

70-30-039-07131
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

176-30-039-20812

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

Elevation _____ Completion Date 10/2/90 Total Depth 360 Land Type _____

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

If Casing Strings are cemented, show amounts & types used _____

If Cement or Bentonite Plugs have been placed, show depths & amounts used _____

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: _____

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: _____

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

#37

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						☒ Good ☐ Bad	
		SJ 27-5-#176							
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'

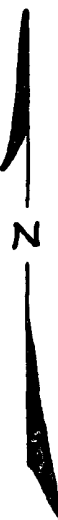
Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 33'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

William Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH

27-5 #176
 27-5 #70
 33'
 G.B. #3
 G.B. #4

Rec'd. ☐

Meridian 011

CPS 1: 744-W WELL NAME: SJ 27-5 #70 + 176 LOCATION: G 8-27-5 DATE: 10-2-90

TOTAL VOLTS: 12.2 TOTAL AMPS: 15.0 OHMS RESISTANCE: 81

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
ANODE	NO.	ANODE	NO.	ANODE	NO.	ANODE	NO.	ANODE	NO.	ANODE	NO.			COKE	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	4.7
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	.90		280	1.6		460			640						
105	.70		285	1.7	4	465			645						
110	.60		290	1.6		470			650						
115	.5		295	2.1	3	475			655						
120	.2		300	1.8		480			660						
125	1.6		305	1.3	2	485			665						
130	.40		310	.80		490			670						
135	.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	10	340	1.0		520			700						
165	.22		345	.40		525			705						
170	1.8	9	350	.30		530			710						
175	1.3		355	.30	7.1	535			715						
180	.80		360			540			720						

REMARKS: SET 20' of 8" PVC casing. DRILLER said
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: <u>SJ-27-5</u>	WELL NUMBER: <u>#70+176</u>	SECTION: <u>68</u>	TOWNSHIP: <u>27</u>	RANGE: <u>5</u>
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WATER AT: <u>90'-100'</u>	FEET: <u>360'</u>	HOLE MADE: <u>6 3/4</u>
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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	State
Lease or Unit	Well ST 26-5 #70	Depth 120'	Formation Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point	Sampled By M.O. McFARLAND

DISSOLVED SOLIDS

CATIONS

mg/l

me/l

Sodium, Na (calc.)

Calcium, Ca

Magnesium, Mg

Barium, Ba

OTHER PROPERTIES

pH

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) **67 F.**

9.79

9.02

Total Dissolved Solids (calc.)

ANIONS

Chloride, Cl

Sulfate, SO_4

Carbonate, CO_3

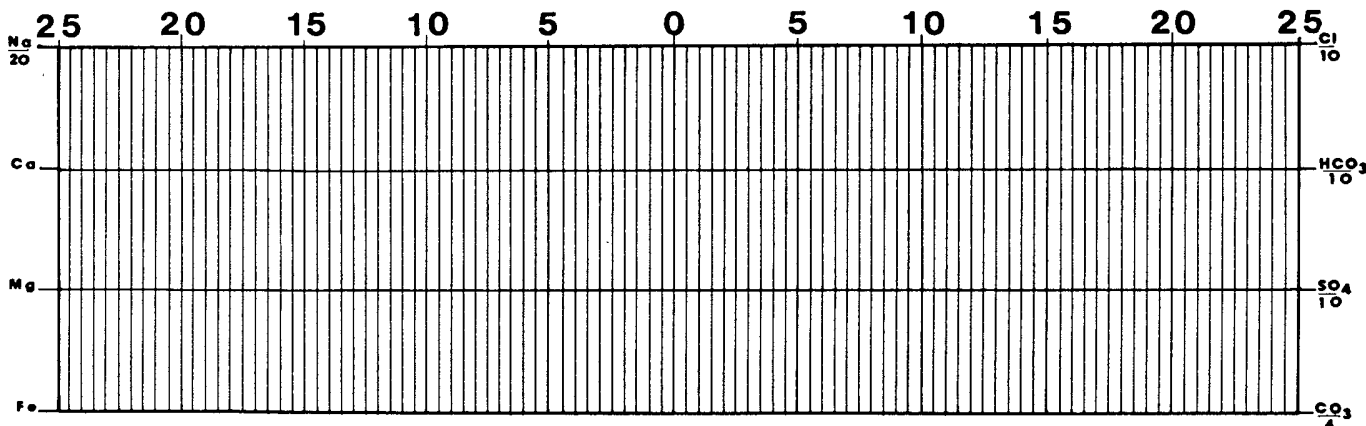
Bicarbonate, HCO_3

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

TOO MUCH SUSPENDED SOLID TO ANALYZE.



Date Received 28th Sept, 1990.	Preserved	Date Analyzed 28th Sept, 1990.	Analyzed By R. H.
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