

1273 #6A 30-045-23861
#202 30-045-26979

5

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

Operator MERIDIAN OIL Location: Unit NW Sec. 6 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC C #6A, #202

cps 1556w

Elevation 6034' Completion Date 9/10/81 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. 30' SAMPLE TAKEN

Depths gas encountered: N/A

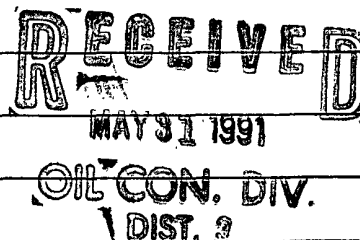
Type & amount of coke breeze used: N/A

Depths anodes placed: 295', 275', 255', 235', 215', 195', 175', 155', 135', 110'

Depths vent pipes placed: 320'

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.

1272

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

Operator MERIDIAN OIL Location: Unit D Sec. 6 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC C #6A, #202

cps 1556w

Elevation 6034' Completion Date 1/10/89 Total Depth 400' 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. 150' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 325', 305', 295', 285', 275', 265', 255', 245', 235', 225'

Depths vent pipes placed: 340'

Vent pipe perforations: BOTTOM 200'

Remarks: gb #2 FIRST HOLE DRILLED 400' INSTALLED 395' VENT PIPE-BOTTOM 280 PERF.

#1 ANODE COKED & HOLE BRIDGED. MOVED 10' DRILLED SECOND HOLE & SET REST OF ANODES.

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) ☒

Comp 1-12-89
Completion Date 1-10-89

560-0882-001-00-3

9 miles

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins Union Check
1556-W	ATLANTIC "C" #202 ✓ ATLANTIC "C" #6-A	3289A	600' N = .84	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
D6.30-10	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs Goke Used	Lost Circulation Mat'l Used
400'	390'			
Anode Depth				
# 1 325'	# 2 305'	# 3 295'	# 4 285'	# 5 275'
# 6 265'	# 7 255'	# 8 245'	# 9 235'	# 10 225'
Anode Output (Amps)				
# 1 4.7	# 2 5.0	# 3 4.7	# 4 5.2	# 5 6.1
# 6 5.3	# 7 6.0	# 8 5.1	# 9 4.9	# 10 4.8
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 12.34	Amps 26.1	Ohms .473		

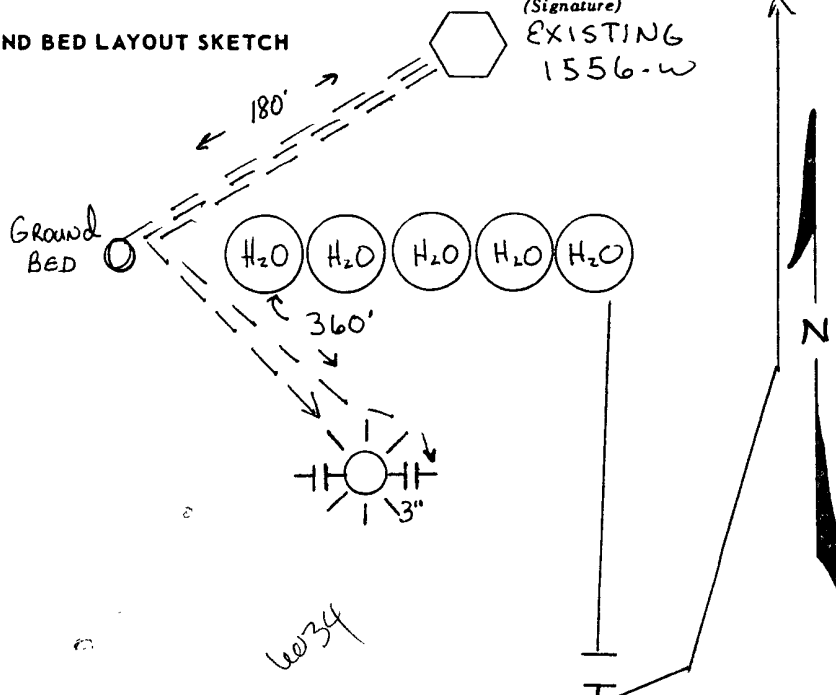
Remarks: DRILLED 400' LOGGED 390'. DRILLER SAID WATER AT 150' NO SAMPLE. SET #1 ANODE (COKED) & HOLE BRIDGED MOVED 10' & DRILLED 2ND HOLE TO 340' & SET REST OF ANODES. INSTALLED 395' OF 1" PVC VENT PIPE IN 1ST HOLE, PERFORATED BOTTOM 280'; INSTALLED 340' OF 1" PVC VENT PIPE IN 2ND HOLE, PERFORATED BOTTOM 200'

Rectifier Size: V A
 Addn'l Depth
 Depth Credit: 110' 3.50
 Extra Cable: 570' .24
 Ditch & 1 Cable: 360' .70
 25' Meter Pole:
 20' Meter Pole:
 10' Stub Pole:
 Junction Box: 1

All Construction Completed

M. Sullivan
 (Signature)
 EXISTING
 1556-W

GROUND BED LAYOUT SKETCH



4074.00
 - 385.00 CREDIT ✓
 136.80 ex. CABLE ✓
 252.00 DITCH+1 ✓
 225.00 J. BOX ✓

4302.80
 215.14 TAX.

4517.94 OKG2

_____ DRILLING CO.

Drill No. 10

DRILLER'S WELL LOG

S. P. No. Atlantic C-202 Date 1-5-89

Client _____ Prospect _____

County _____ State _____

If hole is a redrill or if moved from original staked position show distance and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	10	Sandy clay
10	120	Shale
120	140	Sandy
140	150	Shale
150	190	Sand
190	300	

Mud _____ Bron _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: water 150'

Driller Jarey

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

#202

2"x60" DURIUM

Completion Date 9-10-81

Well Name ATLANTIC "C" #6A		Location NW 6-30-10		CPS No. 1556 W	
Type & Size Bit Used 6 3/4		Both Unions OK		Work Order No. 57675-21-50-20	
Anode Hole Depth 320606319		Total Drilling Rig Time		Total Lbs. Coke Used	
Anode Depth		Anode Output (Amps)		Anode Depth	
# 1	295	# 2	275	# 3	255
# 4	235	# 5	215	# 6	195
# 7	175	# 8	155	# 9	135
# 10	110				
# 1	5.34	# 2	4.60	# 3	5.20
# 4	4.03	# 5	6.20	# 6	6.14
# 7	3.75	# 8	3.56	# 9	5.03
# 10	5.77				
# 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 11.12		Amps 25.9		Ohms .42	

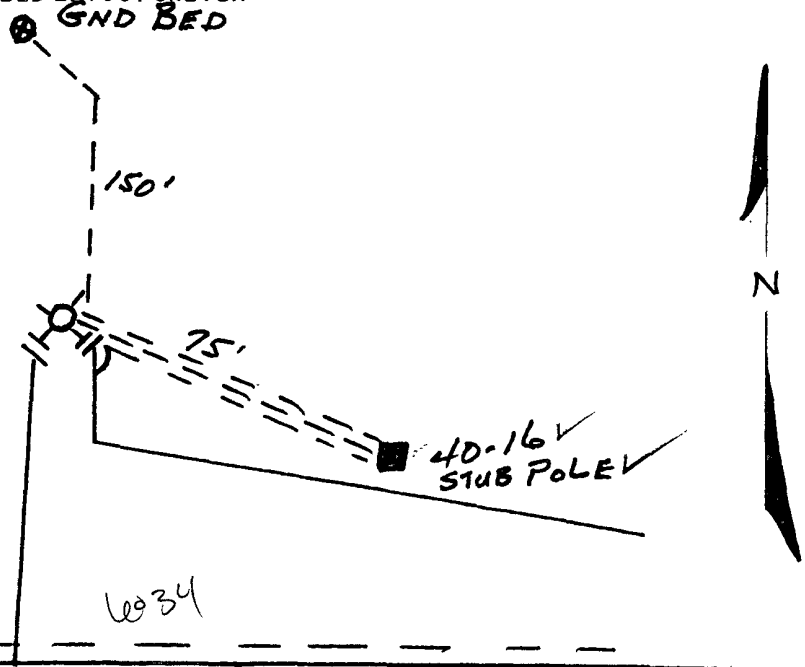
Remarks: **WET AT 30FT BLOW SAMPLE. DRILL TO 160' SET OVER NIGHT 20' 1" PLAIN VENT PIPE BALANCE PERFORATED**

DITCH #1 CABLE = 225' ✓
XTRA CABLE = 170' ✓
HOLE = -181' ✓

All Construction Completed

B.T.
(Signature)

GROUND BED LAYOUT SKETCH



TIME	REG	OT
9-10-81	8	0

DISTRIBUTION:

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

6034

1556 W

ATLANTIC "C" #6A
NW 6-30-10

57675-21-50-2E

WET AT 30' BLOW SAMPLE DRILL TO
160' SET OVER NIGHT
20' 1" PLAIN VENT PIPE BALANCE PERF.

DRILL TO 320 LOG TO 319

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

100	3.42	80	3.03	58	3.36	30
5	3.44	85	3.28	60	3.40	35
10	3.38	90	3.23	65	3.45	40
15	3.29	95	3.30	70	3.37	45
20	3.43	200	3.45	75	3.02	50
25	3.14	5	3.40	80	3.05	55
30	3.25	10	3.38	85	3.26	60
35	3.04	15	3.30	90	3.59	1
40	1.87	20	2.90	95	3.35	
45	1.71	25	2.68	300	3.06	
50	1.60	30	2.09	5	2.98	
55	1.40	35	2.30	10	2.98	
60	3.03	40	2.87	15	→ 319TD	
65	2.01	45	2.92	20		
70	1.10	50	3.18	25		
75	2.11					

1	295	462	534
2	275	400	460
3	255	470	520
4	235	359	403
5	215	430	620
6	195	430	614
7	175	288	375
8	155	255	356
9	135	405	503
10	110	494	577

11.12 VOLTS
25.9 Amps
.42 Ω

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

Analysis No. 1-10337 Date 9-23-81
Operator El Paso Natural Gas Well Name Atlantic "C" -6A CPS 1556-W
Location NW 6-30-10 County San Juan State New Mexico
Field Kutz Formation _____
Sampled From 30'

Date Sampled 9-10-81 By B. T.

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>3,529</u>	<u>153.5</u>	Chloride <u>1,790</u>
Calcium <u>572</u>	<u>28.6</u>	Bicarbonate <u>276</u>
Magnesium <u>74</u>	<u>6.1</u>	Sulfate <u>6,400</u>
Iron _____	_____	Carbonate <u>0</u>
H ₂ S _____	_____	Hydroxide <u>0</u>

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

Total Solids Dissolved 13,192
pH 6.65
Sp. Gr. 1.0314 At 60°F
Resistivity 68 ohm-cm at 74 °F

Dennis P. Bird
Chemist

JMS

