

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

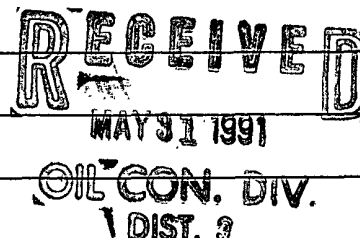
Type & amount of coke breeze used: N/A

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

560-0882-00-00-3

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. Coke 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		

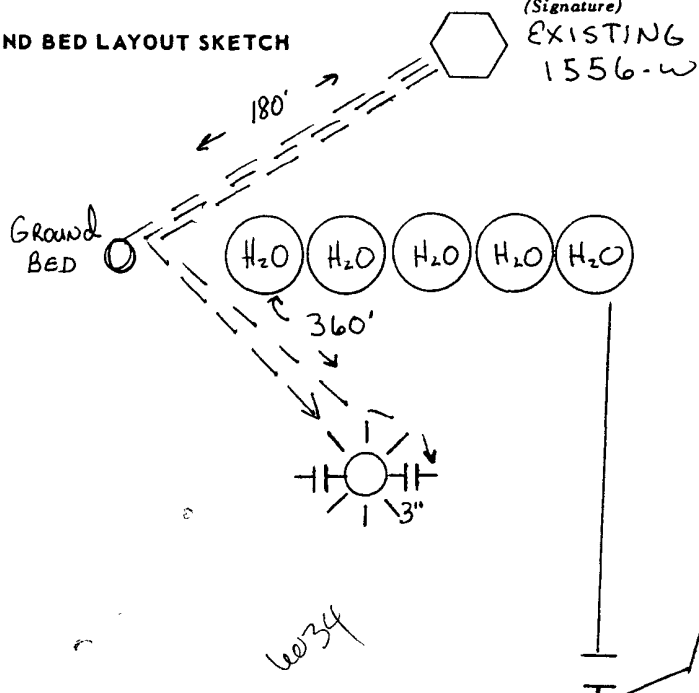
Remarks: DRILLED 400' LOGGED 390'. DRILLER SAID WATER AT 150' NO SAMPLE. SET #1 ANODE (COKED) & HOLE BRIDGED MOVED 10' & DRILLED 2ND HOLE TO 340' & SET REST OF ANODES. INSTALLED 395' OF 1" PVC VENT PIPE IN 1ST HOLE, PERFORATED BOTTOM 280'; INSTALLED 340' OF 1" PVC VENT PIPE IN 2ND HOLE, PERFORATED BOTTOM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

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 PKG2

_____ 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	200	

Mud _____ Brn _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: water 150'

Driller J. J. J.

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 of Pipe 6 3/4		Both Unions OK		Static = 1.08	
Anode Hole Depth 320606319		Total Drilling Pig Time		Total Lbs. Coke Used	
Lost Circulation Mat'l Used		No. Sacks Mud Used		Work Order No. 57675-21-50-20	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	295	275	255	235	215
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	5.34	4.60	5.20	4.03	6.20
Anode Depth	# 6	# 7	# 8	# 9	# 10
	195	175	155	135	110
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	6.14	3.75	3.56	5.03	5.77
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts		Amps		Ohms
	11.12		25.9		1.42
No. 8 C.P. Cable Used	No. 2 C.P. Cable Used				

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

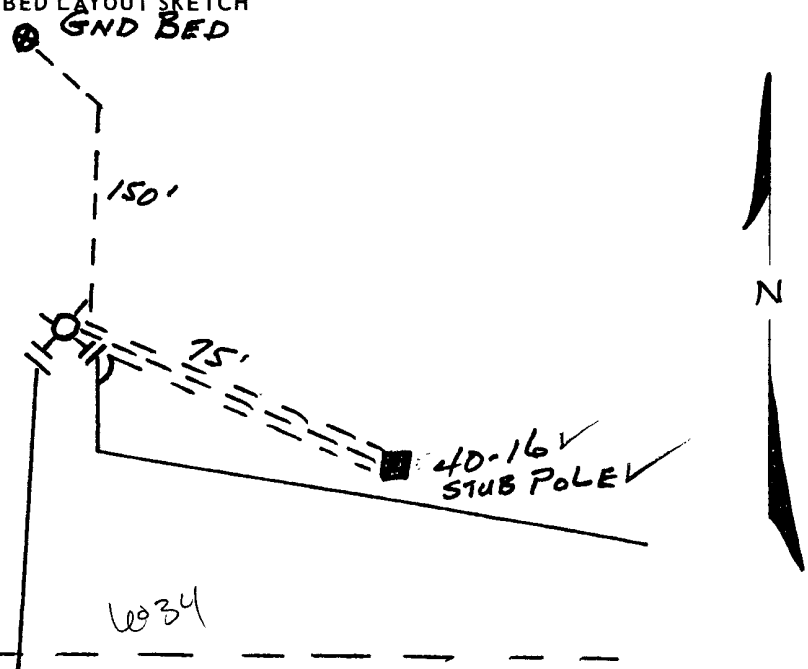
DITCH & 1 CABLE = 225' ✓
XTRA CABLE = 170' ✓
HOLE = -181' ✓

All Construction Completed

B.T.
(Signature)

(New Static
3-22-85 1.11
MGW)

GROUND BED LAYOUT SKETCH



TIME	REG	OF
9-10-81	8	0

DISTRIBUTION:

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

DAILY DRILLING REPORT

LEASE atlantic "C" II 6A WELL NO. CPS 1556 W CONTRACTOR Stacy Drilling RIG NO. DAYLIGHT REPORT NO. Sept 10 DATE 1981

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller		Total Men In Crew			Driller		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.
S. IL NO.		STANDS			SERIAL NO.		STANDS			SERIAL 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	30	sand	300	320	sand			
30	140	shale						
140	160	sand						
160	220	shale						
220	240	sand						
240	300	shale						

REMARKS -	REMARKS -	REMARKS -
Water 30		
Drilled 320 TD 319		

SIGNED: Toolpusher

Stacy Drilling

Company Supervisor

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	55	3.36	30
5	3.44	85	3.28	60	3.40	35
10	3.38 - 10	90	3.23 - 6	65	3.45	40
15	3.29	95	3.30	70	3.37 - 2	45
20	3.43	200	3.45	75	3.02	50
25	3.14	5	3.40	80	3.05	55
30	3.25 - 9	10	3.38 - 5	85	3.26	60
35	3.04	15	3.30	90	3.39 - 1	
40	1.87	20	2.90	95	3.35	
45	1.71	25	2.68	300	3.06	
50	1.60 - 8	30	2.09 - 4	5	2.98	
55	1.40	35	2.30	10	2.98	
60	3.03	40	2.87	15		
65	2.01	45	2.92	20		
70	1.10 - 7	50	3.18 - 3	25		
75	2.11					

11.12 VOLTS
25.9 Amps
.42 Ω

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

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

