

4391

30-045-12139

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 7 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL C #3

cps 14w

Elevation 6039 Completion Date 11/28/90 Total Depth 460' Land Type* N/A

Casing, Sizes, Types & Depths 20' OF 8" PVC CASING

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 180' SAMPLE TAKEN

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST. 3

Type & amount of coke breeze used: 3800 lbs.

Depths anodes placed: 420', 410', 400', 390', 380', 370', 360', 350', 340', 330'

Depths vent pipes placed: 450' OF 1" PVC VENT PIPE

Vent pipe perforations: 200'

Remarks: 5-gb #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.

**WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG**

Drilling Log (Attach Here) ☒Completion Date 11-28-90

CPS #	Well Name, Line or Plant:	Work Order #	State:	Ins. Union Check
14-W	Howell C #3			☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
NE-30.8	2" X 60"	7.00 TPC	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Cable Used	Last Circulation Meter Used
450	450		3800 #	
Anode Depth				
#1 420	#2 410	#3 400	#4 390	#5 380
#6 370	#7 360	#8 350	#9 340	#10 330
Anode Output (Amps)				
#1 33	#2 5.3	#3 5.5	#4 5.1	#5 3.4
#6 2.8	#7 3.1	#8 4.7	#9 4.1	#10 5.8
Anode Depth				
#11	#12	#13	#14	#15
#16	#17	#18	#19	#20
Anode Output (Amps)				
#11	#12	#13	#14	#15
#16	#17	#18	#19	#20
Total Circuit Resistance			No. # C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.7	Amps 17.8	Ohms .65		

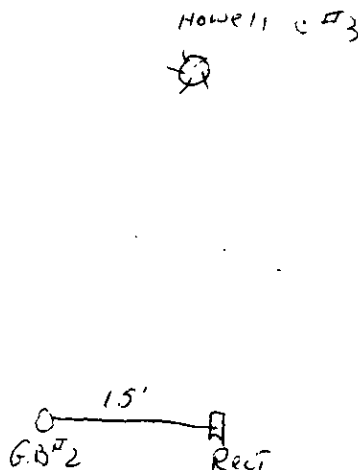
Remarks: Set 20' of 8" PVC casing. DRILLER said water at 200' waited 30 minutes. Blew water. Got water sample. Ran 450' of 1" PVC Vent Pipe. Perforated 200' of Vent Pipe. Left coke breeze approximately 285'

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: _____ 10'
 Ditch & 1 Cable: _____ 15'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: _____ 1

All Construction Completed

William Knight Jr.
 (Signature)

GROUND BED LAYOUT SKETCH



**P.O. BOX 1359 • PHONE 334-6141
AZTEC, NEW MEXICO 87410**

COMPANY Meridian Oil DAILY DRILLING REPORT 11-28 1990

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
Howell C #3	C#3	7	30	8

WATER AT:

185

FEET:

HOLE MADE:

460'

DESCRIPTION OF FORMATION

[illegible]

REMARKS: SET 20' 8" PVC CASING, OBTAINED WATER SAMPLE AT 180'

Drilled to 460'

Brian L. Bunge

Driller

Tool Dresser

Meridian Oil

CPS #: 14-W WELL NAME: Howell C-3 LOCATION: WF7-30-8 DATE: 11-28-90

TOTAL VOLTS: 11.7 TOTAL AMPS: 12.8 OHMS RESISTANCE: 65

												ANODE READINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5		-	185	1.6		365	1.3		545			1	420	1.8	3.3
10			190	1.3		370	1.1	4	550			2	410	3.1	5.3
15			195	1.80		375	1.1		555			3	400	3.2	5.5
20			200	1.70		380	1.2	5	560			4	390	3.2	5.1
25			205	1.70		385	1.8		565			5	380	1.6	3.4
30			210	1.70		390	2.3	4	570			6	370	1.3	2.8
35			215	1.70		395	2.5		575			7	360	1.7	3.1
40			220	1.60		400	2.4	3	580			8	350	2.6	4.7
45			225	1.60		405	2.3		585			9	340	2.3	4.1
50			230	1.50		410	2.4	2	590			10	330	2.9	5.8
55			235	1.50		415	1.9		595						
60			240	1.1		420	1.5	1	600						
65			245	1.90		425	1.80		605						
70			250	1.0		430	1.70		610						
75			255	1.80		435	1.70		615						
80			260	1.70		440	1.90		620						
85			265	1.70		445	1.70		625						
90			270	1.80		450	1.70	T.D	630						
95			275	1.70		455			635						
100			280	1.70		460			640						
105			285	1.0		465			645						
110			290	1.90		470			650						
115			295	1.80		475			655						
120			300	1.3		480			660						
125			305	1.9		485			665						
130			310	1.9		490			670						
135			315	2.1		495			675						
140			320	2.0		500			680						
145			325	2.1		505			685						
150			330	2.2	10	510			690						
155			335	2.3		515			695						
160			340	2.2	9	520			700						
165			345	1.9		525			705						
170			350	2.1	8	530			710						
175			355	2.0		535			715						
180			360	1.6	7	540			720						

REMARKS: Set 20' of 8" PVC casing. DRILLER said wet at 160'. waited drilled to 200' waited 30 minute blow mud got water sample

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-901203-1B

Company MERIDIAN OIL INC.		Sample No.		Date Sampled 11-27-90	
Field CEDAR HILL		Legal Description NE 1-30-8		County or Parish	
Lease or Unit		Well HOWELL C#3	Depth 200'	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)			Sampling Point		
			Sampled By W. KNIGHT JR.		



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

DISSOLVED SOLIDS

CATIONS

Sodium, Na (calc.)
Calcium, Ca
Magnesium, Mg
Barium, Ba

mg/l

me/l

292

12.7

124

6.2

17

1.4

-

-

pH

7.41

Specific Gravity, 60/60 F.

1.0013

Resistivity (ohm-meters) 61 F.

4.5

Total Dissolved Solids (calc.)

1424

ANIONS

Chloride, Cl

68.2

1.92

Sulfate, SO_4

723

15.1

Carbonate, CO_3

-

-

Bicarbonate, HCO_3

200

3.27

-

-

Iron, Fe (total)

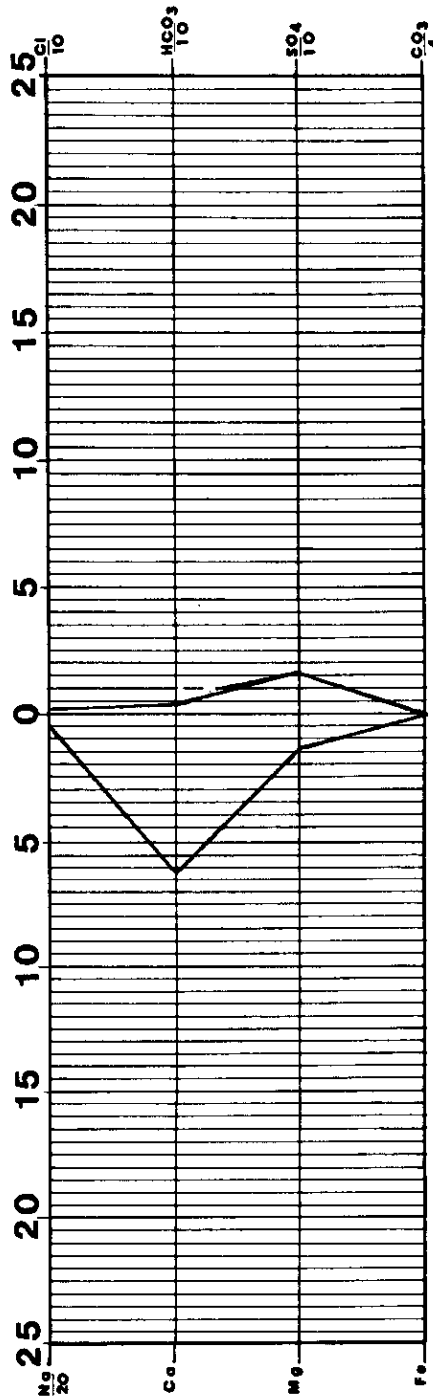
-

Sulfide, as H_2S

-

REMARKS & RECOMMENDATIONS:

ATTN: WARD ARNOLD



Date Received 3rd Dec, 1990.	Preserved	Date Analyzed 4th Dec, 1990.	Analyzed By R.H.
---------------------------------	-----------	---------------------------------	---------------------