

25- 30-039-07164

84- 30-039-07157

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

Operator MERIDIAN OIL CO. Location: Unit M Sec. 3 Twp. 27 Rng. 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 # 25 & # 84

cps 737w

Elevation 6575' Completion Date 9/26/90 Total Depth 440 Land Type N/A

Casing Strings, Sizes, Types & Depths 40 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 180 ft., got sample

Depths gas encountered: N/A

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

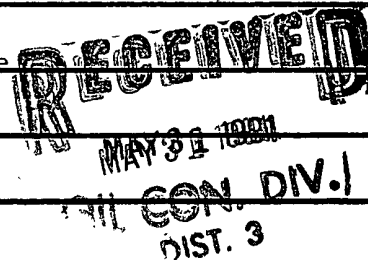
410 ft. with 2900 lbs. of Ashbury Petroleum Coke

Depths anodes placed: 395, 385, 375, 365, 355, 325, 315, 305, 295, 285

Depths vent pipes placed: 430 ft. 1" PVC Vent Pipe

Vent pipe perforations: Perforated 250 ft.

Remarks: qb #2



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 9-26-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
737-W	53 27-5 #25 55 27-5 #84			☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
M3-27-5	2" X 60"	ANOTEC	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
440'	410'		3900 75	
Anode Depth				
# 1 39.5	# 2 38.5	# 3 37.5	# 4 36.5	# 5 35.5
# 6 32.5	# 7 31.5	# 8 30.5	# 9 29.5	# 10 28.5
Anode Output (Amps)				
# 1 4.2	# 2 4.2	# 3 5.6	# 4 5.3	# 5 5.7
# 6 3.9	# 7 5.3	# 8 5.7	# 9 5.6	# 10 4.5
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 121.2	Amps 14.7	Ohms .82		

Remarks: SET 40' of 8" PVC CASING. DRILLER SAID WATER AT 180'. BLEW WATER AFTER CONNECTION. GOT WATER SAMPLE - RAN 430' of 1" PVC VENT PIPE. PERFORATED 250' of VENT PIPE. LEFT POKE BREEZE APPROX 240'

Rectifier Size: _____ V _____ A
 Addn'l Depth _____
 Depth Credit: _____
 Extra Cable: _____ 10'
 Ditch & 1 Cable: _____ 24'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: _____ 1

All Construction Completed

Willis L. Knight Jr.
 (Signature)

GROUND BED LAYOUT SKETCH

O G.B. #1

27.5 #25

O G.B. #2
 24'
☒ Rectifier

27.5 #84
 N

CONSTRUCTION LOGGING READINGS

A 210101 011

CPS #: 737.4 WELL NAME: S527-525 LOCATION: M3-27-5 DATE: 9-26-90

TOTAL VOLTS: 12.2 TOTAL AMPS: 14.7 OHMS RESISTANCE: 82

												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	1.30		365	1.7	4	545			1	325	1.9	4.2
10			190	1.30		370	1.9		550			2	385	1.3	4.2
15			195	1.80		375	1.6	3	555			3	375	2.0	3.6
20			200	1.60		380	1.2		560			4	365	2.0	5.3
25			205	1.0		385	1.3	2	565			5	355	2.1	5.7
30			210	1.2		390	1.2		570			6	325	1.3	3.9
35			215	1.1		395	1.5	1	575			7	315	1.6	5.3
40			220	1.0		400	1.2		580			8	305	1.9	5.7
45			225	1.2		405	1.1		585			9	295	1.6	5.6
50			230	1.5		410	1.1	70	590			10	285	1.4	4.5
55			235	1.4		415			595						
60			240	1.80		420			600						
65			245	1.60		425			605						
70			250	1.30		430			610						
75			255	1.30		435			615						
80			260	1.40		440			620						
85			265	1.40		445			625						
90			270	1.30		450			630						
95			275	1.20		455			635						
100			280	1.90		460			640						
105			285	1.3	10	465			645						
110			290	1.3		470			650						
115			295	1.4	9	475			655						
120			300	1.6		480			660						
125			305	1.6	8	485			665						
130			310	1.5		490			670						
135			315	1.5	7	495			675						
140			320	1.3		500			680						
145			325	1.2	6	505			685						
150			330	1.90		510			690						
155			335	1.40		515			695						
160			340	1.20		520			700						
165			345	1.30		525			705						
170			350	1.70		530			710						
175			355	1.2	5	535			715						
180	140		360	1.3		540			720						

REMARKS: Set 40' of 8" PVC casing. Driller said
 water at 180'. Blew water after making connection,
 got water sample.

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

Tool Dresser

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-901002-003B

Company MERIDIAN OIL		Sample No. CPS 737-W		Date Sampled 9-26-90	
Field Blanco		Legal Description N3-27-5		County or Parish RIO ARriba	
Lease or Unit		Well SJ. 27-5 # 25		Depth 180'	
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

mg/l

me/l

Sodium, Na (calc.)

Calcium, Ca

Magnesium, Mg

Barium, Ba

OTHER PROPERTIES

pH

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) 71.5 F.

9.09

11.25

Total Dissolved Solids (calc.)

ANIONS

Chloride, Cl

Sulfate, SO_4

Carbonate, CO_3

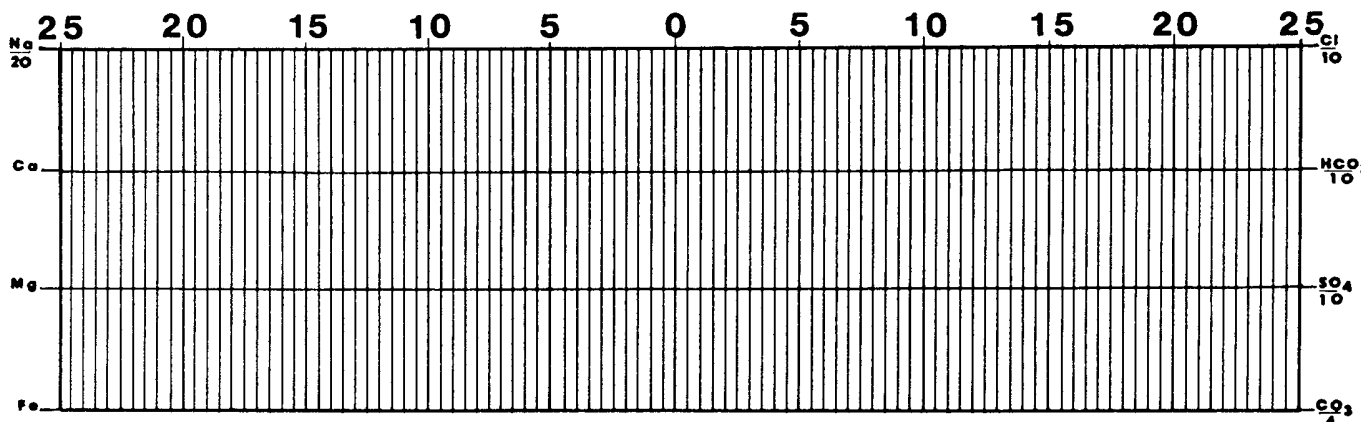
Bicarbonate, HCO_3

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS: ATTN. M.D. McFarland.

TOO MUCH SUSPENDED SOLID TO ANALYZE



Date Received | Preserved | Date Analyzed | Analyzed By