

#70 → 30-039-07131

5184

#176 → 30-039-20812

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

Operator MERIDIAN OIL CO. Location: Unit G Sec. 8 Twp. 27 Rng. 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 # 70 & 176

cps 744w

Elevation 6617' Completion Date 10/2/90 Total Depth 360 Land Type N/A

Casing Strings, Sizes, Types & Depths 20 ft. 8" PVC Casing

If Casing Strings are 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: Fresh, Clear,
Salty, Sulphur, Etc. Water at 100 ft. got a water sample

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used:

355 ft. with 5500 lbs Ashbury Petroleum Coke

Depths anodes placed: 335, 305, 295, 285, 275, 215, 205, 195, 170, 160

Depths vent pipes placed: 360 ft.

Vent pipe perforations: 260 ft. perforated

Remarks: Gb #3

Gb #1 + Gb #2 + Gb #3 Attached

RECEIVED
MAY 31 1991
OIL & GAS
DIST. DIV.

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 10-2-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
744-W	SJ 27-5-#70 SJ 27-5 #176			☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
G 8-27-5	2" X 60"	ANOTEC	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
360'	355'		5500 #	
Anode Depth				
# 1 335	# 2 305	# 3 295	# 4 285	# 5 275
# 6 215	# 7 205	# 8 195	# 9 170	# 10 160
Anode Output (Amps)				
# 1 3.0	# 2 3.4	# 3 4.7	# 4 4.5	# 5 3.8
# 6 3.3	# 7 3.9	# 8 3.8	# 9 4.4	# 10 4.9
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 12.2	Amps 15.1	Ohms .81		

Remarks: Set 20' of 8" PVC casing. DRILLER Said WATER at 100' GOT WATER Sample. Ran 360' of 1" PVC VENT Pipe. Perforated 260' of VENT Pipe. Left COKE Breeze Approximately 130'

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 33'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

William Knight Jr
 (Signature)

GROUND BED LAYOUT SKETCH

GB#2
 33'
 GB#3
 0 GB#4

Rec'd. ☐

27-5 #176
 27-5 #70



CONSTRUCTION LOGGING HEADINGS

1. RIDION OIL

CPS #: 744-W WELL NAME: SJ 27-5 #70 + 176 LOCATION: GP-27-5 DATE: 12-2-90

TOTAL VOLTS: 12.2 TOTAL AMPS: 1.5 @ OHMS RESISTANCE: .81

												ANODE READINGS			
DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5		185	.70		365			545				1	335	1.2	3.0
10		190	.60		370			550				2	305	1.4	3.4
15		195	1.1	8	375			555				3	295	2.1	4.7
20		200	1.5		380			560				4	285	1.7	4.5
25		205	1.6	7	385			565				5	275	1.5	3.8
30		210	1.2		390			570				6	215	1.1	3.3
35		215	1.0	6	395			575				7	205	1.7	3.9
40		220	.90		400			580				8	195	1.2	3.8
45		225	.70		405			585				9	170	2.0	4.4
50		230	.80		410			590				10	160	1.5	4.9
55		235	.50		415			595							
60		240	.70		420			600							
65		245	.50		425			605							
70		250	.20		430			610							
75		255	.20		435			615							
80		260	.50		440			620							
85		265	.50		445			625							
90		270	.50		450			630							
95		275	1.3	5	455			635							
100	.70	280	1.6		460			640							
105	.70	285	1.7	4	465			645							
110	.60	290	1.6		470			650							
115	2.5	295	2.1	3	475			655							
120	2.2	300	1.8		480			660							
125	1.6	305	1.3	2	485			665							
130	1.40	310	.80		490			670							
135	1.40	315	.70		495			675							
140	.30	320	.60		500			680							
145	1.0	325	.50		505			685							
150	1.0	330	1.1		510			690							
155	1.3	335	1.2	1	515			695							
160	1.5	340	1.0		520			700							
165	2.2	345	1.40		525			705							
170	1.8	350	.30		530			710							
175	1.3	355	.30	7.0	535			715							
180	.80	360			540			720							

REMARKS: SET 20' OF 8" PVC CASING. DRILLER SOIL WATER AT 100' GOT WATER SAMPLE

BURGE CORROSION SYSTEMS, INC.

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

COMPANY Meridian Oil DAILY DRILLING REPORT 10-2 1990

WELL NAME: SJ-27-S WELL NUMBER: #70+176 SECTION: 68 TOWNSHIP: 27 RANGE: 5

WATER AT: 90'-100' FEET: 360' HOLE MADE: 6 3/4

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
0'	18'	8" PVC CASING	
18'	90'	sandstone & shale	TAN & GRAY
90	100'	water sand	TAN
100	130'	shale	GRAY
130	140	sandstone	GRAY
140	175	shale	GRAY
175	190	sandstone	GRAY
190	215	shale	GRAY
215	270	sandstone	GRAY
270	305	shale	GRAY
305	325	sandstone	GRAY
325	340	shale	GRAY
340	360	sandstone	GRAY

REMARKS: _____

Kevin Bunge Driller Tool Dresser

API WATER ANALYSIS REPORT FORM

Laboratory No.

Company MORIDIAN OIL		Sample No. CPS 1141-W		Date Sampled 9-20-90	
Field		Legal Description 34-29-5		County or Parish	
Lease or Unit		Well ST 26-5 #70		Depth 120'	
Type of Water (Produced, Supply, etc.)		Sampling Point		Formation	
				Water, B/D	
				Sampled By M.O. McFarland	



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

OTHER PROPERTIES

pH

9.79

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) **57 F.**

9.02

Total Dissolved Solids (calc.)

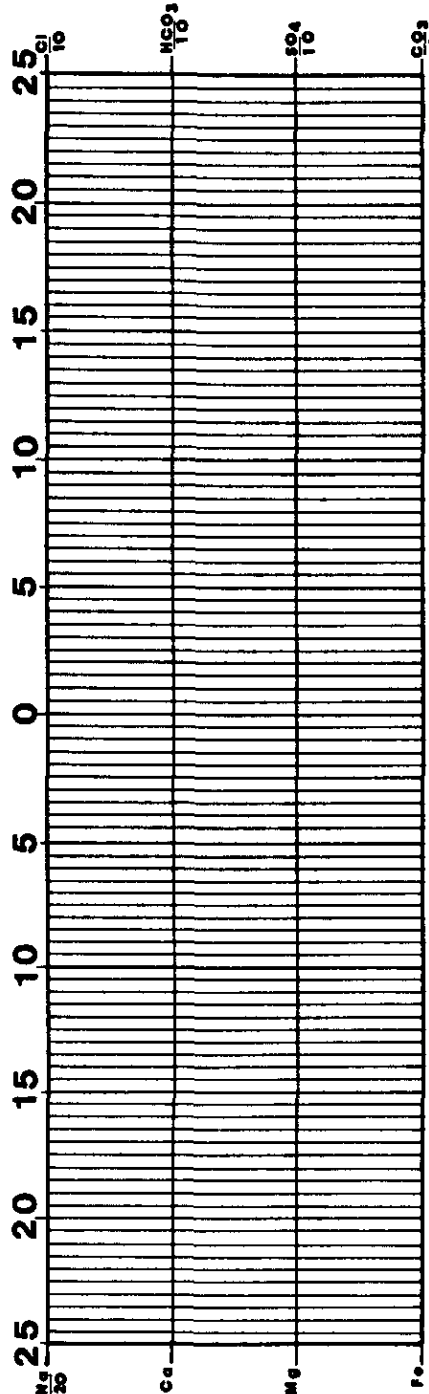
ANIONS

Chloride, Cl
Sulfate, SO_4
Carbonate, CO_3
Bicarbonate, HCO_3

Iron, Fe (total)
Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

Too Much Suspended Solids To Analyze.



Date Received

Preserved

Date Analyzed

Analyzed By