

1304

30-045-26601

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 F Sec. 17 Twp 30 Rng 11

Name of Well/Wells or Pipeline Serviced MONTGOMERY #2E

cps 1912w

Elevation 5566' Completion Date 11/6/87 Total Depth 280' Land Type* N/A

Casing, Sizes, Types & Depths 32' OF 7" STEEL CASING

If Casing is cemented, show amounts & types used 2 SACKS PORTLAND CEMENT

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. GROUND LEVEL ARTESIAN WELL

SAMPLE TAKEN

Depths gas encountered: N/A

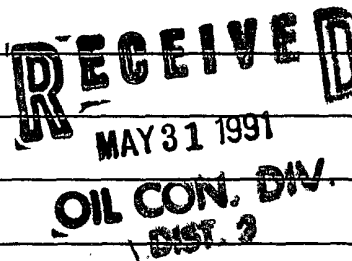
Type & amount of coke breeze used: N/A

Depths anodes placed: 250', 240', 230', 220', 210', 180', 155', 140', 130', 120'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1



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.

MERIDIAN OIL INC.

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

FM 0-2236 (Rev. 10-67)

Drilling Log (Attach Herein)

Completion Date 11-6-87

CPS #	Well Name: Line or Plant	Work Order #	State	Ins. Union Check
1912W	Montgomery #2E		90.5	☒ Good ☐ Bad
Loc. No.	Anode Size	Anode Type	Size Box	
F17-30-11	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Loss Circulation Mat'l Used
290	277	7 hrs		
Anode Depth				
#1 250	#2 240	#3 230	#4 220	#5 210
#6 180	#7 155	#8 140	#9 130	#10 120
Anode Output (Amps)				
#1 4.5	#2 6.2	#3 6.0	#4 5.7	#5 5.2
#6 5.4	#7 4.8	#8 5.3	#9 6.1	#10 5.0
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	Amps	Ohms		

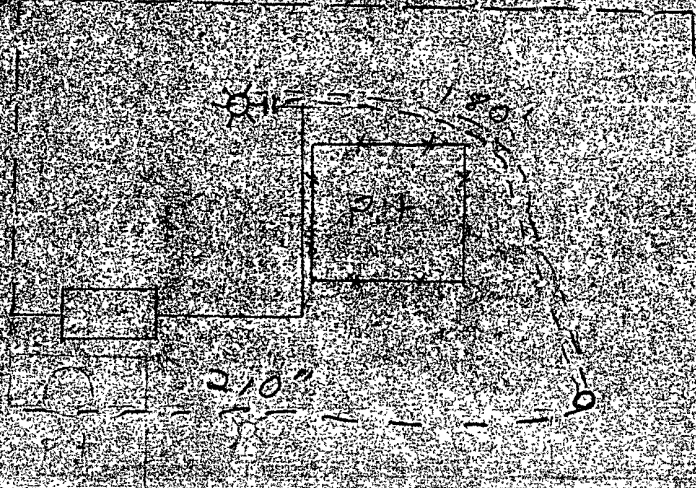
Remarks: Set 30' of casing a total of 7 hrs time. Water is at ground level. Very slow flowing artesian well. Vent pipe is perforated up to 80'. Water sample was taken.

Rectifier Size: 40 V 1.6 A
Addn'l Depth: 7300.00
Depth Credit: 22300.00 - 78050.00
Extra Cable: 30' - 750.00
Ditch & 1 Cable: 210' - 90.00
Ditch & 2 Cables: 180' - 99.00
25' Meter Pole: 300.00
20' Meter Pole: 300.00
10' Stub Pole: 40.00
Junction Box: 740.00

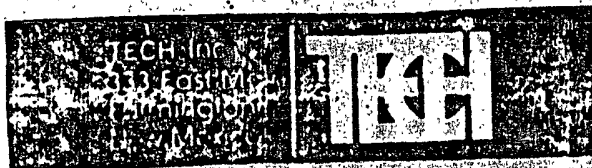
All Construction Completed

Randy Smith
(Signature)

4632.50
22316
4855.46



5560



CPS 1912

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 1	Date Sampled 11-5-87	
Field Aztec	Legal Description		County or Parish S. J.	State NM
Lease or Unit Montgomery	Well # 2E	Depth 160'	Formation	Water, B/D
Type of Water (Producer, Supply, etc.) Supply (Ground Bed)		Sampling Point Ground bed		Sampled By R.S.

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	6270	272
Calcium, Ca	348	17.4
Magnesium, Mg	107	8.8
Barium, Ba		

OTHER PROPERTIES

pH
Specific Gravity, 60/60 F.
Resistivity (ohm-meters) 705 F.
Conductivity

8.49
1.0196
62.0 cm
1.6 x 10⁴ μ Mhos

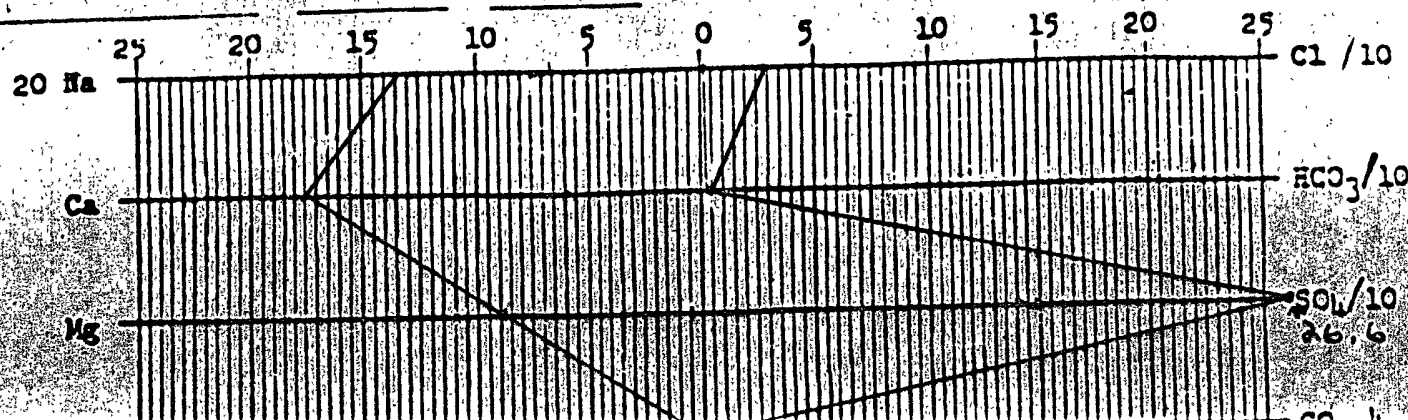
Total Dissolved Solids (calc.)
20800

ANIONS

Chloride, Cl	1000	28.3
Sulfate, SO ₄	12800	266
Carbonate, CO ₃	18	0.6
Bicarbonate, HCO ₃	256	4.2

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



BURGE CORROSION SYSTEMS, INC.

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

1912W

COMPANY: MERIDIAN OIL

DAILY DRILLING REPORT

Nov. 6

1987

WELL NAME: *20-10-10-10*

WELL NUMBER:

SECTION:

TOWNSHIP:

RANGE

Montgomery

#2-E

WATER AT:

FEET:

HOLE MADE:

5

2.80

DESCRIPTION OF FORMATION

[illegible]

2 Sacks
Pc + 1000
Cement

REMARKS:

REMARKS: set 7" steel casing through river rock down to sandstone/shale at 32'

Brian E. Burge

Driller 25

Tool Dresser

BURG CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 11-6-87

Company

MERIDIAN OIL

Well No.

2 E

Location

Montgomery

Volts Applied

11.3

Ampere

20.5

5						230	3.3					455						680					
10						235	3.1					460			3.5			685	4.5				
15						240	2.8					465	2		4.3			690	6.2				
20						245	2.7					470	3		4.4			695	6.0				
25						250	2.6					475	4		4.2			700	5.7				
30						255	2.5					480	5		3.8			705	5.2				
35						260	2.5					485	6		4.2			710	5.4				
40						265	2.4					490	7		2.6			715	4.8				
45						270	2.3					495	8		4.1			720	5.3				
50						275	TD 277					500	9		4.4			725	6.1				
55						280						505	10		3.8			730	5.0				
60						285						510						735					
65						290						515						740					
70						295						520						745					
75						300						525						750					
80	2.7					305						530						755					
85	2.7					310						535						760					
90	3.1					315						540						765					
95	3.3					320						545						770					
100	3.3					325						550						775					
105	3.4					330						555						780					
110	3.3					335						560						785					
115	2.8					340						565						790					
120	2.9					345						670						795					
125	3.2					350						575						800					
130	3.2					355						580						805					
135	2.8					360						585						810					
140	2.8					365						590						815					
145	3.7					370						595						820					
150	2.5					375						600						825					
155	2.6					380						605						830					
160	2.5					385						610						835					
165	2.7					390						615						840					
170	3.0					395						620						845					
175	2.9					400						625						850					
180	2.8					405						630						855					
185	2.5					410						635						860					
190	2.2					415						640						865					
195	1.9					420						645						870					
200	2.6					425						650						875					
205	2.6					430						655						880					
210	3.0					435						660						885					
215	2.8					440						665						890					
220	2.8					445						670						895					
225	2.9					450						675						900					