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30-039-22640

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 14 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #98E

cps 1679w

Elevation 6612' Completion Date 11/15/82 Total Depth 380' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is 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 when possible:

Fresh, Clear, Salty, Sulphur, Etc. 90'

RECEIVED
MAY 31 1991

Depths gas encountered: N/A

Type & amount of coke breeze used: 3500 lbs.

OIL CON. DIV.
DIST. 3

Depths anodes placed: 330', 265', 255', 220', 210', 200', 190', 180', 155', 145'

Depths vent pipes placed: 360'

Vent pipe perforations: 300'

Remarks: gb #1

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.

1351 E

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RECEIVED
MAY 31 1991
OIL CON. DIV.
1051.3

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WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐Completion Date 11-15-82 11-16-82

CPS #		Well Name, Line or Plant		Work Order #		Static		Ins. Union Check	
1679W		ST. 27-5 #98E		59125-21-50-20-64		600'W = .78		Re Paired	
Location		Anode Size		Anode Type		Size Bit		☒ Good ☐ Bad	
SW-14-27-5		2"X60"		DURIRON		6 3/4"		CARBIDE TIP ROCK B.T.	
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
380'		370'				APPROX. 3500			
Anode Depth									
# 1	330	# 2	265	# 3	255	# 4	220	# 5	210
# 6	200	# 7	190	# 8	180	# 9	155	# 10	145
Anode Output (Amps)									
# 1	2.8	# 2	2.6	# 3	2.3	# 4	3.3	# 5	4.1
# 6	4.0	# 7	4.6	# 8	3.2	# 9	3.7	# 10	3.5
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									
Volts 12.68		Amps 16.30		Ohms .78					
						No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

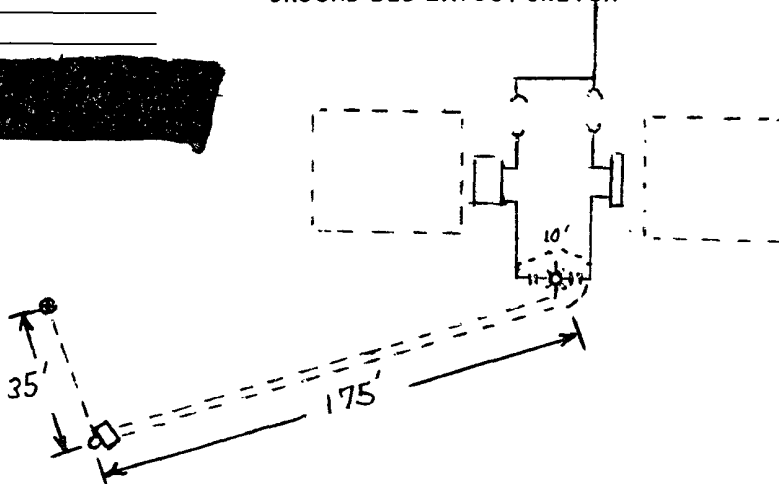
Remarks: ST. 5/5 600'W = .78V 0 M.A. CASING UNION = SHORTED
 DRILLER SAID WATER AT 90'. DRILLED TO 380' 11-17-82
 NO WATER SAMPLE LOG 370' installed 360' OF VENT PIPE
 300' PERFORATED. WATER AT 70'. HOLE TRIED TO BRIDGE
 SEVERAL TIMES, HAD TO KEEP GOING IN HOLE WITH LOGGING ANODE
 HOLE BRIDGED AS #10 COKE. SHORTED UNION REPAIRED 11-16-82

Rectifier Size: 70 V 16 AAddn'l Depth NODepth Credit: 130'Extra Cable: 205Ditch & 1 Cable: 220'25' Meter Pole: 120' Meter Pole: NO10' Stub Pole: NO

All Construction Completed

Don J. Hitt & R.J.B.
(Signature)

GROUND BED LAYOUT SKETCH



R.J.B.

8 hrs Reg.

6 hrs O.T.

R.J.H.

3 hrs Reg.

label 2

ENGINEERING CALCULATION SHEET

1679-25

San Juan 27-5 #98E (MUDK)

5 + c/s COD' W = .760 OMA casing

2-5
UNOW = SHORT-REPAIRED 11-16-82

Page _____
Date 11-15-85
By AD

Depth (ft)	Pressure (psi)	Flow Rate (gpm)	Notes
100	1.0	300	.8
	.8		.9
10	.8	10	.9
	.8		.7
20	.7	20	.8
	1.2		1.2
30	1.6	30	1.2-1
	1.2		1.0
40	1.4	40	.8
	1.6-10		.9
50	1.8	50	.9
	1.2-9		.5
60	1.1	60	.8
	.8		.9
70	.7	70	
	.9		
80	1.3-8	80	
	1.7		
90	2.0-7		
	2.1		
200	1.9-6		
	2.0		
10	1.9-5		
	1.9		
20	1.6-4		
	.6		
30	.6		
	.7		
40	.5		
	.5		
50	1.3		
	1.5-3		
60	1.4		
	1.2-2		
70	1.0		
	.8		
80	.8		
	.6		
90	.6		
	.9		

Driller said water at 90'
 Drilled to 380' 11-14-82
 top 70' of hole very sandy
 started caving at 60' had
 to insert to hold sand
 No water sample Log 370'
 installed 360' of vent
 pipe with 300' of perf
 water at 70'
 hole bridged after #1
 coked - Flushed out
 Bridge - hole tried to
 bridge several times
 had to keep going into
 hole with logging
 anode to keep hole
 open hole bridged
 after #10 coked
 checked #10 - (11-16-82) Good
 4 reg bot
 11-16 3h

- 330 - 1.3 - 2.8
- 265 - 1.5 - 2.6
- 255 - 1.3 - 2.3
- 220 - 2.2 - 3.3
- 210 - 2.6 - 4.1
- 200 - 2.7 - 4.0
- 190 - 3.1 - 4.6
- 180 - 1.9 - 3.2
- 155 - 2.2 - 3.7
- 145 - 2.1 - 3.5

- ① $330 - 1.3 - 2.8$
- ② $265 - 1.5 - 2.6$
- ③ $255 - 1.3 - 2.3$
- ④ $220 - 2.2 - 3.3$
- ⑤ $210 - 2.6 - 4.1$
- ⑥ $200 - 2.7 - 4.0$
- ⑦ $190 - 3.1 - 4.6$
- ⑧ $180 - 1.9 - 3.2$
- ⑨ $155 - 2.2 - 3.7$
- ⑩ $145 - 2.1 - 3.5$

CPS 1679-W

DAILY DRILLING REPORT

LEASE S.J. 27-5 WELL NO. 98-E CONTRACTOR 3-C % Coercion Conf. RIG NO. #2

REPORT NO. 7 DATE NOVEMBER 14 1982

[illegible]

SIGNED: Toolpusher Brian Bunge