

1298

30-045-26384

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 C Sec. 23 Twp 28 Rng 9

Name of Well/Wells or Pipeline Serviced HANCOCK #4A

cps 1906w

Elevation 6164' Completion Date 11/4/87 Total Depth 390' 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. 40' SAMPLE TAKEN

Depths gas encountered: N/A

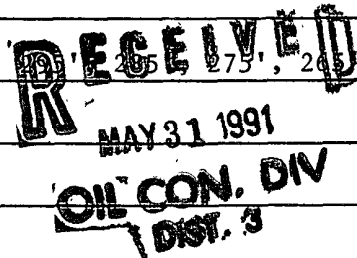
Type & amount of coke breeze used: N/A

Depths anodes placed: 345', 335', 325', 315', 305', 295', 285', 275', 265', 255'

Depths vent pipes placed: 390'

Vent pipe perforations: 340'

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.

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date: 11/4/87

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1906W	HAWCOCK #4A		.82	N
Location: NW 23-28-9	Anode Size: 2" X 60"	Anode Type: DURATION	Size Bit: 6 3/4"	☒ Good ☒ Bad Repair 11/5
Depth Drilled: 390'	Depth Logged: 390'	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
Anode Depth				
#1 345'	#2 335'	#3 325'	#4 315'	#5 305'
#6 295'	#7 285'	#8 275'	#9 265'	#10 255'
Anode Output (Amps)				
#1 3.7	#2 5.3	#3 5.5	#4 5.7	#5 5.2
#6 4.7	#7 4.9	#8 3.8	#9 4.4	#10 3.8
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 11.79	Amps 21.6	Ohms .54		

Remarks: Driller said WATER AT 40'. (Took WATER SAMPLE)
 INSTALLED 390' of 1" P.V.C. VENT P.P.O. Perforated 340'.

G.B. = \$4399.00

Rectifier Size: _____ V _____ A
 Addn'l Depth _____
 Depth Credit: -110'
 Extra Cable: 165'
 Ditch & 1 Cable: 130'
 Ditch & 2 Cable: _____
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

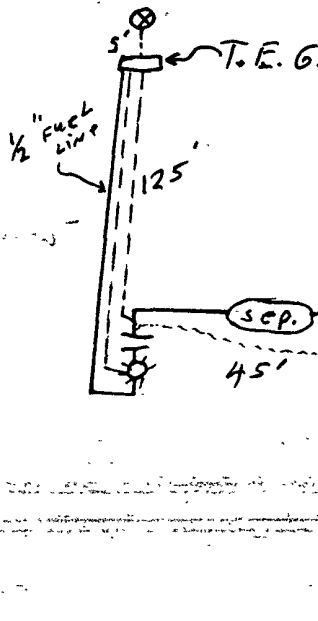
T.E.G. No rectifier 799.98-Subline

All Construction Completed

- 440.00
 3959.00
 91.00

(Signature)
 J.E. Smith

269.90
 TOTAL 4352.90
 217.65
 TAX @ 5%
 \$ 4570.58



N

DEEP WELL GROUND BED LOG

Company Meridian O.L

Well No. HAWCOCK 4A Location NW 23-28-9 Volts Applied 11.79 Amperes 21.6

[illegible]

WELL TYPE GROUND BED DATA

DATA SHEET NO. 1052

COMPANY: MERIDIAN OIL CO. JOB No. _____ DATE: _____
 WELL: HANCOCK #4A PIPELINE: _____
 LOCATION: SEC. 23 TWP. 28N RGE. 9W CO. SAN JUAN STATE NM
 ELEV. _____ FT. ROTARY 390 FT. CABLE TOOL 0 FT. CASING 0
 GROUND BED: DEPTH 390 FT. DIA. 6 3/4 IN. GAS _____ LBS. ANODES 10 2" x 60" TYPE 1

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	DEPTH TOP OF ANODES	
		E	I	R			NO	FT.
40	FIRST WATER AT 40' (5 GPM)		1.7					
45	0-40 SAND		1.6					
50	SAND		1.0					
55			0.6					
60			0.5					
65			0.6					
70			0.7					
75			0.7					
80			0.7					
85			0.6					
90			0.5					
95			0.6					
100			0.7					
5			0.7					
10			0.8					
15			0.7					
20			0.6					
25			0.7					
30			0.8					
35			1.0					
40			1.2					
45	SANDY SHALE		1.2					
50			1.1					
55			1.1					
60			1.0					
65			1.3					
70			1.8					
75			1.1					
80			1.0					
85			0.8					
90			0.7					
95			0.7					
100	SAND		0.7					
5			0.6					
10			0.6					
15			0.6					
20			0.6					
25			0.6					
30			0.9					
35			1.0					
40			1.1					
45			1.3					
50			1.5					

GROUND BED RESISTANCE: (1) VOLTS 11.22 - AMPS 21.6 - 0.54 OHMS

(2) VIBROGROUND _____ OHMS

DATA SHEET NO. 2 of 2

COMPANY MERIDIAN OIL CO.

JOB NO. _____ DATE: _____

WELL HANCOCK #4A

PIPELINE: _____

LOCATION: SEC. _____ TWP. _____ RGE. _____ CO. _____ STATE _____

ELEV. _____ FT. ROTARY _____ FT. CABLE TOOL _____ FT. CASING _____

GROUNDED DEPTH _____ FT. DIA. _____ IN. GAS _____ LBS. ANODES _____

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R				
55	SAND & SHALE		2.1		2.8	3.8	10	255
60			2.0					
65			2.5		3.3	4.4	9	265
70			2.3					
75			2.1		2.8	3.8	8	275
80			2.2					
85			2.5		3.4	4.9	7	285
90			2.5					
95			2.2		2.9	4.7	6	295
300			2.6					
5			2.7		3.8	5.2	5	305
10			2.7					
15			2.7		3.8	5.7	4	315
20			2.6					
25			2.6		3.8	5.5	3	325
30			2.6					
35			2.6		3.6	5.3	2	335
40			2.4					
45			1.7		2.5	3.7	1	345
50	SAND		1.3					
55			1.5					
60			1.4					
65			1.4					
70			1.6					
75			1.7					
80			1.5					
85			1.4					
90								
95								
400								
5								
10								
15								
20								
25								
30								
35								
40								
45								
50								
55								
60								
65								

GROUNDED RESISTANCE: (1) VOLTS 11.79 - AMPS 21.6 - .54 OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUKENS COMPANY



CPS. 1906 CD

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 2	Date Sampled 11-3-87
Field Blanco	Legal Description	County or Parish San Juan	State N.M.
Lease or Unit	Well Hancock #4A	Depth 60'	Formation
Type of Water (Produced, Supply, etc.)	Sampling Point 60'	Water, B/D	
			Sampled By

DISSOLVED SOLIDS

CATIONS

Sodium, Na (calc.)
Calcium, Ca
Magnesium, Mg
Barium, Ba

mg/l	me/l
2370	103
202	10.1
35	2.8

OTHER PROPERTIES

pH
Specific Gravity, 60/60 F.
Resistivity (ohm-meters) 12° F.

6.74
1.0085
1.52

Total Dissolved Solids (calc.) 8000

Iron, Fe (total)
Sulfide, as H₂S

0

ANIONS

Chloride, Cl
Sulfate, SO₄
Carbonate, CO₃
Bicarbonate, HCO₃

mg/l	me/l
46	1.3
5270	17.3
0	0
116	1.9

REMARKS & RECOMMENDATIONS:

