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30-045-11294

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. 24 Twp 32 Rng 7

Name of Well/Wells or Pipeline Serviced ALLISON UNIT #17

cps 1664w

Elevation 6499' Completion Date 9/9/83 Total Depth 320' 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. NO WATER

Depths gas encountered: N/A

Type & amount of coke breeze used: 9966 lbs. BETWEEN HOLE #1 & HOLE #2

Depths anodes placed: 295', 285', 275', 265', 255', 235'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: 1gb #2

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MAY 31 1991
OIL CON. DIV.
DIST. 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) ☒Completion Date 9-9-83

CPS #		Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check	
1664-W		ABWISON U. # 17		53530-19-50-20-64		.77 600' East		☒ Good ☐ Bad	
Location:		Anode Size:		Anode Type:		Size Bit:			
SW-24-32-7		2"X60"		DURIRON		6 3/4			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
620'		590'				9966			
Anode Depth		Hole #1		Hole #2					
# 1 290'		# 2 280'		# 3 265'		# 4 255'		# 5 295'	
# 6 285'		# 7 275'		# 8 265'		# 9 255'		# 10 235'	
Anode Output (Amps)									
# 1 3.75		# 2 2.90		# 3 3.20		# 4 2.26		# 5 3.72	
# 6 3.14		# 7 2.73		# 8 3.04		# 9 3.08		# 10 2.90	
Anode Depth		# 11		# 12		# 13		# 14	
# 15		# 16		# 17		# 18		# 19	
Anode Output (Amps)		# 11		# 12		# 13		# 14	
# 15		# 16		# 17		# 18		# 19	
Total Circuit Resistance		Volts		Amps		Ohms		No. 8 C.P. Cable Used	
		11.78		14.20		.83		2750	
								No. 2 C.P. Cable Used	

Remarks: Driller said no water. Hole #1 caved after we had four anodes coked. Drilled hole #two 320' deep logged 316'. Skurled 9966 of coke in both holes. installed 916' of 1" P.V.C. VENT Pipe in Hole #1 Perforated 500' installed 321' of P.V.C. VENT PIPE in hole #2 Perforated 200'.

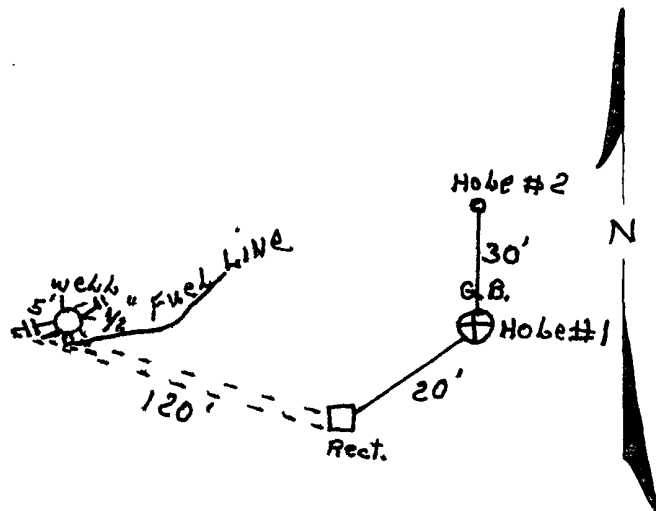
Rectifier Size: 40 V 16 A ?
 Addn'l Depth: 90 ?
 Depth Credit: NONE
 Extra Cable: 165' ✓
 Ditch & 1 Cable: 170' ✓
 25' Meter Pole: NONE
 20' Meter Pole: yes ✓
 10' Stub Pole: NONE

All Construction Completed

Dan Jon Hill
(Signature)

GROUND BED LAYOUT SKETCH

Date	Reg.	O.T.
8-30-83	8	1
9-9-83	8	2



DAILY DRILLING REPORT

[illegible]

Hole # 2 ALLISON U. # 17 SW-24-32-7 W.O. # 53530-19-50-20-67
 C.P.S. # 1664
 REDRILL

MW	gals/mol
16 04	C ₁ 6.4
30 07	C ₂ 10.12
44 10	C ₃ 10.42
58 12	iC ₄ 12.38
58 12	nC ₄ 11.93
72 15	iC ₅ 13.85
72 15	nC ₅ 13.71
86 18	iC ₆ 15.50
86 18	C ₆ 15.57
100 21	iC ₇ 17.2
100 21	C ₇ 17.46
114 23	C ₈ 19.39
28 05	C ₂ 9.64
42 08	C ₃ 9.67

6 - 2" x 60" Duriron Anodes
 Installed 321' of 1" PVC vent
 Pipe Perforated 200'

Driller said NO water
 Drilled to 320' Logged 316'
 Hole # Two

1.0	0	1.14	4.0	.68
5		1.07	4.5	.68
1.0		.90	5.0	.74
1.5		.90	5.5	.80 ⑦
2.0		.96	6.0	.81
2.5		1.05	6.5	.76 ⑧
3.0		.92	7.0	.75
3.5		.97	7.5	.81 ⑨
4.0		.96	8.0	.73
4.5		1.00	8.5	.76 ⑩
5.0		.91	9.0	.76
5.5		1.06	9.5	.92 ⑪

1420 AMPS 11.78 VOLTS
 .83 V

MW	MISC gals/mol
32 00	O ₂ 3.37
28 01	CO 4.19
44 01	CO ₂ 6.38
64 06	SO ₂ 5.50
34 08	H ₂ S 5.17
28 01	N ₂ 4.16
2 02	H ₂ 3.38

6.0	1.04	3.0	.85
6.5	.81	5	.81
7.0	.96	1.0	1.13
7.5	1.03	1.6	B.O.H.
8.0	.83		
8.5	.75		
9.0	.78		
9.5	.73		
2.0	.85		
5	.82		
1.0	.91		
1.5	.78		
2.0	.82		
2.5	.87		
3.0	.86		
3.5	.79 ⑩		

Hole # Two		
⑤ 2+95	.95	3.72
⑥ 2+85	.69	3.14
⑦ 2+75	.71	2.73
⑧ 2+65	.75	3.04
⑨ 2+55	.87	3.08
⑩ 2+35	.86	2.90

Hole #1

ALLISON U. #17 Sw 24-32-7 W.O. # 53530-19-50-20-64

GPS-1664-W

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

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

4 - 2" x 60" Durriron Anodes

Installed 595' of 1" PVC vent

Pipe Perforated 300'

Hole #1

Driller said no water

Drilled to 620' Logged 590'

Hole caved after installing +

coking 4 Anodes. Logged from

190' to 310' + installed 320'

of 1" PVC vent Pipe Perforated 200'

30.0

4.0

.92

8.0

1.30

2.00

.96

35.0

4.5

.88

8.5

1.30

2.00

.95

40.0

5.0

.89

59.0 B.O.H.

2.00

.97

45.0

5.5

.84

0.0

1.30

1.50

.97

50.0

6.0

.95

5.0

1.30

2.00

.91

55.0

6.5

.88

1.0

1.30

2.50

1.00

60.0

7.0

.94

1.5

1.30

3.00

.94

65.0

7.5

.90

2.0

1.30

3.50

.88

70.0

8.0

.88

4.0

1.30

4.00

.80

75.0

8.5

.80

Hole # one (9-9-93)

4.5

1.30

4.50

.78

80.0

9.0

.79

① 2490 1.11 360 375 5.0

7.9

1.30

5.00

.79

85.0

9.5

.78

② 2480 75 263 290 5.5

7.8

1.30

5.50

.88

90.0

10.0

.82

③ 2465 77 295 320 6.0

7.7

1.30

6.00

1.01

95.0

10.5

.73

④ 2455 72 212 226 6.5

7.2

1.30

6.50

.95

100.0

11.0

.75

7.0

1.30

7.00

.87

105.0

11.5

.69

7.5

1.30

7.50

.91

110.0

12.0

.50

8.0

1.30

8.00

.97

115.0

12.5

.59

8.5

1.30

8.50

.75

120.0

13.0

.59

9.0

1.30

9.00

1.12

125.0

13.5

.29

9.5

1.30

9.50

1.47

130.0

14.0

.40

10.0

1.30

10.00

.40

135.0

14.5

.73

10.5

1.30

10.50

.73

140.0

15.0

.77

11.0

1.30

11.00

.77

145.0

15.5

1.38

11.5

1.30

11.50

1.60

150.0

16.0

1.60

12.0

1.30

12.00

1.60

155.0

16.5

1.67

12.5

1.30

12.50

1.67

160.0

17.0

1.61

13.0

1.30

13.00

1.61