

4869

30-045-11026

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 4 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced SCOTT #6cps 447wElevation 5974' Completion Date 9/20/83 Total Depth 380' Land Type* N/ACasing, Sizes, Types & Depths 36' OF STEEL CASINGIf 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. 50'**RECEIVED**

MAY 31 1991

Depths gas encountered: N/A**OIL CON. DIV**
DIST. 3Type & amount of coke breeze used: 5700 lbs.Depths anodes placed: 345', 335', 280', 265', 255', 245', 235', 225', 215', 205'Depths vent pipes placed: 375' OF 1" PVC VENT PIPEVent pipe perforations: 360'Remarks: gb #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 9-20-83

CPS #	Well Name, Line or Plant:	Work Order #	Static: <u>Redrill</u>	Ins. Union Check
<u>2447-W</u>	<u>Scott #6</u>	<u>52453-19-50-20-63</u>		☐ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
<u>SW4-31-10</u>	<u>2" x 60"</u>	<u>Deere</u>	<u>6 3/4</u>	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
<u>380'</u>	<u>370'</u>		<u>5,700</u>	
Anode Depth				
#1 <u>345</u>	#2 <u>335</u>	#3 <u>280</u>	#4 <u>265</u>	#5 <u>255</u>
#6 <u>245</u>	#7 <u>235</u>	#8 <u>225</u>	#9 <u>215</u>	#10 <u>205</u>
Anode Output (Amps)				
#1 <u>4.6</u>	#2 <u>4.4</u>	#3 <u>4.7</u>	#4 <u>4.2</u>	#5 <u>4.6</u>
#6 <u>5.0</u>	#7 <u>4.2</u>	#8 <u>4.0</u>	#9 <u>4.0</u>	#10 <u>4.0</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	No. 8 C.P. Cable Used			
Volts <u>12.1</u>	Amps <u>18.5</u>	Ohms <u>.65</u>	No. 2 C.P. Cable Used	

Remarks: Drilled 38' with 6" Bit in boulders with mud. Reamed hole 12" bit. set 36' of 8 5/8" steel casing. Drilled to 200'. Blew clear water from hole next morning. water table estimated to be at 50 or 60 ft. Installed 325' of 1" pvc vent pipe with 360' of perforations. Slurried 3,700 lbs Coke down hole.

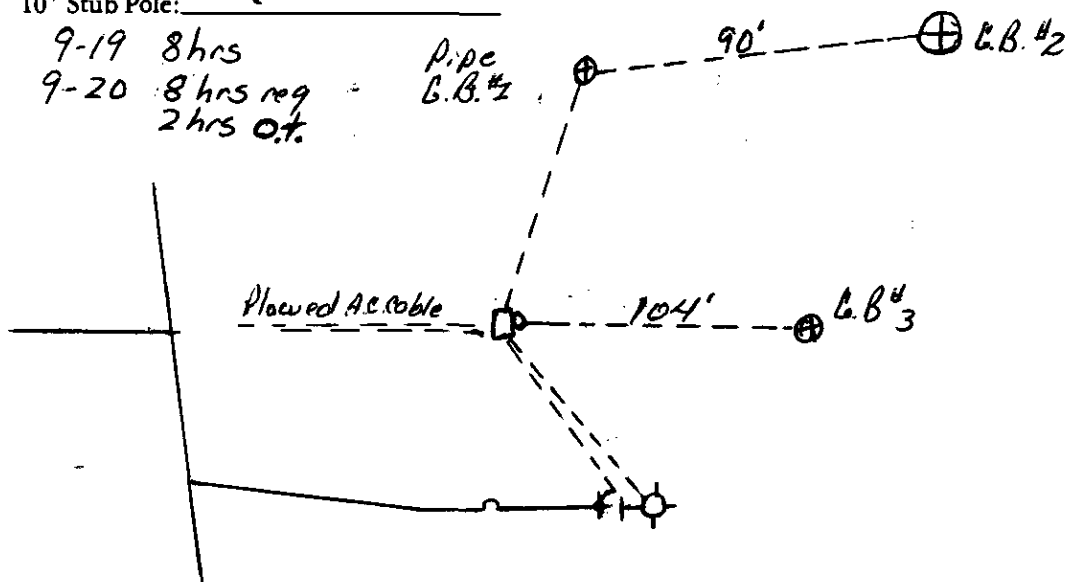
Rectifier Size: — V — A
 Addn'l Depth: —
 Depth Credit: 130' ✓
 Extra Cable: 5' ✓
 Ditch & 1 Cable: 104' ✓
 25' Meter Pole: —
 20' Meter Pole: —
 10' Stub Pole: —

Driller set 8 5/8" steel casing
26' Drilling in boulders
2 hrs. set casing time

All Construction Completed

C. W. Donahue
 (Signature)

GROUND BED LAYOUT SKETCH



9-19 8 hrs
 9-20 8 hrs reg
 2 hrs o.t.

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: of
Date: 9-19-83
By:
File:

EPS 447-W
Scott #6
SW-4-31-10

WO# 52453-19-50-20-63

2 hrs. set casing
26' boulders

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

90 1.3	305 1.7
95 1.7	10 1.7
100 1.8	15 1.7
05 1.8	20 1.9
10 2.2	25 1.9
15 2.0	30 1.9
20 2.0	35 2.0 ②
25 1.9	40 2.0
30 1.6	45 2.0 ①
35 1.5	50 2.0
40 1.9	55 1.9
45 1.8	60 2.0
50 1.4	65 2.0
55 1.5	70 TD
60 2.0	75
65 2.2	80
70 2.1	85
75 2.1	90
80 2.1	95
85 2.1	400
90 2.1	
95 2.1	
200 2.2	
05 2.4 ⑩	
10 2.4	
15 2.2 ⑨	
20 2.3	
25 2.3 ⑧	
30 2.2	
35 2.2 ⑦	
40 2.2	
45 2.3 ⑥	
50 2.5	
55 2.4 ⑤	
60 2.2	
65 2.2 ④	
70 2.0	
75 2.3	
80 2.3 ③	
85 2.0	
90 1.5	
95 1.1	
300 1.3	

Drilled 38' with 6" B.T. Reamed
hole with 12" B.T. set 36' of 8 5/8"
steel casing. Drilled to 200'. Blew
Clear water from hole next morning.
water table estimated between 50 or
60'. Installed 375' of 1" pvc. vent
pipe with 360' of perforations.
Slurried 5,700 lbs Coke down hole

Drilled: 380
Logged: 370

①	345	2.2	4.6
②	335	2.2	4.4
③	280	2.4	4.7
④	265	2.3	4.2
⑤	255	2.5	4.6
⑥	245	2.3	5.0
⑦	235	2.2	4.2
⑧	225	2.4	4.0
⑨	215	2.3	4.0
⑩	205	2.3	4.0

12.1 V 18.5 A .65 Ω