 350', 340'

Depths vent pipes placed: 570'

Vent pipe perforations: 410'

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 **8-20-81**

Well Name HARDIE D#2A & JONES A#10		Location NW 14-28-8		CPS No. 1560 W.	
Type & Size Bit Used 6 3/4		2" x 60" DURIRON		Work Order No. 57648-21 55384-21	
Anode Hole Depth 580 Logged 563	Total Drilling Rig Time	Total Lbs. Coke Used 6,900	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 545	# 2 535	# 3 525	# 4 515	# 5 505	# 6 495
# 7 370	# 8 360	# 9 350	# 10 340		
Anode Output (Amps)					
# 1 5.02	# 2 3.50	# 3 2.30	# 4 3.40	# 5 4.17	# 6 3.13
# 7 2.01	# 8 2.91	# 9 2.30	# 10 2.11		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts 11.76	Amps 15.30	Ohms 0.77		No. 2 C.P. Cable Used	

Remarks: **Static HARDIE D#2A 600' E = 0.83 600 MA + UNION OK**
JONES A#10 Static = 0.79 400 MA + Bond Box #18 B. Union OK
Installed 570' of 1" PVC vent Pipe. Perforated 410' of 1" PVC vent P.
Slurried 6,900 LBS of Coke. Coke in Bulk. Driller said water
@ 180,300' F466. Driller did not catch water sample. Est. 3
water zones 10 GALS PER MIN

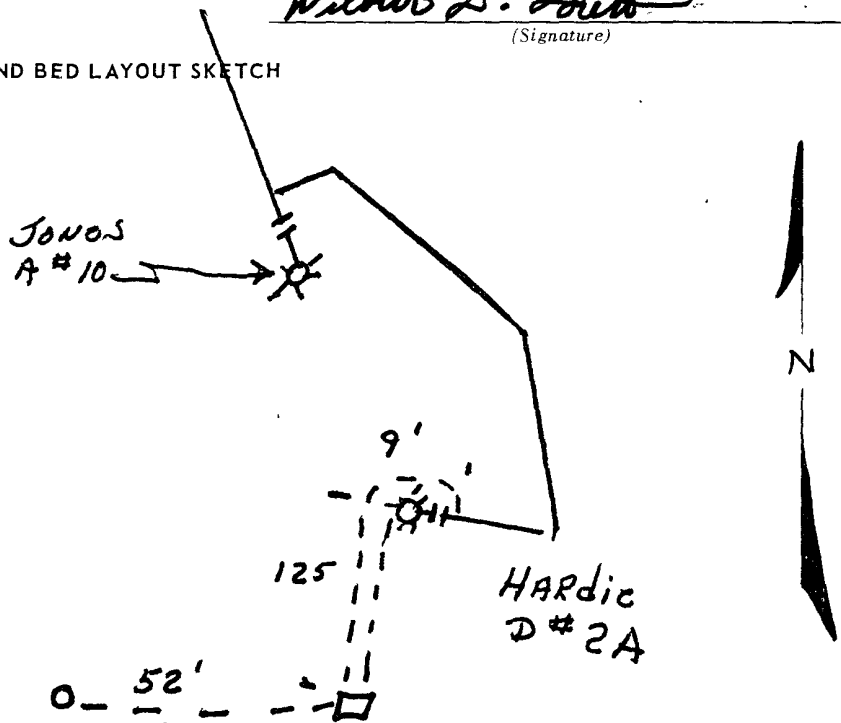
Hole depth = +63 ✓
Extra cable = 145' ✓
Ditch #1 cable = 186' ✓
Stub Pole ✓
60V 30A Rectifier ✓

9 HRS ✓

All Construction Completed

Wilbur L. Loria
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

5945

HARDIC D #2-A Static 600' F = 0.83 600MA +

57648-21-50-2

JONES A #10 Static = 0.79 400MA + Bond Box #188

55384-21-50-3

NW14-28-8

CPS 1560W

Hole Depth =

DRILLER SAID WATER @ 180', 300' F 460

EXTRA CABLE = 145'

DRILLER did NOT CATCH WATER SAMPLE. EST. 10 GALS PER MIN 3200

DITCH CABLE = 186'

INSTALLED 570' OF 1" PVC VENT PIPE

Stub Pole

PERFORATED 410' OF 1" PVC VENT PIPE

60 V 30A Rectifier

SHIPPED LBS OF COKE BRECCIA COKE IN BULK

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

1.60 90 20 .71 50 1.93

.79 2.04

70 300 .65 30 .84 60

.87 1.01 563 Logged

80 10 .95 40 .97 70

.90 .81

90 20 .86 50 .65 80 DRILLED

.88 .73

2.00 30 .91 60 .79

.96 .86

10 40 1.18 (10) 70 .86

1.37 .81

20 50 1.04 (7) 80 .83

1.18 .98

30 60 1.58 (7) 90 1.25

1.40 1.76 (6)

40 70 1.22 (7) 500 1.88

.77 1.88 (5)

50 70 .65 10 1.67

.67 1.48 (2)

60 70 .66 20 .95

.77 1.27 (3)

70 400 .20 30 1.46

.98 3.10 (2)

90 10 .65 70 2.18

.79 2.00 (3)

① 545 - 2.78 5.02

② 535 - 1.97 3.50

③ 525 - 1.24 2.30

④ 515 - 1.88 3.40

⑤ 505 2.33 4.17

⑥ 495 1.70 3.13

⑦ 370 1.34 2.01

⑧ 360 1.79 2.91

⑨ 357 1.26 2.30

⑩ 351 1.31 2.11

DO

Volts = 11.76

Hops = 15.30

Chms = 0.77

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

Hardie Dth 2A Jones A[#] 10 CPS 1560 W
 LEASE WELL NO. CONTRACTOR Story Drilling RIG NO. 2 REPORT NO. DATE Aug 20 1981

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.

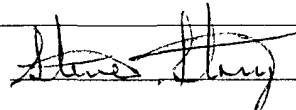
BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
S L NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH		

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.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	190	gong						
190	220	shale						
220	340	gong						
340	390	shale						
390	480	sandy shale						
480	580	sandy shale						

REMARKS -	REMARKS -	REMARKS -
Water 180	Water 300	10 Gallon Min
Drilled 580	TD	

SIGNED: Toolpusher



Company Supervisor