

1137

#44 30-045-24859
#121 30-045-27160

E

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. 30 Twp 32 Rng 6

Name of Well/Wells or Pipeline Serviced ALLISON UNIT #44, #121

cps 1776w

Elevation 6567' Completion Date 8/30/85 Total Depth 500' 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. 40' - 60', 110', 180', 210' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 6190 lbs.

Depths anodes placed: 460', 435', 425', 410', 385', 375', 320', 300', 290', 275'

Depths vent pipes placed: 495'

Vent pipe perforations: 460'

Remarks: (gb #1)

RECEIVED
MAY 31 1991
OIL CON. 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 8/30/85

CPS #		Well Name, Line or Plant: <u>#121</u>		Work Order #		Static: <u>600W = .82V</u>		Ins Union Check	
<u>1776 W</u>		<u>ALLISON UNIT #44</u>						☒ Good ☐ Bad	
Location: <u>SW30-32-6</u>		Anode Size: <u>2" X 60"</u>		Anode Type: <u>DURION</u>		Size Bit: <u>6 3/4"</u>			
Depth Drilled: <u>500'</u>		Depth Logged: <u>495'</u>		Drilling Rig Time		Total Lbs. Coke Used: <u>6190</u>		Lost Circulation Mat'l Used	
Anode Depth									
# 1 <u>460'</u>	# 2 <u>435'</u>	# 3 <u>425'</u>	# 4 <u>410'</u>	# 5 <u>385'</u>	# 6 <u>375'</u>	# 7 <u>320'</u>	# 8 <u>300'</u>	# 9 <u>290'</u>	# 10 <u>275'</u>
Anode Output (Amps)									
# 1 <u>2.8</u>	# 2 <u>2.7</u>	# 3 <u>3.1</u>	# 4 <u>2.7</u>	# 5 <u>2.8</u>	# 6 <u>2.8</u>	# 7 <u>2.6</u>	# 8 <u>3.0</u>	# 9 <u>3.5</u>	# 10 <u>3.0</u>
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 <u>12.8</u>		Amps <u>16.8</u>		Ohms <u>.76</u>					

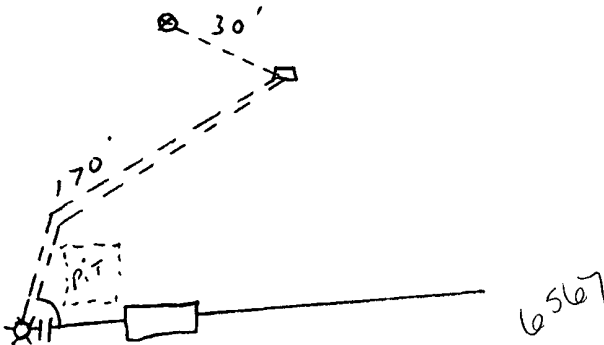
Remarks: Drilled Thru 2 AMP SPOTS AT 40'-60', 110', 180', & 210'. Drilled To 30'
HAD Approx. 20' of WATER STANDING IN HOLE NEXT A.M. TOOK WATER SAMPLE.
Drilled To 500' Logged 495'. INSTALLED 495' of 1" PVC VENT PIPE,
Perforated To 35'.

Rectifier Size: 40 V 16 A
 Addn'l Depth: —
 Depth Credit: 5'
 Extra Cable: 200
 Ditch & 1 Cable: 200
 25' Meter Pole: —
 20' Meter Pole: 1
 10' Stub Pole: —

All Construction Completed

GROUND BED LAYOUT SKETCH

jc Stoltz
(Signature)



Time	Res	O.T.
8/30/85	10	1

N

C.P.S. 1776 K

DATE 8/22/81 19

[illegible]

C.P.S. * 1776W
 Allison UNIT #44 SW 30-32-6

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

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

200' - .6

260' - .6

 Drilled Three DAMP spots
 AT 40'-60', 110', 180', & 210'.

10' - .5

70' - .5

Drilled To 300', MAD Approx.

20' - .2

80' - .8

20' of WATER standing in

20' - .6

80' - .8 - ⑥

Hole Next A.M. Drilled

20' - .8

80' - .8

To 500'. Logged 495'.

30' - .6

80' - .8 - ⑤

INSTALLED 495' of 1" P.V.C.

30' - .8

90' - .6

Vent Pipe, Perforated To

40' - .4

60' - .6

35'.

40' - .5

400' - .7

50' - .5

60' - .6

50' - .5

10' - .8 - ④

60' - .8

70' - .7

60' - .6

20' - .6

70' - .8

80' - .8 - ①

70' - .6

30' - .8

80' - .9 - ⑩

80' - .8 - ③

80' - .8

40' - .7

12.8 V. 16.8 A. = .76 Ω

90' - .7

70' - .7

90' - .9 - ⑨

50' - .7

100' - .9

70' - .7

1 - 460' - .8 - 2.8

300' - .8 - ⑧

60' - .8 - ①

2 - 435' - .7 - 2.7

10' - .8

70' - .7

3 - 425' - .7 - 3.1

20' - .6

70' - .7

4 - 410' - .7 - 2.7

20' - .8

80' - .7

5 - 385' - .7 - 2.8

20' - .8 - ⑦

80' - .2

6 - 375' - .7 - 2.8

30' - .8

90' - .7

7 - 320' - .7 - 2.6

30' - .7

90' - .8

8 - 300' - .7 - 3.0

40' - .7

500' - .8

9 - 290' - .8 - 3.5

40' - .8

500' - .8

10 - 275' - 1.0 - 3.0

50' - .7

500' - .8

495 T.P.

50' - .8

500' - .8

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSES

ANALYSIS NO.: 1-11768 DATE: OCTOBER 11, 1985
OPERATOR: MERIDIAN OIL WELL NAME: ALLISON UNIT #44 CPS 1776W
LOCATION: SW 30-32-6 COUNTY SJ STATE: NM
FIELD: IGNACIO FORMATION:
SAMPLED FROM: GROUND BED
DATE SAMPLED: SEPTEMBER 5, 1985 SECURED BY: JOE STOTTS
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50	1.3	26		
P ALKALINITY	50	0	0		
BICARBONATE	50	1.3	26	32	0.52
CARBONATE	50	0	0	0	0.00
CHLORIDE	5	15.2		3040	85.73
SULFATE				18	0.37
TOTAL HARDNESS	25	16.8	672		
CALCIUM	25	10.2	408	163	8.16
MAGNESIUM	25	6.6	264	65	5.32
IRON				ND	
SODIUM (CALCULATED)				1682	73.15
H ₂ S				ND	
HYDROCARBONS				ND	
TOTAL DISSOLVED SOLIDS				5044	
pH				7.03	
SPECIFIC GRAVITY			1.003 AT 60F		
RESISTIVITY			108 OHM-CM AT		
CONDUCTIVITY			9300 MICROMHDS @ 25C.		

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

CC: R. A. ULLRICH
J. D. EVANS
D. C. ADAMS
W. F. LORETT
J. L. WILLIAMS
G. C. KARDOS
FILE

SANDRA ARAGON

CHEMIST GCK

