

2/372

30-045-07169

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

Operator MERIDIAN OIL Location: Unit 6 Sec. 28 Twp 28 Rng 8

Name of Well/Wells or Pipeline Serviced GRAMBLING A #3

cps 5w

Elevation 5837' Completion Date 8/30/90 Total Depth 210' Land Type* N/A

Casing, Sizes, Types & Depths 20' 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. WATER 70' SAMPLE TAKEN.

Depths gas encountered: N/A

Type & amount of coke breeze used: 4100 lbs. ASHBURY PETROLEUM COKE.

Depths anodes placed: 195', 175', 155', 145', 135', 125', 115', 105', 95', 85'

Depths vent pipes placed: 210' OF PVC VENT PIPE

Vent pipe perforations: 140'

Remarks: Log 2

RECEIVED

MAY 31 1991

OIL CON. DIV
DIST "

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 Hereto) ☐Completion Date 8-30-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
5-W	Grambling A #3			☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
G28-28-8	2"X60"	ANDTEC	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
210'	210'		4100 #	
Anode Depth				
# 1 195	# 2 175	# 3 155	# 4 145	# 5 135
# 6 125	# 7 115	# 8 105	# 9 95	# 10 85
Anode Output (Amps)				
# 1 2.8	# 2 2.8	# 3 4.8	# 4 7.3	# 5 7.8
# 6 7.9	# 7 7.6	# 8 7.7	# 9 7.0	# 10 5.6
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. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.25	Amps 19.3	Ohms 163		

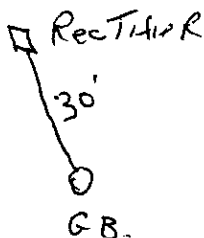
Remarks: Set 20' of 8" PVC casing. DRILLER said water at 70', waited 30 minutes
 Blew water and got water sample. Ran 210' of 1" PVC VENT P.P.R.
 Left coke breeze approximately 60'. Perforated 140' of vent
 P.P.R.

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 30'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

William Knight Jr.
 (Signature)

GROUND BED LAYOUT SKETCH



N

CONSTRUCTION LOGGING READINGS

Meridan Oil

CPS #: 5-W WELL NAME: Grambling A²³ LOCATION: G28-288 DATE: 8-30-90

TOTAL VOLTS: 12.25 TOTAL AMPS: 19.3 OHMS RESISTANCE: .63

												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	.90		365			545			1	195	1.4	2.8
10			190	1.0		370			550			2	175	1.2	2.8
15			195	1.1	1	375			555			3	155	2.0	4.8
20			200	1.2		380			560			4	145	3.9	7.3
25			205	1.1		385			565			5	135	4.1	7.8
30			210	-	TD	390			570			6	125	4.2	7.9
35			215			395			575			7	115	3.7	7.6
40			220			400			580			8	105	3.7	7.7
45			225			405			585			9	95	3.2	7.0
50			230			410			590			10	85	2.5	5.6
55			235			415			595						
60			240			420			600						
65			245			425			605						
70	50		250			430			610						
75	1.1		255			435			615						
80	1.3		260			440			620						
85	2.0	10	265			445			625						
90	1.9		270			450			630						
95	2.2	9	275			455			635						
100	2.3		280			460			640						
105	2.4	8	285			465			645						
110	2.4		290			470			650						
115	2.4	7	295			475			655						
120	2.5		300			480			660						
125	2.6	6	305			485			665						
130	2.4		310			490			670						
135	2.6	5	315			495			675						
140	2.4		320			500			680						
145	2.5	4	325			505			685						
150	2.2		330			510			690						
155	1.4	3	335			515			695						
160	.90		340			520			700						
165	.60		345			525			705						
170	.90		350			530			710						
175	1.0	2	355			535			715						
180	.90		360			540			720						

REMARKS: Driller said hit water at 70', waited 30 minutes.
 Blew water and got water sample. Set 20' of 8" PVC casing

API WATER ANALYSIS REPORT FORM

Laboratory No.

Company MERIDIAN OIL, Inc.		Sample No. CPS-5-W		Date Sampled 8/29/90
Field	Legal Description G-28-28-E	County or Parish		State
Lease or Unit GRAMBLING	Well A-3	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point 70'		Sampled By M.D. McFARLAND



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

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	396	17.2
Calcium, Ca	417	20.8
Magnesium, Mg	23	1.9
Barium, Ba		

OTHER PROPERTIES

pH	7.39
Specific Gravity, 60/60 F.	1.0052
Resistivity (ohm-meters) 77° F.	3.80

ANIONS

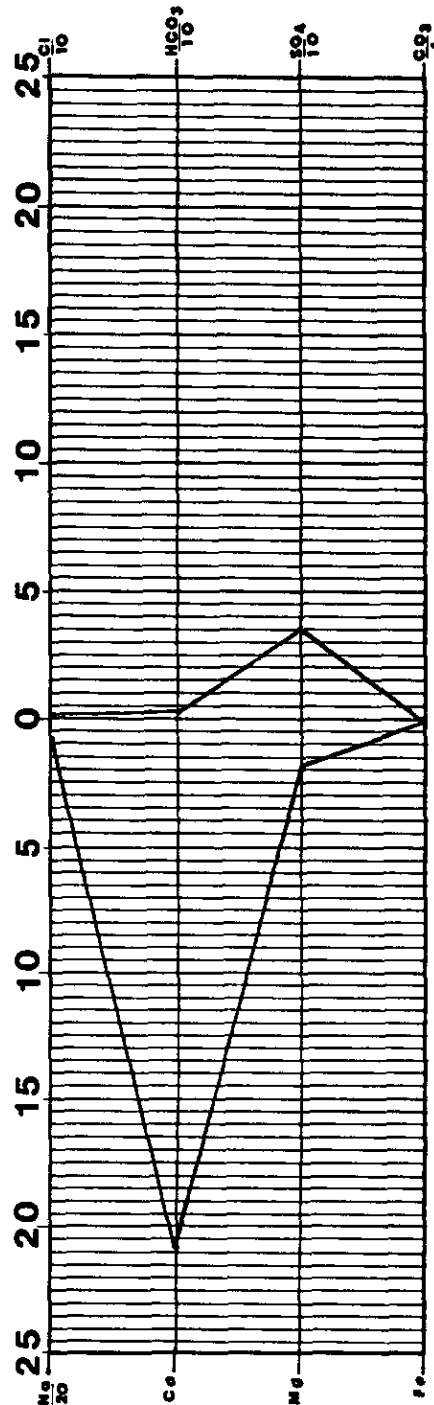
Chloride, Cl	32	0.9
Sulfate, So ₄	1700	35.4
Carbonate, CO ₃		
Bicarbonate, HCO ₃	222	3.6

Total Dissolved Solids (calc.)

2790

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



Date Received

9-5-90

Preserved

Date Analyzed

9-5-90

Analyzed By

MLC