

704

#1. 38-045-10680

#717 38-045-27587

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

62052W

Operator Meridian Oil Co Location: Unit N Sec. 13 Twp 31 Rng 9Name of Well/Wells or Pipeline Serviced Nordhaus #717, Nordhaus #1Elevation 6506 Completion Date 7-2-91 Total Depth 485' Land Type FCasing Strings, Sizes, Types & Depths 100' 8" PVCIf Casing Strings are cemented, show amounts & types used yes - 20 Sacks

If Cement or Bentonite Plugs have been placed, show depths & amounts used

NoneDepths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Water at 110' - FreshDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 485'Loresco SW Coke From 485' to 120'

Depths anodes placed: #1-458', #2-450', #3-441', #4-429', #5-420', #6-355', #7-346', #8-336'

Depths vent pipes placed: 485' to Surface #9-290', #10-280', #11-260', #12-2Vent pipe perforations: 485' to 85'Remarks: No gas encountered in drilling of hole

RECEIVED

FEB 24 1992

OIL CON. DIV.]

DIST. 2

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.

CPS GRID BED CONSTRUCTION WORKSHEET

CPS# 6205-0		P/L NAME(s), NUMBER(s) Nordhaus #717, Nordhaus #1				
WQ # L931	TOTAL	VOLTS 12.40	AMPS 14.7	OHMS 84	DATE 7-2-91	NAME David D. Ashworth
REMARKS (notes for construction log)						
PerF-400'						
H ₂ O at 115'						

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100	.6		295	1.1		490			685			
105	.7		300	1.0		495			690			
110	.8		305	.6		500			695			
115	1.0		310	.6		505			700			
120	1.1		315	.7		510			ANODE	DEPTH	NO.	FULLY
125	1.1		320	.7		515			*		COKE	COKE'D
130	1.4		325	.8		520			1	458	2.0	3.4
135	1.8		330	1.0		525			2	450	2.2	4.1
140	1.8		335	1.4	8	530			3	441	1.7	3.8
145	1.7		340	1.7		535			4	429	1.8	3.2
150	1.0		345	2.0	7	540			5	420	2.2	3.4
155	.9		350	2.3		545			6	355	2.4	3.7
160	1.3		355	1.6	6	550			7	346	2.2	3.8
165	1.3		360	.8		555			8	336	1.7	3.1
170	1.0		365	1.6		560			9	290	2.0	3.1
175	1.0		370	1.6		565			10	280	2.0	3.1
180	1.0		375	1.6		570			11	260	2.1	3.6
185	1.0		380	.5		575			12	250	2.5	3.9
190	1.0		385	.5		580			13			
195	1.0		390	.5		585			14			
200	1.1		395	.6		590			15			
205	1.0		400	.8		595			16			
210	1.0		405	.9		600			17			
215	1.0		410	1.1		605			18			
220	1.0		415	1.5		610			19			
225	1.1		420	2.2	5	615			20			
230	1.0		425	2.0		620			21			
235	1.0		430	1.5	4	625			22			
240	1.2		435	1.1		630			23			
245	1.4		440	1.3	3	635			24			
250	2.3	12	445	1.9		640			25			
255	2.3		450	2.2	2	645			26			
260	2.0	11	455	2.1		650			27			
265	1.4		460	1.9	1	655			28			
270	.9		465	1.0		660			29			
275	.8		470	.7		665			30			
280	1.5	10	475	.5		670						
285	2.1		480	.8		675						
290	1.6	9	485	TD-480		680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25910710-15

Company <u>Meridian Oil</u>		Sample No.		Date Sampled <u>7-2-91</u>	
Field		Legal Description <u>N-13, 31-9</u>		County or Parish <u>San Juan</u>	
Lease or Unit		Well <u>NORDHAUS # 717</u>		State <u>N.M.</u>	
Type of Water (Produced, Supply, etc.) <u>C.P. Gr. Bed</u>		Depth		Formation	
Sampling Point		Water, B/D		Sampled By <u>D. ASHWORTH</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>4500</u>	<u>200</u>
Calcium, Ca	<u>22</u>	<u>1.1</u>
Magnesium, Mg	<u>67</u>	<u>5.5</u>
Barium, Ba		

ANIONS

Chloride, Cl	<u>780</u>	<u>22</u>
Sulfate, SO_4	<u>5600</u>	<u>120</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>3800</u>	<u>62</u>

Total Dissolved Solids (calc.)

15000

Iron, Fe (total)

Sulfide, as H_2S

OTHER PROPERTIES

pH

Specific Gravity, 60/60 F.

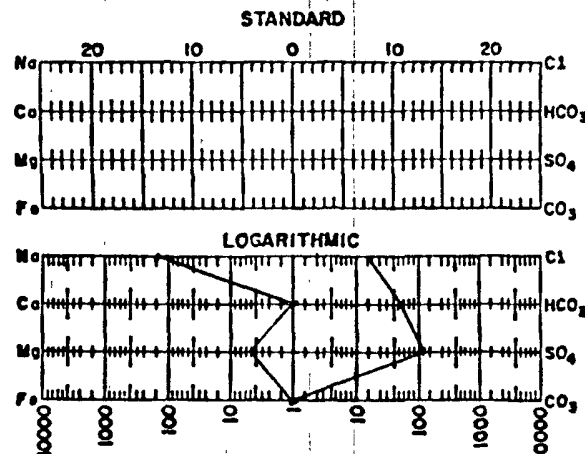
Resistivity (ohm-meters) 49 F.

7.8

1.0069

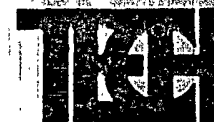
1.0

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

Date Received <u>7-10-91</u>	Preserved <u>NO</u>	Date Analyzed <u>7-2-91</u>	Analyzed By <u>ES</u>
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