

12-30-045-10805
108-30-045-028097
261-30-045-27898

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

542
Operator Meridian Oil Company ^{394W} Location: Unit M Sec. 10 Twp 31 Rng 9
Name of Well/Wells or Pipeline Serviced San Juan 32-9#261, #12,
#108
Elevation 6569 Completion Date 6-27-91 Total Depth 405 Land Type F
Casing Strings, Sizes, Types & Depths 100' 8" PVC
If Casing Strings are cemented, show amounts & types used yes - 20 sac
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. 130' - Fresh water @ 130'
Depths gas encountered: NO GAS
Ground bed depth with type & amount of coke breeze used: 402'
Loresco SW
Depths anodes placed: #1-385', #2-375', #3-365', #4-355', #5-305', #6-295', #7-285', #8-2
#9-259', #10-250', #11-240', #12-2
Depths vent pipes placed: 402'
Vent pipe perforations: 100' to 402'
Remarks: No Gas encountered in drilling of hole

RECEIVED

FEB 24 1992

OIL CON. DIV.
DIST. 3

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 GROUP BED CONSTRUCTION WORKSHOPS

CPDN 394-W		P/L NAME(s), NUMBER(s) San Juan 32-9 #261				
3 *	TOTAL	VOLTS 12.2	AMPS 16.8	- OHMS .72	DATE 6-27-91	NAME David Ashworth

REMARKS (notes for construction log)

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100	.5		295	2.1	6	490			685			
105			300	2.2		495			690			
110	.6		305	1.8	5	500			695			
115	.8		310	1.5		505			700			
120	1.0		315	1.0		510			ANODE	DEPTH	NO	FULLY
125	1.0		320	.7		515			*		COKE	COKE D
130	.9		325	.7		520			1	385	2.4	4.1
135	.8		330	.7		525			2	375	2.6	4.4
140	.8		335	.9		530			3	365	2.2	3.7
145	.8		340	1.0		535			4	355	2.4	3.7
150	.9		345	1.4		540			5	305	2.2	3.7
155	1.1		350	2.0		545			6	295	2.3	3.9
160	1.1		355	2.2	4	550			7	285	2.9	4.2
65	1.5		360	2.1		555			8	276	2.1	4.2
70	1.6		365	2.0	3	560			9	259	2.3	3.7
175	1.0		370	2.2		565			10	250	2.7	3.9
180	.8		375	2.5	2	570			11	240	3.4	5.1
185	.6		380	2.3		575			12	230	3.2	4.5
190	.5		385	2.4	1	580			13			
195	.5		390	1.8		585			14			
200	.5		395	.9		590			15			
205	.6		400	.9		595			16			
210	.7		405	402.70		600			17			
215	1.1		410			605			18			
220	1.2		415			610			19			
225	1.4		420			615			20			
230	2.2	12	425			620			21			
235	3.2		430			625			22			
240	2.7	11	435			630			23			
245	2.3		440			635			24			
250	2.4	10	445			640			25			
255	2.3		450			645			26			
260	2.1	9	455			650			27			
265	1.8		460			655			28			
270	1.5		465			660			29			
275	1.7	8	470			665			30			
280	2.5		475			670						
285	2.5	7	480			675						
290	2.7		485			680						

DISTRIBUTION - original - permanent CPB FILE

copy - Division Correction Supervisor

copy----- Region Corrosion Specialist

56 Bags

API WATER ANALYSIS REPORT FORM

Laboratory No. <u>25910710-1D</u>		Sample No.		Date Sampled <u>6-26-91</u>	
Company <u>Meridian Oil</u>		Field		Legal Description <u>M-10 31-9</u>	
County or Parish <u>SAN JUAN</u>		State <u>N.M.</u>			
Lease or Unit		Well <u>S.J. 32-9 #261</u>		Depth	
Formation <u>Coal Seam</u>		Water, B/D			
Type of Water (Produced, Supply, etc.) <u>GR. Bed.</u>		Sampling Point		Sampled By <u>D. Ashworth</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>5300</u>	<u>230</u>
Calcium, Ca	<u>12</u>	<u>0.6</u>
Magnesium, Mg	<u>85</u>	<u>7</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.2</u>
Specific Gravity, 60/60 F.	<u>1.0099</u>
Resistivity (ohm-meters) <u>69</u> F.	<u>1.62</u>

ANIONS

Chloride, Cl	<u>1300</u>	<u>38</u>
Sulfate, So ₄	<u>450</u>	<u>9.3</u>
Carbonate, CO ₃	<u>0</u>	<u>0</u>
Bicarbonate, HCO ₃	<u>12000</u>	<u>190</u>

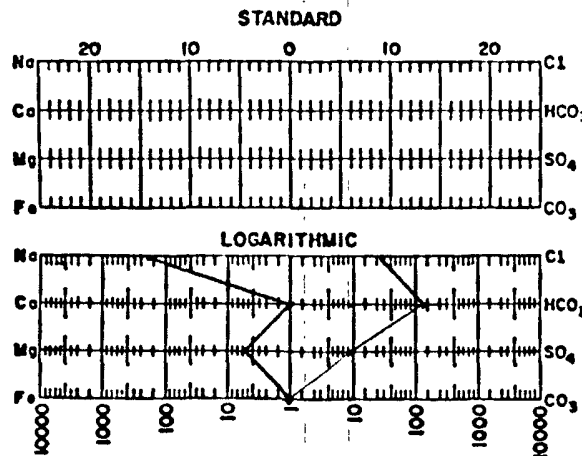
Total Dissolved Solids (calc.)

19000

Iron, Fe (total)

Sulfide, as H₂S

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

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