

1447

30-045-21917

DATA SHEET FOR DEEP GROUND-BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Location: Unit F Sec. 4 Twp. 29 Rng. 8Name of Well/Wells or Pipeline Served Hill 1-A

cps 4275w

Elevation 6416' Completion Date 8/25/90 Total Depth 180' Land Type N/ACasing Strings, Sizes, Types & Depths 20' 8" PVCIf Casing Strings are cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Wet at 75'-100'Depths gas encountered: N/AGround bed depth with type & amount of coke breeze used: 1500lbs. Asbury CokeDepths anodes placed: 155,145,135,105Depths vent pipes placed: 180'Vent pipe perforations: 100'-180'Remarks: gb #2RECEIVED
MAY 21 1991
DIN. CON. S. OIL CO.

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

19

Drilling Log (Attach Hereto) ☐

Completion Date 8-24-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check:
4275-W	Hill 1A M.V. + P.C.			☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
F4-29-8	2" X 60"	ANOTEC	6 3/4	
Depth Drilled #1 235' 2-180'	Depth Logged #1 235' 2-170'	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
			5500	
Anode Depth #1 220'	#2 210'	#3 160'	#4 150'	#5 140'
#6 105'	#7 155'	#8 145'	#9 135'	#10 105'
Anode Output (Amps) #1 1.7	#2 1.9	#3 2.7	#4 4.7	#5 4.4
#6 2.5	#7 3.0	#8 4.8	#9 4.0	#10 2.2
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 12.4	Amps 12.6	Ohms .98		

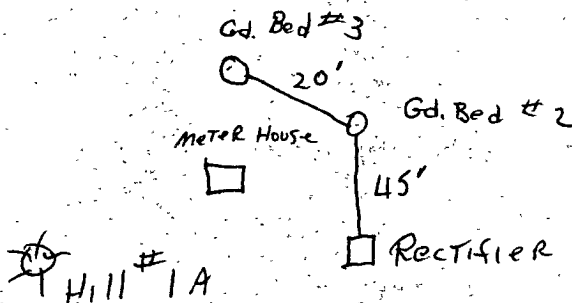
Remarks: DRILLER said wet @ T 100'. Next A.M. could NOT blow water. Had to drill M. BOOT OUT @ T 100'. DRILLED TO 400', DID NOT have Room for 10 ANODES. Filled hth 1 UP TO 235' with DIRT. Ran 6 ANODES in hole #1. DRILLED hole #2 180' deth logged 170'. Ran 4 ANODES in hole. Ran 235' of 1" VENT Pipe in hole #1, & 170' of 1" VENT Pipe in hole #2. 4000 lbs of COKE in hole #1 left AT APPROX. 95'. 1500 lbs COKE in hole #2, left AT APPROX. 95'.

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 70'
 Ditch & 1 Cable: 65'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: _____

All Construction Completed

Willis Knight
 (Signature)

GROUND BED LAYOUT SKETCH



BURGE CORROSION SYSTEMS, INC.

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

COMPANY MERIDIAN OIL DAILY DRILLING REPORT 8-24-25 19 90

WELL NAME: <u>Hill</u>	WELL NUMBER: <u>1-A</u>	SECTION: <u>F-4</u>	TOWNSHIP: <u>29</u>	RANGE: <u>8</u>
WATER AT: <u>75'</u>		FEET: <u>400'</u>	HOLE MADE: <u>180'</u>	

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
#1 0'	18'	8" PVC - Casing - shale	
18'	30'	shale	
30'	90'	sandstone - shale - sand - water	
90'	180'	shale - Bentonite sand streamers	
180'	230'	sand - bentonite - sandstone	
230'	400'	sandstone - sand/bentonite - shale streamers	
#2 0'	18'	PVC 8" casing	
18'	30'	shale	
30'	90'	sandstone - shale - sand water	
90'	180'	shale - bentonite streamers/sand	

REMARKS:

After drilling and logging well #1 it was decided that another well would be more beneficial, due to extremely low log readings on the bottom 200' of well #1.

Driller

Brian E. Burge

Tool Dresser

Water loss due to formation conditions on well #1 were extreme, there would be no way the water formation at 75' could keep the ground bed wet. Best reading 200' and back to surface. 5 anodes placed in 2 wells.

EL PASO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 4275-W WELL NAME: H-11 #1-A LOCATION: F4-29-8 DATE: 8-27-80

TOTAL VOLTS: 12.3 TOTAL AMPS: 9.9 OHMS RESISTANCE: 1.24

Total 2 Bads 12.4V 12.6A ohms 1.98

Hole #1

DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	ANODE READINGS		
												NO.	DEPTH	HO COKE
5			185	.3		365	.6		545			1	220	1.1
10			190	.4		370	.6		550			2	210	1.1
15			195	.3		375			555			3	160	1.5
20			200	.4		380			560			4	150	2.8
25			205	.8		385			565			5	140	2.5
30			210	.4	2	390			570			6	105	1.2
35			215	1.6		395			575					
40			220	1.1	1	400			580					
45			225	.7		405			585					
50			230	.6		410			590					
55			235	.5		415			595					
60			240	.4		420			600					
65			245	.5		425			605					
70			250	.5		430			610					
75			255	.8		435			615					
80			260	1.5		440			620					
85			265	1.6		445			625					
90			270	.9		450			630					
95			275	.8		455			635					
100	1.2		280	.5		460			640					
105	1.2	6	285	.3		465			645					
110	1.60		290	.3		470			650					
115	1.40		295	.3		475			655					
120	1.40		300	.3		480			660					
125	1.40		305	.3		485			665					
130	1.60		310	.3		490			670					
135	1.6		315	.3		495			675					
140	2.5	5	320	.3		500			680					
145	2.8		325	.5		505			685					
150	2.3	4	330	.5		510			690					
155	2.1		335	.5		515			695					
160	1.4	3	340	.5		520			700					
165	1.60		345	.6		525			705					
170	1.50		350	.7		530			710					
175	1.30		355	.7		535			715					
180	1.20		360	.6		540			720					

REMARKS: Driller said wet at 90'. Waited 30 minutes
could not blow water. Drilled 400' NOT enough Room
For 10 Anodes. Filled hole to 235'.
Did NOT get water sample

CONSTRUCTION LOGGING READINGS

CPS #: 4275-W WELL NAME: Hill #1A LOCATION: F4-298 DATE: 8-27-90

TOTAL VOLTS: 12.4 TOTAL AMPS: 7.9 OHMS RESISTANCE: 1.56

Hole #2

Hole #2												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			545				155	1.8	3.0
10			190			370			550				145	2.8	4.8
15			195			375			555				135	1.7	4.0
20			200			380			560				105	1.2	2.2
25			205			385			565						
30			210			390			570						
35			215			395			575						
40			220			400			580						
45			225			405			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	1.1		280			460			640						
105	1.1	4	285			465			645						
110	1.50		290			470			650						
115	1.30		295			475			655						
120	1.20		300			480			660						
125	1.20		305			485			665						
130	1.30		310			490			670						
135	1.4	3	315			495			675						
140	2.5		320			500			680						
145	2.6	2	325			505			685						
150	2.2		330			510			690						
155	1.9	1	335			515			695						
160	1.0		340			520			700						
165	1.40		345			525			705						
170	-	T.D	350			530			710						
175			355			535			715						
180			360			540			720						

REMARKS: Driller said wet at 90'. Did not get water
Sample Drilled 180' Logged 170'

1448

30-045-21917

F.

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

Operator Meridian Oil Co. Location: Unit F Sec. 4 Twp 29 Rng 8

Name of Well/Wells or Pipeline Serviced Hill 1- A

cps 4275w

Elevation 6416' Completion Date 8/25/90 Total Depth 400' Land Type N/A

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

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. Wet at 75'

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used: 4000 lbs. Asbury Petroleum Coke.

Depths anodes placed: 220, 210, 160, 150, 140, 105

Depths vent pipes placed: 235'

Vent pipe perforations: 100'- 235'

Remarks: (gb #1)

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 3

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