262 - 30-045-21899 E

587 6 30-045-10796

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

2207W

Operator Meridian Oil Co. Location: Unit A Sec. 15 Twp 31 Rng 9

Name of Well/Wells or Pipeline Serviced SJ 32-9 # 262, # 6

Elevation 6570 Completion Date 6-29-91 Total Depth 440 Land Type F

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

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

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. 140' - Fresh

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OIL CON. DIV.
DIST. 3

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 440' - Gr. Bed Depth

Loresco - SW 115' to 440' (65 Bags)

Depths anodes placed: #1-425', #2-415', #3-380', #4-370', #5-360', #6-350', #7-305', #8-295', #9-285', #10-275', #11-265', #12-25

Depths vent pipes placed: 440' to Surface

Vent pipe perforations: 140' - 440'

Remarks: No gas encountered in drilling of hole
Water sample taken at 140'

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# 2207	P/L NAME(s), NUMBER(s) SJ 32-9 # 262					
[redacted] # 6042	TOTAL	VOLTS 12.2	AMPS 16.9	= OHMS .72	DATE 6-29-91	NAME David Ashworth

REMARKS (notes for construction log)

H_2O at 140'

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100	.6		295	2.8	6	490			685			
105	.7		300	2.6		495			690			
110	.6		305	2.2	7	500			695			
115	.6		310	1.2		505			700			
120	.7		315	.9		510			ANODE #	DEPTH	NO COKE	FULLY COKED
125	.7		320	.7		515						
130	.6		325	.6		520			1	425	2.9	4.3
135	.6		330	.6		525			2	415	2.4	4.0
140	.7		335	.8		530			3	380	2.4	4.0
145	.7		340	1.0		535			4	370	2.5	4.1
150	.9		345	1.4		540			5	360	2.6	4.1
155	1.1		350	2.5	6	545			6	350	2.5	4.0
160	1.2		355	2.5		550			7	305	2.5	4.0
[redacted]5	1.8		360	2.6	5	555			8	295	3.0	5.1
[redacted]70	1.9		365	2.6		560			9	285	3.8	5.8
175	1.6		370	2.4	4	565			10	275	2.9	4.6
180	.8		375	2.4		570			11	265	2.7	4.3
185	.6		380	2.1	3	575			12	255	2.6	4.0
190	.6		385	1.1		580			13			
195	.6		390	.9		585			14			
200	.7		395	.9		590			15			
205	.7		400	.9		595			16			
210	.7		405	1.0		600			17			
215	.8		410	2.2		605			18			
220	1.0		415	2.4	2	610			19			
225	1.1		420	3.0		615			20			
230	2.0		425	2.9	1	620			21			
235	2.7		430	2.4		625			22			
240	3.3		435	2.3		630			23			
245	2.7		440	TD-440		635			24			
250	2.5		445			640			25			
255	2.5	12	450			645			26			
260	2.7		455			650			27			
265	2.5	11	460			655			28			
270	2.6		465			660			29			
275	2.9	10	470			665			30			
280	2.8		475			670						
285	3.8	9	480			675						
[redacted]0	3.2		485			680						

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

65-3495

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-910710-1K

Company	Sample No.	Date Sampled
Meridian Oil		6-29-91

Field	Legal Description	County or Parish	State
	A-15, 31-9	San Juan	N.M.

Lease or Unit	Well	Depth	Formation	Water, B/D
	SJ 32-9 # 262		Coal Seam	

Type of Water (Produced, Supply. etc.)	Sampling Point	Sampled By
C.P. Gr. Bed		D. Ashworth

TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

DISSOLVED SOLIDS

CATIONS	*mg/l*	*me/l*
Sodium, Na (calc.)	2700	120
Calcium, Ca	8	0.4
Magnesium, Mg	7	0.6
Barium, Ba		

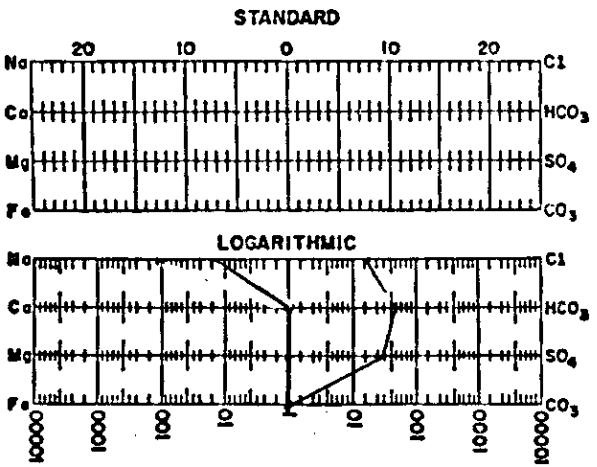
ANIONS		
Chloride, Cl	570	16
Sulfate, So_4	1900	39
Carbonate, CO_3	0	0
Bicarbonate, HCO_3	3200	53

Total Dissolved Solids (calc.)	6400
Iron, Fe (total)	
Sulfide, as H_2S	

OTHER PROPERTIES

pH	8.0
Specific Gravity, 60/60 F.	1.0049
Resistivity (ohm-meters) 49° F.	1.7

WATER PATTERNS — *me/l*



REMARKS & RECOMMENDATIONS:

Date Received	Preserved	Date Analyzed	Analyzed By
7-10-91	NO	7-10-91	ES