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30-045-27849

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

2256W

Operator Meridian Oil Co. Location: Unit Sec. 33 Twp 32 Rng 9

Name of Well/Wells or Pipeline Serviced San Juan 32-9 #283

Elevation Completion Date 7-5-91 Total Depth 392' Land Type F

Casing Strings, Sizes, Types & Depths 100' 8" PUC

If Casing Strings are cemented, show amounts & types used yes-20 Sacks

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. Water at 125' - Fresh

RECEIVED
FEB 24 1992

Depths gas encountered: None OIL CON. DIV.
DIST. 2

Ground bed depth with type & amount of coke breeze used: 392'
Loiesco SW Coke breeze - From 392' up to 115'

Depths anodes placed: #1-375' #2-360' #3-310' #4-300' #5-290' #6-280' #7-270' #8-260'

Depths vent pipes placed: #9-235' #10-170' #11-160' #12-150'

Vent pipe perforations:

Remarks: No gas encountered in drilling of ground bed

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 GROUND BED CONSTRUCTION WORKSHEET

CPS# 2256	P/L NAME(s), NUMBER(s) San Juan 32-9 * 283					
* 513	TOTAL	VOLTS 12.5	AMPS 17.9	- OHMS .69	DATE 7-5-91	NAME David D Ashworth
REMARKS (notes for construction log)						
H ₂ O at 125						
Perforated 392'						

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100	1.9		295	2.3		490			685			
105	.8		300	1.9	4	495			690			
110	.6		305	1.9		500			695			
115	.6		310	1.8	3	505			700			
120	.7		315	1.5		510			ANODE	DEPTH	NO.	FULLY
125	.8		320	1.4		515			*		COKE	COKE'D
130	.9		325	1.6		520			1	325	2.1	3.2
135	.9		330	1.4		525			2	360	1.9	3.2
140	1.2		335	.9		530			3	310	1.8	4.5
145	2.6		340	.9		535			4	300	2.2	4.5
150	3.2	12	345	.8		540			5	290	2.1	4.4
155	3.2		350	1.0		545			6	280	2.8	4.7
160	2.9	11	355	1.7		550			7	270	2.9	4.4
165	2.7		360	1.9	2	555			8	260	2.5	3.6
170	2.6	10	365	1.6		560			9	235	2.5	4.2
175	2.5		370	1.4		565			10	170	2.6	4.4
180	1.8		375	2.0	1	570			11	160	3.1	5.1
185	1.4		380	2.2		575			12	150	3.2	5.3
190	1.0		385	1.1		580			13			
195	.8		390	TD 32		585			14			
200	.7		395			590			15			
205	1.0		400			595			16			
210	1.5		405			600			17			
215	1.9		410			605			18			
220	1.5		415			610			19			
225	1.2		420			615			20			
230	1.0		425			620			21			
235	2.4	9	430			625			22			
240	2.6		435			630			23			
245	1.0		440			635			24			
250	1.0		445			640			25			
255	1.2		450			645			26			
260	2.1	8	455			650			27			
265	2.7		460			655			28			
270	3.0	7	465			660			29			
275	3.3		470			665			30			
280	2.6	6	475			670						
285	2.1		480			675						
290	2.1	5	485			680						

DISTRIBUTION - original - permanent CPS FILE
 copy - Division Corrosion Supervisor
 copy - Region Corrosion Specialist

1128, 119, 166

API WATER ANALYSIS REPORT FORM

Laboratory No. 25910710-1B

Company <u>Meridian Oil</u>		Sample No.		Date Sampled <u>7-5-91</u>	
Field		Legal Description <u>3W 33 32-9</u>		County or Parish <u>San Juan</u>	
Lease or Unit		Well <u>SAN JUAN 32-9 #283</u>		State <u>N.M.</u>	
Type of Water (Produced, Supply, etc.)		Depth		Formation	
Sampling Point <u>C.P. Gr. Bed</u>		Water, B/D		Sampled By <u>DAVID ASHWORTH</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>6200</u>	<u>270</u>
Calcium, Ca	<u>6</u>	<u>0.3</u>
Magnesium, Mg	<u>21</u>	<u>1.7</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.6</u>
Specific Gravity, 60/60 F.	<u>1.0102</u>
Resistivity (ohm-meters) <u>68</u> F.	<u>1.60</u>

ANIONS

Chloride, Cl	<u>1400</u>	<u>40</u>
Sulfate, So ₄	<u>2900</u>	<u>60</u>
Carbonate, CO ₃	<u>330</u>	<u>11</u>
Bicarbonate, HCO ₃	<u>10000</u>	<u>160</u>

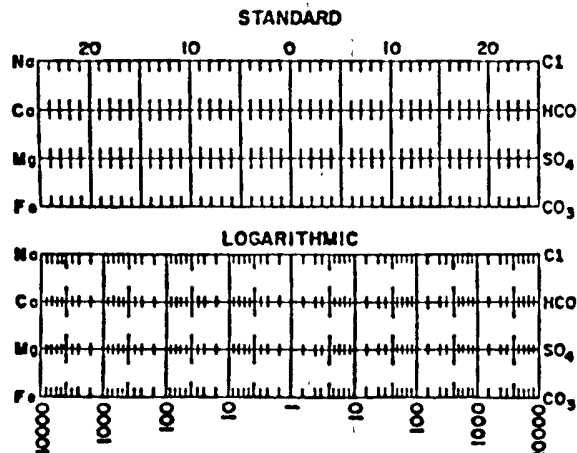
Total Dissolved Solids (calc.)

21000

Iron, Fe (total)

Sulfide, as H₂S

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

Date Received <u>7-10-91</u>	Preserved <u>No</u>	Date Analyzed <u>7-5-91</u>	Analyzed By <u>ES</u>
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