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36-045- 10103

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. 36 Twp 31 Rng 13

Name of Well/Wells or Pipeline Serviced FARMINGTON COM #1

cps 1454w

Elevation 6076' Completion Date 7/26/79 Total Depth 460' 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. 100' & 240'

Depths gas encountered: N/A

Type & amount of coke breeze used: 45 SACKS

Depths anodes placed: 430', 420', 410', 400', 390', 345', 325', 315', 280', 270'

Depths vent pipes placed: 455'

Vent pipe perforations: 280'

Remarks: gb #1

RECEIVED
MAY 31 1991

OIL CON. DIV.

DISL 3

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). ☐

Contract #2 (2" X 60' Durion)

Completion Date 7/26/79

Well Name FARMington COM #1		Location SW 36-31-13		CPS No. 1454 W	
Type & Size Bit Used 6 3/4"				Work Order No. 20420-19	
Anode Hole Depth 460' T.D 455'	Total Drilling Rig Time	Coke Used 45 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 430'	# 2 420'	# 3 410'	# 4 400'	# 5 390'	# 6 345'
# 7 325'	# 8 315'	# 9 280'	# 10 270'		
Anode Output (Amps)					
# 1 4.1	# 2 3.8	# 3 3.5	# 4 4.0	# 5 3.4	# 6 2.2
# 7 2.4	# 8 2.3	# 9 3.9	# 10 2.9		
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. 3 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.8 V	Amps 14.0 A	Ohms .84 Ω			

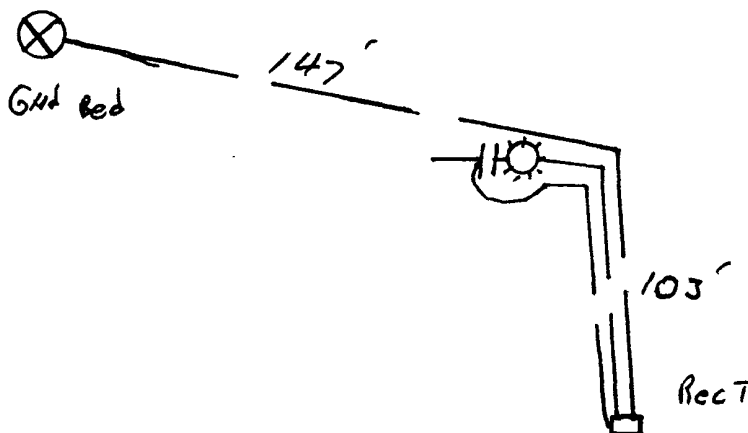
Remarks: STATIC 600' N = .92 V Driller said WATER AT 100', Drilled To 200'. could NOT Blow WATER out of Hole next A.M. Drilled To 240', Hit WATER. Weighted 30 min. Blew Mud out of Hole, would NOT settle out for WATER sample. Could NOT Drill ANY deeper with Air, STAYed INJ. AT 240'. Drilled To 460'. Logged 455'. INSTALLED 455' of 1" P.V.C. VENT pipe Perforated 280'.

Ditch + 1 cable = 250'
extra cable = 226'
Hole depth = 45'
20' meter Loop Pole
40V 16A RECT.

All Construction Completed

JE Statho
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office
YELLOW - Area Corrosion Office
PINK - Originator File

6074

CP# 1454 W

Down

LEASE			WELL NO.			CONTRACTOR			RIG NO.			REPORT NO.			DATE		
MORNING						DAYLIGHT						EVENING					
Driller						Driller						Driller					
Total Men In Crew						Total Men In Crew						Total Men In Crew					
FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.	
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.
SER. NO.		STANDS				SER. NO.		STANDS				SER. NO.		STANDS			
SIZE		SINGLES				SIZE		SINGLES				SIZE		SINGLES			
TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY			
MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH			
MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			
FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN			
0	10	Surface				117	165	Shale									
10	30	Sand Stone				165	175	Sand									
30	50	Shale				175	225	Shale									
50	65	Sand				225	245	Sand wet making water									
65	85	Shale				245	270	Shale									
85	117	Sand wet				270	292	Sand									
REMARKS -						REMARKS -						REMARKS -					
						292-320 Shale											
						320-440 Sandy Shale											
						440-460 Sand											

SIGNED: Toolpusher

Passy

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

FARMINGTON COM #1

CPS 1454W

SW 36-31-13

20420-19

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

240-1.1
1.2
50-1.1
1.1
60-1.1
1.4
70-2.0-⑩
1.9
80-2.5-⑨
1.8
90-.9
1.0
300-1.2
1.2
10-1.2
1.3-⑧
20-1.3
1.5-⑦
30-1.4
1.2
40-1.2
1.5-⑥
50-1.3
1.1
60-1.3
1.4
70-1.1
1.0
80-.9
1.6
90-1.9-⑤
2.2
400-2.2-④
2.3
10-2.4-③
1.9
20-2.0-②
2.2
30-1.9-①
2.4
40-2.3
1.9

T.D

Driller said water at 100'.
Drilled to 200'. could not
blow water out of hole.
next A.M. drilled to 240'.
hit water. Weighted 30 min.
blew mud out of hole.
would not settle out for
water sample, could not
drill any deeper with
air. started injecting at
240'. Drilled to 460'.
Logged 455'. installed 455'
of 1" P.V.C. vent pipe Perforated
280'.

$$11.8V, 14.0A. = .84\Omega$$

7/26/79 9 Hr. T. well
184-40717-01-55-20-1700 2 Hr.

JL

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

60-1.3
1.4
70-1.1
1.0
80-.9
1.6
90-1.9-⑤
2.2
400-2.2-④
2.3
10-2.4-③
1.9
20-2.0-②
2.2
30-1.9-①
2.4
40-2.3
1.9

1-430-2.4-4.1
2-420-2.7-3.8
3-410-2.4-3.5
4-400-2.9-4.0
5-390-2.5-3.4
6-345-1.7-2.2
7-325-1.7-2.4
8-315-1.5-2.3
9-280-3.2-3.9
10-270-2.4-2.9