

1072 #57 30-045-24412
#106 30-045-26924

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. 13 Twp 32 Rng 7

Name of Well/Wells or Pipeline Serviced ALLISON UNIT #57, #106

cps 1780w

Elevation 6555' Completion Date 8/28/85 Total Depth 420' 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. N/A

Depths gas encountered: N/A

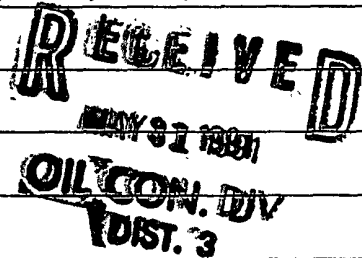
Type & amount of coke breeze used: 5150 lbs.

Depths anodes placed: 390', 375', 365', 340', 330', 320', 290', 280', 245', 235'

Depths vent pipes placed: 412'

Vent pipe perforations: 370'

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐Completion Date 8/28/85

CPS #		Well Name, Line or Plant: <u>H-100</u>		Work Order #		Static: <u>600' w = 81V</u>		Ins. Union Check	
<u>1780W</u>		<u>ALLISON UNIT # 57</u>						☒ Good ☐ Bad	
Location: <u>SW 13-32-7</u>		Anode Size: <u>2" x 60"</u>		Anode Type: <u>Durion</u>		Size Bit: <u>6 3/4</u>			
Depth Drilled: <u>420'</u>		Depth Logged: <u>412'</u>		Drilling Rig Time		Total Lbs. Goke Used: <u>5150</u>		Lost Circulation Mat'l Used	
Anode Depth									
# 1 <u>390'</u>	# 2 <u>375'</u>	# 3 <u>365'</u>	# 4 <u>340'</u>	# 5 <u>330'</u>	# 6 <u>320'</u>	# 7 <u>290'</u>	# 8 <u>280'</u>	# 9 <u>245'</u>	# 10 <u>235'</u>
Anode Output (Amps)									
# 1 <u>3.2</u>	# 2 <u>3.2</u>	# 3 <u>2.9</u>	# 4 <u>2.8</u>	# 5 <u>3.5</u>	# 6 <u>3.1</u>	# 7 <u>3.2</u>	# 8 <u>3.4</u>	# 9 <u>3.4</u>	# 10 <u>3.1</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>12.09</u>		Amps <u>17.8</u>		Ohms <u>.68</u>					

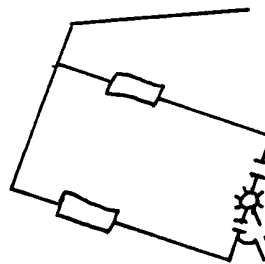
Remarks: Drilled 240', Hole was dry all the way. Drilled Three SAMs AT 70'-90' & AT 110'. Blew approx. 5 gal. of water out of hole next A.M. Drilled To 420', Logged 412'. Installed 412' of 1" P.V.C. vent pipe perforated to 42'.

Rectifier Size: 40V 16A
 Addn'l Depth: —
 Depth Credit: 88' x 3.00 = 264.00
 Extra Cable: 140' x 3.75 = 51.80
 Ditch & 1 Cable: 212' x 1.35 = 286.20
 25' Meter Pole: —
 20' Meter Pole: 1
 10' Stub Pole: —

All Construction Completed

JE Stahl
(Signature)

GROUND BED LAYOUT SKETCH



4740.00
 - 264.00 - depth credit
 286.20 - ditch + 1 wire
 51.80 - extra surface wire
 500.00 - 20' meter pole
 900.00 - 40-16 Rectifier
 300.00 - Junction box
6514.00 DTL COST

Same

Time	Reg.	O.T.	N
8/28/85	10	0	

110
102
212' of ditch + wire.
x 1.35
286.20

140' - extra wire
x .37
82.14 extra wire.

u555

G.P.S 1780 u

SIGNED: Toolpusher

Terrin C. Ruffel

____ Company Supervisor

CRS 1780 W

ALLISON UNIT #57 SW 13-32-7

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

100' - 1.0	270 - 7
10 - .7	8 - 8
10 - .9	80 - 8 - ⑧
1.0	7
20 - .9	90 - 8 - ⑦
9	6
30 - .9	300 - 7
8	5
40 - 1.0	100 - 6
.8	7
50 - 7	20 - 8 - ⑥
8	8
60 - 8	30 - 8 - ⑤
.5	8
70 - 6	40 - 8 - ④
7	7
80 - 7	50 - 6
7	7
90 - 7	60 - 7
8	8 - ③
200 - 8	70 - 8
6	8 - ②
10 - 6	80 - 7
6	8
20 - 7	90 - 1.0 - ①
7	1.2
30 - 6	400 - 9
8 - ⑩	8
40 - 8	10 -
9 - ⑨	
50 - 7	20 -
7	
60 - 7	
7	

Drilled 240' Hole WAS DRY -
ALL The way. Drilled Thru
SAND AT 20'-90' & AT 110',
Blew Approx. 5 gal. of water
out of Hole NEXT A.M.
Drilled To 420'. Logged 412'.
Installed 412' of 1" P.V.C. VENT
Pipe, Perforated To 42'.

12.8 A. 12.09 U. = 68 Ω

1 - 390 - 1.0	- 3.2
2 - 375 - .9	- 3.2
3 - 365 - .8	- 2.9
4 - 340 - .8	- 2.8
5 - 330 - .8	- 3.5
6 - 320 - .8	- 3.1
7 - 290 - .8	- 2.2
8 - 280 - .9	-
9 - 245 - .9	-
10 - 235 - .8	- 2.1

412 T.D.