559 50-30-039-07303 406-30-039-24502 E 11600

160-30-039-20376

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

Operator MERIDIAN OIL INC Location: Unit SW Sec. 19 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced S.J. 28-6 # 406, SJ 28-6 # 160, SJ. 28-6 - # 50

Elevation 6595 Completion Date 9-7-91 Total Depth 460' Land Type SF 080430-1

Casing Strings, Sizes, Types & Depths 86' 8" PVC SURFACE CASING

If Casing Strings are cemented, show amounts & types used 20 SACKS CEMENT

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. APPROXIMATELY 290', CAUGHT SAMPLE - CLEAR

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: 460', 150 SACKS of Asbury A518 Flo Coke

Depths anodes placed: 427, 417, 407, 397, 387, 377, 367, 357, 347, 338, 328, 318

Depths vent pipes placed: 460'

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)					
1160 W	SJ 28-6-#A06 · S.J 28-6-#160 ; SJ 28-6-#50					
WO #	TOTAL	VOLTS	AMPS	= OHMS	DATE	NAME
		12.96	13.8	.94	9-7-91	W.R MCGAHA

REMARKS (notes for construction log)

86' 8" PVC surface casing cemented w/ 20 sacks. Hit H2O approx. 290'; Installed 660' 1" PVC vent pipe perforated bottom 300'. Loaded 150 sacks Asbury 4518 Flo Coke.

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100			295	.6		490			685			
105			300	.5		495			690			
110			305	.5		500			695			
115			310	.5		505			700			
120			315	.5		510			ANODE #	DEPTH	NO COKE	FULLY COK'D
125			320	.6		515			1	427	1.2	3.4
130			325	.8		520			2	417	2.3	5.3
135			330	.9		525			3	407	1.7	4.9
140			335	1.2		530			4	397	1.7	5.1
145			340	1.9		535			5	387	1.7	5.2
150			345	2.6		540			6	377	1.9	5.1
155			350	2.1		545			7	367	2.0	4.7
160			355	1.5		550			8	357	1.9	5.3
165			360	1.4		555			9	347	2.1	5.3
170			365	1.9		560			10	338	1.5	4.4
175			370	1.8		565			11	328	.8	2.4
180			375	1.6		570			12	318	.6	2.2
185			380	1.5 ✓		575			13			
190			385	1.7		580			14			
195			390	1.7 ✓		585			15			
200	1.0		395	1.6		590			16			
205	1.0		400	1.7 ✓		595			17			
210	1.0		405	1.9		600			18			
215	.8		410	2.3 ✓		605			19			
220	.9		415	2.1		610			20			
225	.7		420	1.7 ✓		615			21			
230	1.1		425	1.3		620			22			
235	1.1		430	1.1 ✓		625			23			
240	.7		435	1.0		630			24			
245	.6		440	.7		635			25			
250	.5		445	.6		640			26			
255	.5		450	.6		645			27			
260	.5		455	.6	A60	650			28			
265	.9		460			655			29			
270	.8		465			660			30			
275	.7		470			665						
280	1.2		475			670						
285	1.0		480			675						
290	.8		485			680						

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

API WATER ANALYSIS REPORT FORM

1160W

Laboratory No. 25910909-1A

Company	Sample No.	Date Sampled
MERIDIAN OIL		9/7/91

Field	Legal Description	County or Parish	State
	SW 19-28-6	RIO ARRIBA	N.M.

Lease or Unit	Well	Depth	Formation	Water, B/D
	SJ 28-6 #406		FC GR. BED	

Type of Water (Produced, Supply, etc.)	Sampling Point	Sampled By
	GROUND BED	W.R. McGAHA

DISSOLVED SOLIDS

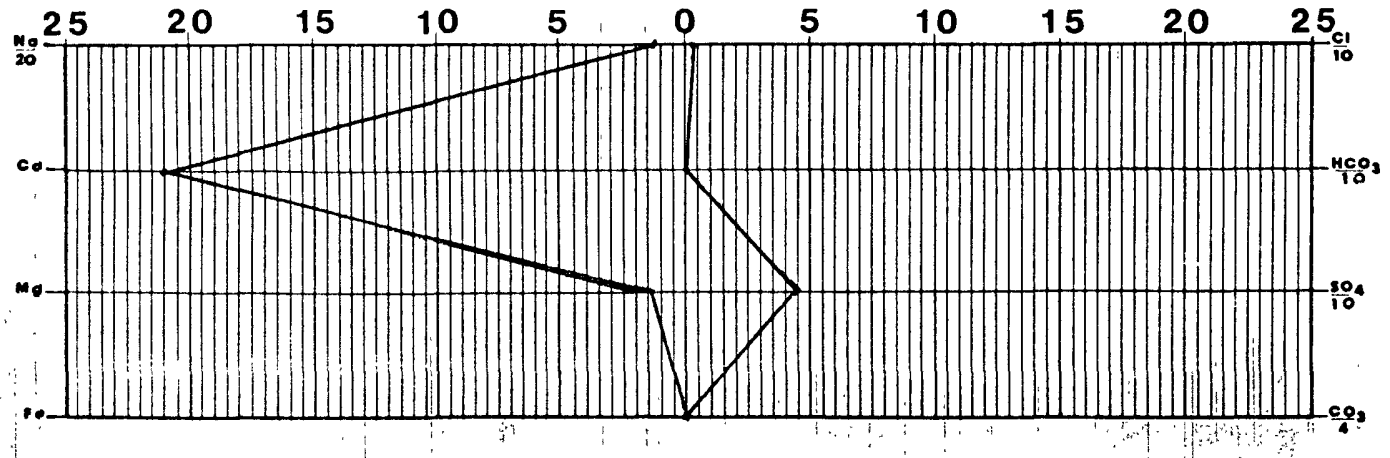
CATIONS	mg/l	me/l
Sodium, Na (calc.)	590	26
Calcium, Ca	410	21
Magnesium, Mg	16	1.3
Barium, Ba		

ANIONS		
Chloride, Cl	110	3.0
Sulfate, So_4	2100	44
Carbonate, CO_3	0	0
Bicarbonate, HCO_3	55	0.9

OTHER PROPERTIES

pH	8.0
Specific Gravity, 60/60 F.	1.0044
Resistivity (ohm-meters) 72° F.	3.40
Total Dissolved Solids (calc.)	3360
Iron, Fe (total)	
Sulfide, as H_2S	

REMARKS & RECOMMENDATIONS:



Date Received	Preserved	Date Analyzed	Analyzed By
09/09/91	No	9/9-10/91	ES

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