

641

4-30-045-06291

501-30-045-28448

E

22652

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Location: Unit B Sec. 25 Twp 27 Rng 10Name of Well/Wells or Pipeline Serviced Frost #501 + #4Elevation _____ Completion Date 12/5/91 Total Depth 420' Land Type FCasing Strings, Sizes, Types & Depths 100' of 8" PVC CASINGIf Casing Strings are cemented, show amounts & types used 24 SACKSIf Cement or Bentonite Plugs have been placed, show depths & amounts used
NONEDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. FRESH WATER WAS ENCOUNTERED AT
140'Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: Drilled To 420'
Used 26 SACKS OF LOFESCO AND 70 SACKS OF ASBURY (6100#)Depths anodes placed: 380', 360', 350', 340', 330', 320', 310', 300', 290', 280', 270' + 260'Depths vent pipes placed: SURFACE TO 420'Vent pipe perforations: BOTTOM 300'

Remarks: _____

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 GROUND BED CONSTRUCTION WORKSHEET

CPS#	P/L NAME(s), NUMBER(s)					DATE	NAME
2265W	Frost #501 + #4					12/5/91	JOHN L. MOSS
WO #	TOTAL	VOLTS	AMPS	- OHMS			
M685		12.2	19.4	.63			

REMARKS (notes for construction log)

Drilled To 420', HIT WATER

AT 140'. HAS 100' OF 8" PVC CASING, CEMENTED WITH 24 SACKS.

Vent Pipe WAS INSTALLED WITH THE BOTTOM 300' PERFORATED.

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100			295	2.2		490			685			
105			300	2.3	8	495			690			
110			305	2.3		500			695			
115			310	2.2	7	505			700			
120			315	2.7		510			ANODE	DEPTH	NO	FULLY
125	1.2		320	3.5	6	515			*		COKE	COKE
130	1.1		325	3.5		520			1	380	2.4	3.1
135	1.1		330	3.7	5	525			2	360	3.6	5.6
140	1.2		335	3.6		530			3	350	3.5	5.2
145	1.4		340	3.1	4	535			4	340	2.9	4.8
150	1.8		345	2.3		540			5	330	2.4	4.1
155	2.8		350	2.3	3	545			6	320	2.2	4.1
160	2.9		355	3.4		550			7	310	2.5	4.3
165	2.2		360	3.2	2	555			8	300	3.9	6.1
170	1.6		365	2.2		560			9	290	3.5	6.0
175	1.0		370	2.0		565			10	280	2.6	4.5
180	1.0		375	1.6		570			11	270	2.7	3.6
185	1.1		380	2.3	1	575			12	260	2.0	3.2
190	1.9		385	1.4		580			13			
195	2.7		390	1.5		585			14			
200	2.6		395	1.7		590			15			
205	2.0		400	1.2		595			16			
210	1.5		405	1.1		600			17			
215	1.5		410	1.1		605			18			
220	1.8		415	1.3		610			19			
225	1.8		420			615			20			
230	1.4		425			620			21			
235	1.2		430			625			22			
240	1.5		435			630			23			
245	1.9		440			635			24			
250	2.4		445			640			25			
255	2.8		450			645			26			
260	2.3	12	455			650			27			
265	4.0		460			655			28			
270	3.6	11	465			660			29			
275	4.0		470			665			30			
280	3.1	10	475			670						
285	2.6		480			675						
290	2.2	9	485			680						

DISTRIBUTION - original - permanent CPS FILE

COPY - Division Corrosion Supervisor

COPY - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-920103-2E

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>12-5-91</u>	
Field <u>2265W</u>		Legal Description <u>B-25-27-10</u>		County or Parish <u>San Juan</u>	
Lease or Unit		Well <u>Frost #501, #.4</u>	Depth <u>140'</u>	Formation <u>Water Table</u>	Water, B/D
Type of Water (Produced, Supply, etc.) <u>Produced</u>		Sampling Point <u>Deepwell Groundbed</u>			Sampled By <u>J. L. Moss</u>



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

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>620</u>	<u>27</u>
Calcium, Ca	<u>160</u>	<u>7.9</u>
Magnesium, Mg	<u>15</u>	<u>1.2</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.23</u>
Specific Gravity, 60/60 F.	<u>1.0025</u>
Resistivity (ohm-meters) <u>63</u> F.	<u>4.3</u>

Total Dissolved Solids (calc.)

2,500

ANIONS

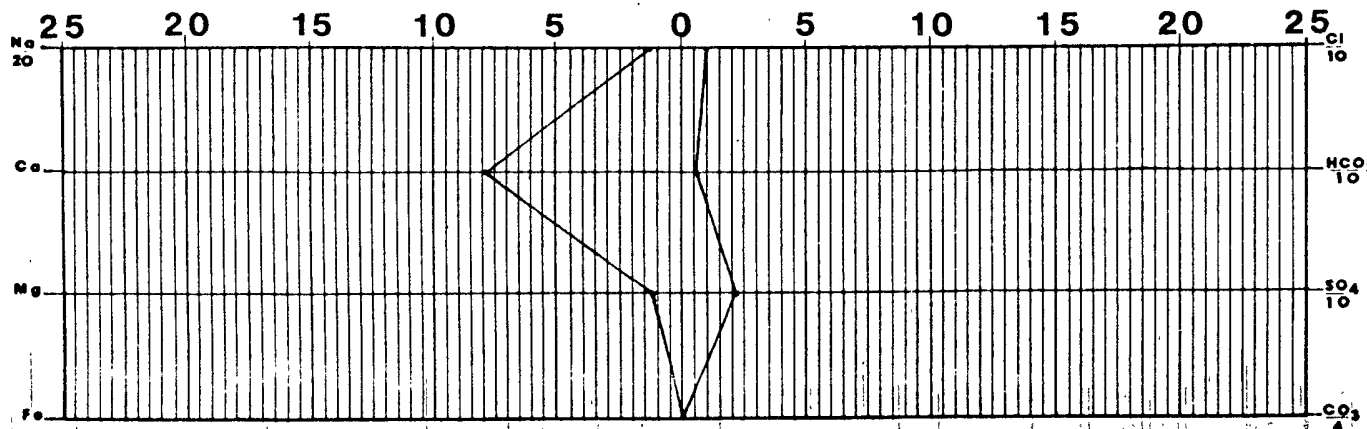
Chloride, Cl	<u>333</u>	<u>9.4</u>
Sulfate, SO_4	<u>1,030</u>	<u>21</u>
Carbonate, CO_3	<u>-</u>	<u>-</u>
Bicarbonate, HCO_3	<u>340</u>	<u>5.6</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

ATTN: C. W. DONOHUE



Date Received <u>3rd Jan, 1992.</u>	Preserved	Date Analyzed <u>16th Jan, 1992.</u>	Analyzed By <u>R.H.</u>
--	-----------	---	----------------------------

22652

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

Operator Meridian Location: Unit B Sec. 25 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced Frost #501 + #4

Elevation _____ Completion Date 12/5/91 Total Depth 420' Land Type F

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

If Casing Strings are cemented, show amounts & types used 24 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. FRESH WATER WAS ENCOUNTERED AT 140'

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: Drilled to 420'

Used 26 SACKS OF LOTESCO AND 70 SACKS OF ASBURY (6100#)

Depths anodes placed: 350', 360', 350', 340', 330', 320', 310', 300', 290', 280', 270', & 260'

Depths vent pipes placed: SURFACE TO 420'

Vent pipe perforations: BOTTOM 300'

Remarks: _____

FEB 24 1992

OIL CON. DIV.
DIST. 2

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#	2265W	P/L NAME (S), NUMBER (S)	Frost #501 + #4				
NO #	M685	TOTAL	VOLTS	AMPS	- OHMS	DATE	NAME
			12.2	19.4	.63	12/5/91	JOHN L. MOSS

REMARKS (notes for construction log)

Drilled TO 420', HIT WATER

AT 140'. HAS 100' OF 8" PVC CASING, CEMENTED WITH 24 SACKS.
VENT PIPE WAS INSTALLED WITH THE BOTTOM 300' PERFORATED.

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100			295	2.2		490			685			
105			300	2.3	8	495			690			
110			305	2.3		500			695			
115			310	2.2	7	505			700			
120			315	2.7		510			ANODE	DEPTH	NO	FULLY
125	1.2		320	3.5	6	515			*		COKE	COKE
130	1.1		325	3.5		520			1	380	2.4	3.1
135	1.1		330	3.7	5	525			2	360	3.6	5.6
140	1.2		335	3.6		530			3	350	3.5	5.2
145	1.4		340	3.1	4	535			4	340	2.9	4.8
150	1.8		345	2.3		540			5	330	2.4	4.1
155	2.8		350	2.3	3	545			6	320	2.2	4.1
160	2.9		355	3.4		550			7	310	2.5	4.3
165	2.2		360	3.2	2	555			8	300	3.9	6.1
170	1.6		365	2.2		560			9	290	3.5	6.0
175	1.0		370	2.0		565			10	280	2.4	4.5
180	1.0		375	1.6		570			11	270	2.7	3.6
185	1.1		380	2.3	1	575			12	260	2.0	3.2
190	1.9		385	1.4		580			13			
195	2.7		390	1.5		585			14			
200	2.6		395	1.7		590			15			
205	2.0		400	1.2		595			16			
210	1.5		405	1.1		600			17			
215	1.5		410	1.1		605			18			
220	1.8		415	1.3		610			19			
225	1.8		420			615			20			
230	1.4		425			620			21			
235	1.2		430			625			22			
240	1.5		435			630			23			
245	1.9		440			635			24			
250	2.4		445			640			25			
255	2.8		450			645			26			
260	3.3	12	455			650			27			
265	4.0		460			655			28			
270	3.6	11	465			660			29			
275	4.0		470			665			30			
280	3.1	10	475			670						
285	2.6		480			675						
290	2.2	9	485			680						

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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-920103-2E

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>12-5-91</u>	
Field <u>2265W</u>		Legal Description <u>B-25-27-10</u>		County or Parish <u>San Juan</u>	
Lease or Unit		Well <u>Frost #501, #4</u>		Depth <u>140'</u>	
		Formation <u>Water Table</u>		Water, B/D	
Type of Water (Produced, Supply, etc.) <u>Produced</u>		Sampling Point <u>Deepwell Groundbed</u>		Sampled By <u>J. L. Moss</u>	



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

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>620</u>	<u>27</u>
Calcium, Ca	<u>160</u>	<u>7.9</u>
Magnesium, Mg	<u>15</u>	<u>1.2</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.23</u>
Specific Gravity, 60/60 F.	<u>1.0025</u>
Resistivity (ohm-meters) <u>63</u> F.	<u>4.3</u>

Total Dissolved Solids (calc.)

2,500

ANIONS

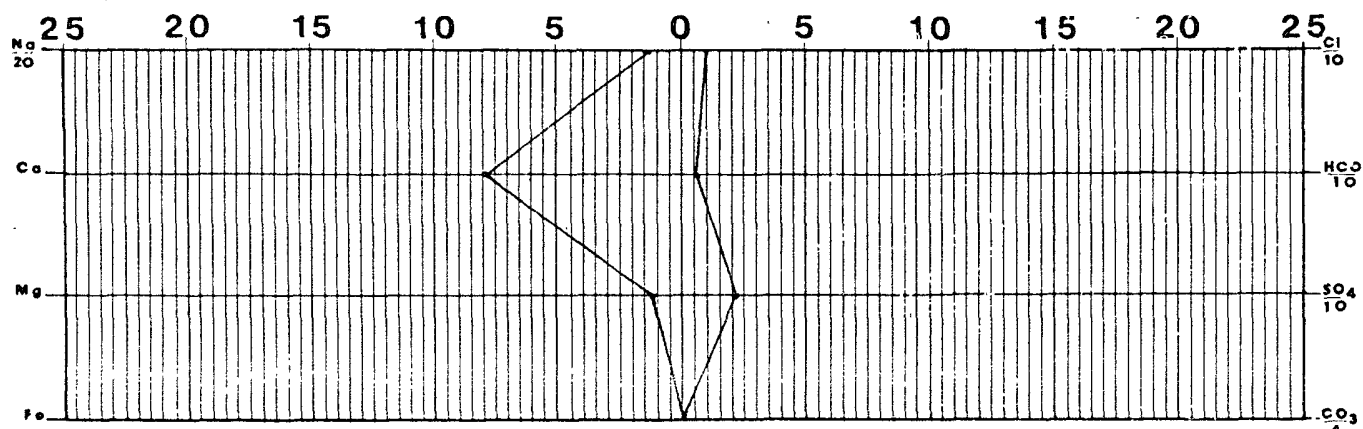
Chloride, Cl	<u>333</u>	<u>9.4</u>
Sulfate, SO_4	<u>1,030</u>	<u>21</u>
Carbonate, CO_3	<u>-</u>	<u>-</u>
Bicarbonate, HCO_3	<u>340</u>	<u>5.6</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

ATTN: C. W. DONOHUE



Date Received <u>3rd Jan, 1992.</u>	Preserved	Date Analyzed <u>16th Jan, 1992.</u>	Analyzed By <u>R.H.</u>
--	-----------	---	----------------------------