

1093

30-045-26202

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit 0 Sec. 8 Twp 29 Rng 12

Name of Well/Wells or Pipeline Serviced HUDSON #1E

cps 1821w

Elevation 5652' Completion Date 9/29/87 Total Depth 610' 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. 220' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 565', 555', 545', 530', 515', 505', 490', 475', 450', 430'

Depths vent pipes placed: 600'

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.

Corrected Copy
10/2/87

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date 9/29/87

Elev. - 5052'

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins Union Check
1821 W	HUDSON # 1E		21V E	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
SE 8-29-12	2" X 60"	Durion	6"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs Coke Used	Lost Circulation Mat'l Used
610'	600			
Anode Depth				
# 1 565	# 2 555	# 3 545	# 4 530	# 5 515
# 6 505	# 7 490	# 8 475	# 9 450	# 10 430
Anode Output (Amps)				
# 1 4.8	# 2 5.7	# 3 5.7	# 4 5.8	# 5 5.6
# 6 6.1	# 7 5.8	# 8 5.6	# 9 4.9	# 10 4.7
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		No. 2 C.P. Cable Used
Volts 12, 2	Amps 25.4	Ohms .48		

Remarks: INSTALLED 600' of perforated VENT pipe (1" P.V.S.) Perforated To 200'. WATER AT 220'.

(Took WATER SAMPLE)

G.B. 4300.00

Rectifier Size: <u>40V</u>	<u>16A</u>	P.P.
Add'l Depth: <u>+100'</u>		700.00
Depth Credit: <u>—</u>		
Extra Cable: <u>40'</u>		10.00
Ditch & 1 Cable: <u>60'</u>		23.40
Ditch & 2 Cable: <u>145'</u>		75.40
25' Meter Pole: <u>—</u>		
20' Meter Pole: <u>—</u>		
10' Stub Pole: <u>1</u>		150.00
Junction Box: <u>1</u>		40.00

All Construction Completed

J.E. Slath
(Signature)

Set 20' of steel casing

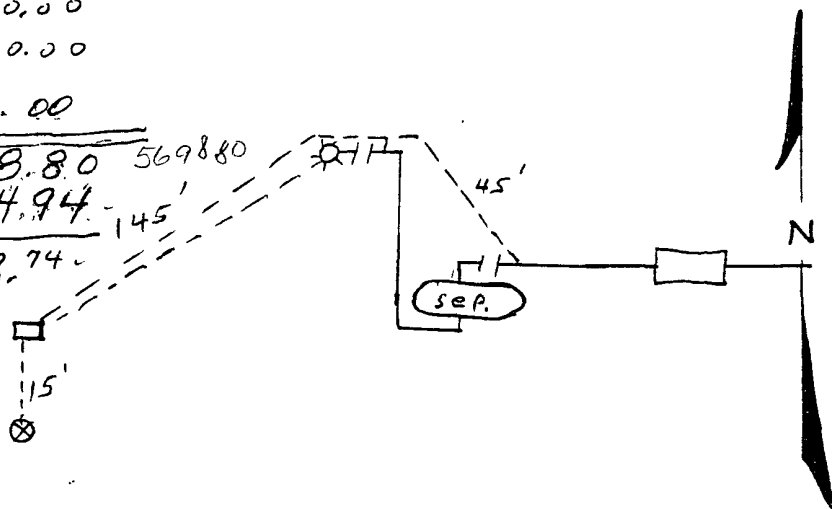
Casing Time 1 Hr.

20' X 20.00 P/FOOT

400.00
5698.80
TAX 284.94
TOTAL 5983.74

MOI - CASING COST
3.90 X 20' = 78.00
PR

5452



MERIDIAN OIL

P. O. BOX 4289-Phone 327-0251
FARMINGTON, NM

Date 9/29/87
jl

CPS 1821 W

DEEP WELL GROUND BED LOG

Company MERIDIAN OIL

Well No. Hudson ⁸ IE Location SE 8-29-12

Volts Applied 12.2 V Amperes 25.4

Depth (ft)	Log Reading	Log Reading	Log Reading	Log Reading
5		230 1.0	455 2.3	680
10		235 1.0	460 2.2	685
15		240 1.0	465 2.5	690
20		245 1.0	470 2.4	695
25		250 .8	475 2.9 - ② ③	700
30		255 1.3	480 2.7	705
35		260 1.3	485 2.5	710
40		265 1.2	490 2.7 - ② ③	715
45		270 1.1	495 2.8	720
50		275 .9	500 2.6	725
55		280 .9	505 2.9 - ② ③	730
60		285 1.0	510 2.7	735
65		290 .9	515 2.6 - ② ③	740
70		295 .9	520 2.3	745
75		300 .9	525 2.5	750
80		305 1.0	530 2.6 - ② ④	755
85		310 .9	535 2.7	760
90		315 .7	540 2.7	765
95		320 .8	545 2.6 - ② ③	770
100		325 .9	550 2.3	775
105		330 .8	555 2.6 - ②	780
110		335 .8	560 2.6	785
115		340 .9	565 2.7 - ①	790
120		345 .8	570 2.4	795
125		350 .9	575 2.6	800
130		355 .8	580 2.2	805
135		360 .7	585 2.3	810
140		365 .6	590 2.3	815
145		370 .6	595	820
150		375 .5	600 T.D	825
155		380 .5	605	830
160		385 .3	610 Drilled To	835
165		390 .8	615	840
170		395 1.5	620	845
175		400 1.6	625	850
180		405 1.3	630	855
185		410 .7	635	860
190		415 .5	640	865
195		420 2.3	645	870
200		425 2.8	650	875
205		430 2.9 - ② ③	655	880
210	.9	435 2.5	660	885
215	.8	440 2.4	665	890
220	.8 WATER	445 2.4	670	895
225	.9	450 2.6 - ② ③	675	900

~~1-565~~
~~2-545~~
~~3-530~~
~~4-515~~
~~5-505~~
~~6-490~~
~~7-475~~
~~8-450~~
~~9-~~
~~10-~~

1-565-4.0-4.8
2-535-3.7-5.7
3-545-3.7-5.7
4-530-3.6-5.8
5-515-3.7-5.6
6-505-4.5-6.1
7-490-4.1-5.8
8-475-3.4-5.6
9-450-3.6-4.9
10-430-3.2-4.7

BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

CPS 1821W

COMPANY MERIDIAN OIL DAILY DRILLING REPORT 9-29 1987

WELL NAME: Hudson 1-E WELL NUMBER: SECTION: TOWNSHIP: RANGE:

WATER AT:

FEET:

HOLE MADE:

220'

600'

TD.

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
0	20 20'	Surface Rock - set 20' 7" casing.	
20'	60'	sand / Bentonite - damp.	
60'	100'	shale / Bentonite - sand	
100'	200'	shale / sandstone / Bentonite	
200'	220'	sand - water	
220'	245'	sandy - shale	
245'	255'	sand	
255'	270'	sandy bentonite	
270'	280'	sand	
280'	395'	sandstone / sandy shale	
395'	410'	sand	
410'	415'	sandstone / sand	
415'	600'	sandy / Bentonite	

REMARKS: _____

Brad Howe

Driller

Tool Dresser



CPS 1-82100

API WATER ANALYSIS REPORT FORM

Company <u>MERIDIAN OIL. Co.</u>		Sample No.	Date Sampled <u>9/29/87</u>	
Field <u>Kutz</u>	Legal Description		County or Parish <u>San Juan</u>	State <u>NM</u>
Lease or Unit	Well <u>Hudson #1F</u>	Depth	Formation <u>220'</u>	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point <u>220'</u>		Sampled By <u>JK</u>

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>806</u>	<u>35.0</u>
Calcium, Ca	<u>529</u>	<u>26.4</u>
Magnesium, Mg	<u>19.4</u>	<u>1.6</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.80</u>
Specific Gravity, 60/60 F.	<u>1.0062</u>
Resistivity (ohm-meters) <u>72 F.</u>	<u>340 ohm-cm</u>
Conductivity	<u>3300 μMhos</u>

Total Dissolved Solids (calc.)

4400

ANIONS

Chloride, Cl	<u>39.7</u>	<u>1.1</u>
Sulfate, SO ₄	<u>2870</u>	<u>59.8</u>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<u>128</u>	<u>2.1</u>

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:

