

4A-30-045-22525

1-30-045-20762

M

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

Operator MERIDIAN OIL CO. Location: Unit C Sec. 12 Twp. 30 Rng 10

Name of Well/Wells or Pipeline Serviced Grambling C # 4 A & Stickle # 1

Elevation _____ Completion Date 7/27/90 Total Depth 435 Land Type _____

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

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

20 ft. PVC

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 50 ft.

Depths gas encountered: _____

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

405 ft. 2300 ft. of Ashbury Petroleum Coke used.

Depths anodes placed: 400 ft. 390. 380. 370. 360. 350

Depths vent pipes placed: 405 ft. 1" vent pipe

Vent pipe perforations: 345 ft. perforated

Remarks: This is hole # 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.

6

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto) ☒

Gd. Bed # 3

Completion Date 7-27-90

CPS #	Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check	
1229-W	GRAMBLING C# 4A						☒ Good ☐ Bad	
	STICKLE #1							
Location:		Anode Size:	Anode Type:		Size Bit:			
C12-30-10		2" X 60"	ANOTEC		6 3/4"			
Depth Drilled	Depth Logged	Drilling Rig Time		Total Lbs. Coke Used	Lost Circulation Mat'l Used		No. Sacks Mud Used	
435'	405			2300 #				
Anode Depth								
# 1 400	# 2 390	# 3 380	# 4 370	# 5 360	# 6 350	# 7	# 8	
Anode Output (Amps)								
# 1 2.2	# 2 3.7	# 3 3.5	# 4 3.2	# 5 3.6	# 6 3.0	# 7	# 8	
Anode Depth								
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	
Anode Output (Amps)								
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	
Total Circuit Resistance				No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts 12.4	Amps 9.2	Ohms 1.3						

Remarks: DRILLER said WATER AT 50'. DRILLED hole TO 435' Logged 405'. ONLY had Room for 6 ANODES. Ran 405' of 1" VENT PIPE, PERFORATED 345' of VENT PIPE. Set 20' of 8" PVC CASING

(NOTE) INSTALLED 4 ANODES IN Gd. Bed # 2

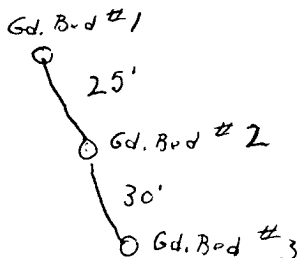
Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 85'
 Ditch & 1 Cable: 55'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

Willis Knight Jr.
 (Signature)

GROUND BED LAYOUT SKETCH

RECEIVED
 AUG 28 1990
 OIL CON. DIV.
 DIST. 3



GRAMBLING C# 4A

STICKLE #1

N

M

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

Operator MERIDIAN OIL CO. Location: Unit C Sec. 12 Twp. 30 Rng. 10

Name of Well/Wells or Pipeline Serviced Grambling C # 4 A & Stickle # 1

Elevation _____ Completion Date 7/27/90 Total Depth 435 Land Type _____

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

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

20 ft. PVC

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 50 ft.

Depths gas encountered: _____

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

405 ft. 2300 ft. of Ashbury Petroleum Coke used.

Depths anodes placed: 400 ft. 390. 380. 370. 360. 350

Depths vent pipes placed: 405 ft. 1" vent pipe

Vent pipe perforations: 345 ft. perforated

Remarks: This is hole # 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.

CONSTRUCTION LOGGING READINGS

Meridian Oil

CPS #: 1229-W WELL NAME: Grumbling C4A LOCATION: C12-30-10 DATE: 7-27-90

TOTAL VOLTS: 12.4 TOTAL AMPS: 9.2 OHMS RESISTANCE: 1.3

Gd. Bed #3

												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			365	1.6		545			1	400	1.6	2.2
10			190			370	1.5	4	550			2	390	1.9	3.7
15			195			375	1.7		555			3	380	1.8	3.5
20			200			380	1.6	3	560			4	370	1.8	3.2
25			205			385	1.5		565			5	360	2.2	3.6
30			210			390	1.3	2	570			6	350	1.5	3.0
35			215			395	1.2		575						
40			220			400	1.4	1	580						
45			225			405	1.4		585						
50			230			410			590						
55			235			415			595						
60			240			420			600						
65			245			425			605						
70			250			430			610						
75			255			435			615						
80			260			440			620						
85			265			445			625						
90			270			450			630						
95			275			455			635						
100			280			460			640						
105			285			465			645						
110			290			470			650						
115			295			475			655						
120			300			480			660						
125			305			485			665						
130			310			490			670						
135			315			495			675						
140			320			500			680						
145			325			505			685						
150			330			510			690						
155			335			515			695						
160			340	1.70		520			700						
165			345	1.4		525			705						
170			350	1.56		530			710						
175			355	1.6		535			715						
180			360	1.65		540			720						

REMARKS: Moved 30' SE. of hole #1. Drilled #2 hole to 435'
 Driller said hit water 50'. Drilled to 435'. Hole filled to
 405'. Installed 6 anodes in this hole and 4 anode
 in 1st. hole will install 2 Jct. Boxes Run #2
 cable between them. Covered #6 anode approx.
 25' of coke

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

DAILY DRILLING REPORT

7-23

10 90

WELL NAME:

WELL NUMBER:

SECTION:

TOWNSHIP:

INDEX

GRAMBLING

C 4 A

WATER AT:

FEET:

HOLE MADE:

50

460' #1

435' #2

DESCRIPTION OF FORMATION

REMARKS:

REMARKS: Hit WATER AT 50' Hit GAS AT 450' TRIED TO CEMENT
off with 12 sacks of cement - Plus water sample 20 hrs - cementing
Bottom gas zone - ^{ABANDONED} ~~LAST~~ HOLE AFTER CEMENTING 2 TIMES

Driller

Tool Dresses

NOTE: Drilled New Hole to 435' placed 6 anodes

REENTERED Hole #1 60' CEMENT PRESENT cleaned to 400'
LEAVING CEMENT INTACT. Placed 4 anodes in hole #1.