

29-30-045-11131

230-30-045-27002

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

Operator Meridian Oil ^{357W} Location: Unit M Sec. 36 Twp 32 Rng 10

Name of Well/Wells or Pipeline Serviced San Juan 32-9 #29 + #230

Elevation 668' Completion Date 7-8-91 Total Depth 380' Land Type F

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

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 Seep at 170' - Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 380'
Lolesco SW - 55 Bags - From 380' up to 105'

Depths anodes placed: #1-365', #2-355', #3-333', #4-323', #5-300', #6-290', #7-290', #8-260'

Depths vent pipes placed: 380' to Surface #9-255', #10-245', #11-225', #12-

Vent pipe perforations: From 380' to 80'

Remarks: No gas encountered in drilling

RECEIVED

FEB 24 1992

OIL CON. DIV.

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# 357-W P/L NAME(S), NUMBER(S) San Juan 32-9 * 29 + 230
 W K416 TOTAL VOLTS 12.4 AMPS 15.0 OHMS .82 DATE 7-8-91 NAME David A. Schwab

REMARKS (notes for construction log)

Drilled 385 - Pay 380
 Little Water Seepage - 170-175

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	NO. COKE	FULLY COOK'D
100	1.5		295	2.4		490			685							
105	2.1		300	2.0	5	495			690							
110	2.3		305	1.2		500			695							
115	1.6		310	.7		505			700							
120	.8		315	.7		510										
125	.5		320	1.2		515										
130	.4		325	2.9	4	520										
135	.4		330	2.4		525										
140	.4		335	1.8	3	530										
145	.5		340	1.4		535										
150	.7		345	1.4		540										
155	1.5		350	1.6		545										
160	2.0		355	2.5	2	550										
	1.3		360	3.0		555										
170	.6		365	2.8	1	560										
175	.4		370	2.4		565										
180	.4		375	2.8		570										
185	.4		380	3.0		575										
190	.4		385			580										
195	.5		390			585										
200	.4		395			590										
205	.5		400			595										
210	.9		405			600										
215	1.7	12	410			605										
220	2.4		415			610										
225	1.9	11	420			615										
230	1.2		425			620										
235	1.1		430			625										
240	1.4		435			630										
245	2.3	10	440			635										
250	2.5		445			640										
255	2.4	9	450			645										
260	2.5		455			650										
265	2.0	8	460			655										
270	1.7		465			660										
275	1.7		470			665										
280	2.1	7	475			670										
285	2.5		480			675										
	2.4	6	485			680										

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

API WATER ANALYSIS REPORT FORM

 Laboratory No. 25910710-12

Company <u>Meridian Oil</u>		Sample No.	Date Sampled <u>7-8-91</u>	
Field	Legal Description <u>M-36, 32-10</u>	County or Parish <u>SAN JUAN</u>	State <u>N.M.</u>	
Lease or Unit	Well <u>SJ 32-9 # 230</u>	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.) <u>GROUND BED</u>		Sampling Point		Sampled By <u>D. ASHWORTH</u>



TECH, Inc.
333 East Main
Farmington
New Mexico
87401

505/327-3311

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>4800</u>	<u>210</u>
Calcium, Ca	<u>6</u>	<u>0.3</u>
Magnesium, Mg	<u>33</u>	<u>2.7</u>
Barium, Ba		

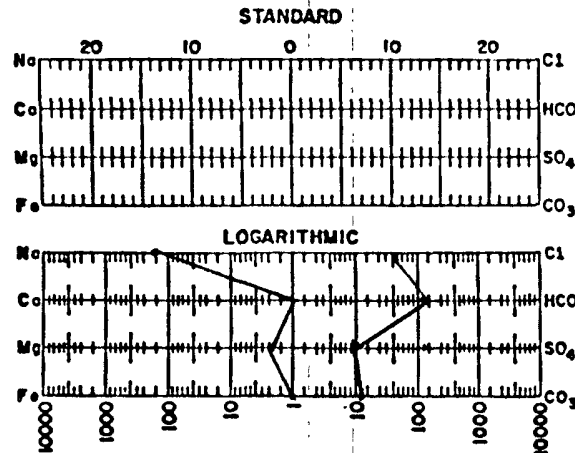
OTHER PROPERTIES

pH	<u>8.6</u>
Specific Gravity, 60/60 F.	<u>1.0105</u>
Resistivity (ohm-meters) <u>50'</u> F.	<u>169</u>

ANIONS

Chloride, Cl	<u>1700</u>	<u>47</u>
Sulfate, So ₄	<u>450</u>	<u>9.4</u>
Carbonate, CO ₃	<u>490</u>	<u>16</u>
Bicarbonate, HCO ₃	<u>8400</u>	<u>140</u>

WATER PATTERNS — me/l



Total Dissolved Solids (calc.)	<u>16000</u>
Iron, Fe (total)	
Sulfide, as H ₂ S	

REMARKS & RECOMMENDATIONS:

Date Received <u>7-10-91</u>	Preserved <u>No</u>	Date Analyzed <u>7-11-91</u>	Analyzed By <u>ES</u>
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