

631 #60 30-045-11270

#274 30-045-28410 E

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

Operator Meridian Oil Inc. Location: Unit 4 Sec 28 Twp 32 Rng 9

Name of Well/Wells or Pipeline Serviced San Juan 32-9 #274

San Juan 32-9 #60

Elevation 7038 Completion Date 7-10-91 Total Depth 425' Land Type F

Casing Strings, Sizes, Types & Depths 8" P.U.C. at 100'

If Casing Strings are cemented, show amounts & types used 20 sacks
of neat cement

If Cement or Bentonite Plugs have been placed, show depths & amounts used
None

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 180' - 190', water was clear

Depths gas encountered: No gas

Ground bed depth with type & amount of coke breeze used: 425' with
Loresco SW - 60 sacks

Depths anodes placed: Starting at 215' to 405'

Depths vent pipes placed: Ran with #1 anode to 405'

Vent pipe perforations: Upto 30'

Remarks: _____

RECEIVED

FEB 24 1992

OIL CON. DIV.

If any of the above data is unavailable, please indicate. 155.3 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 GROUND BED CONSTRUCTION WORKSHEET

CPS# 2255-W	P/L NAME(s), NUMBER(s) S.J 35-9 1574, 160					
O # 1050	TOTAL	VOLTS 10.5	AMPS 19.2	OHMS .65	DATE 7-10-91	NAME Randy Smith

REMARKS (notes for construction log)

Water at 185', vent pipe is perforated up to 80

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	#		ANODE	#		ANODE	#		ANODE	#	
100	1.5		295	2.5	(7)	490			685			
105	1.7		300	2.2		495			690			
110	1.3		305	1.9	(6)	500			695			
115	1.3		310	1.8		505			700			
120	1.0		315	1.7	(5)	510			ANODE	DEPTH	NO.	FULLY
125	2.5		320	1.2		515			*	COKE	COKE'D	
130	2.2		325	1.4		520			1	405	2.3	4.2
135	1.7		330	1.3		525			2	395	2.5	4.3
140	1.5		335	1.2		530			3	370	2.0	3.8
145	1.4		340	1.0		535			4	360	2.0	3.8
150	1.4		345	.7		540			5	315	2.0	4.1
155	1.3		350	.7		545			6	305	2.2	4.2
160	1.4		355	2.9		550			7	295	2.5	5.3
165	1.3		360	1.8	(4)	555			8	285	2.4	5.5
170	1.2		365	1.7		560			9	275	2.4	4.9
175	1.2		370	2.0	(3)	565			10	265	2.3	4.6
180	1.4		375	1.9		570			11	255	2.4	4.1
185	1.1		380	1.6		575			12	215	2.3	5.7
190	1.9		385	1.4		580			13			
195	2.6		390	2.1		585			14			
200	1.8		395	2.5	(2)	590			15			
205	2.3		400	2.3		595			16			
210	1.8	(1.5)	405	2.4	(1)	600			17			
215	1.3		410	1.9		605			18			
220	1.0		415	2.1		610			19			
225	.8		420	TD		615			20			
230	.7		425			620			21			
235	.7		430			625			22			
240	.7		435			630			23			
245	1.6		440			635			24			
250	1.9	(2.0)	445			640			25			
255	1.9		450			645			26			
260	1.7	(1.0)	455			650			27			
265	1.7		460			655			28			
270	1.8		465			660			29			
275	2.2	(1.9)	470			665			30			
280	2.3		475			670						
285	2.2	(1.8)	480			675						
290	2.0		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor
copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25910710-16

Company <u>Meridian Oil</u>		Sample No.		Date Sampled <u>7-9-91</u>	
Field		Legal Description <u>H-28 32-9</u>		County or Parish <u>San Juan</u>	
Lease or Unit		Well <u>5J32-9#274 #60</u>		Depth	
Type of Water (Produced, Supply, etc.) <u>GROUND BED</u>		Sampling Point		Sampled By <u>Randy Smith</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>4900</u>	<u>210</u>
Calcium, Ca	<u>3</u>	<u>0.4</u>
Magnesium, Mg	<u>12</u>	<u>1.0</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.9</u>
Specific Gravity, 60/60 F.	<u>1.0091</u>
Resistivity (ohm-meters) <u>69'</u> F.	<u>.50</u>

ANIONS

Chloride, Cl	<u>1500</u>	<u>43</u>
Sulfate, SO_4	<u>530</u>	<u>11</u>
Carbonate, CO_3	<u>560</u>	<u>19</u>
Bicarbonate, HCO_3	<u>8700</u>	<u>140</u>

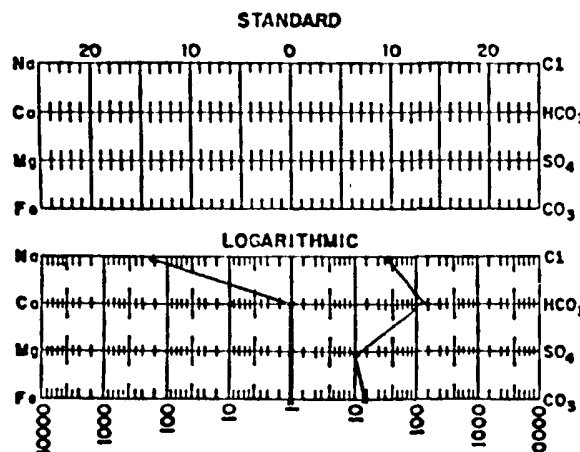
Total Dissolved Solids (calc.)

16000

Iron, Fe (total)

Sulfide, as H_2S

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

Date Received <u>7-10-91</u>	Preserved <u>No</u>	Date Analyzed <u>7-1-91</u>	Analyzed By <u>TS</u>
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