

#21 30-045-23158

#211 - 30-045-27061 -

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

Operator MERIDIAN OIL INC. Location: Unit G Sec. 29 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC A #21, #211

cps 2073w

Elevation 5984' Completion Date 1/13/89 Total Depth 300' 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. 50' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 265', 255', 245', 235', 225', 215', 205', 195', 185', 176'

Depths vent pipes placed: 302'

Vent pipe perforations: 260'

Remarks: gb #1

**RECEIVED**  
MAY 31 1991  
CON. D<sup>11</sup>

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

Comp 1-17-89

Drilling Log (Attach Hereto)

Completion Date 1-13-89

CPS #	Well Name, Line or Plant	Work Order #	Status	Ins. Union Check					
2073-w	ATLANTIC "A" # 211	3436A		<input checked="" type="checkbox"/> Good <input checked="" type="checkbox"/> Bad					
STW 33	ATLANTIC "A" # 21 3	44817A		2" BAD					
Location	Anode Size	Anode Type	Size Bit						
G29-31-10	2" x 60"	Duriron	6 3/4"						
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used				
300'	297'								
Anode Depth									
# 1 265'	# 2 255'	# 3 245'	# 4 235'	# 5 225'	# 6 215'	# 7 205'	# 8 195'	# 9 185'	# 10 176'
Anode Output (Amps)									
# 1 4.1	# 2 4.0	# 3 4.1	# 4 3.7	# 5 3.7	# 6 3.7	# 7 4.1	# 8 4.2	# 9 5.2	# 10 4.5
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 11.72	Amps 22.5	Ohms .521							

Remarks: DRILLED TO 300'; LOGGED 297'; DRILLER SAID WATER AT 50'; NO SAMPLE. INSTALLED 302' OF 1" PVC VENT PIPE; PERFORATED BOTTOM 260'

(11 wires)

555-9537-001-00-0

\* CAN TIE IN TO EXISTING AC AND CROSS 2" OF EPNG'S MAIN LINES; CONTACT ME WHEN DITCHING

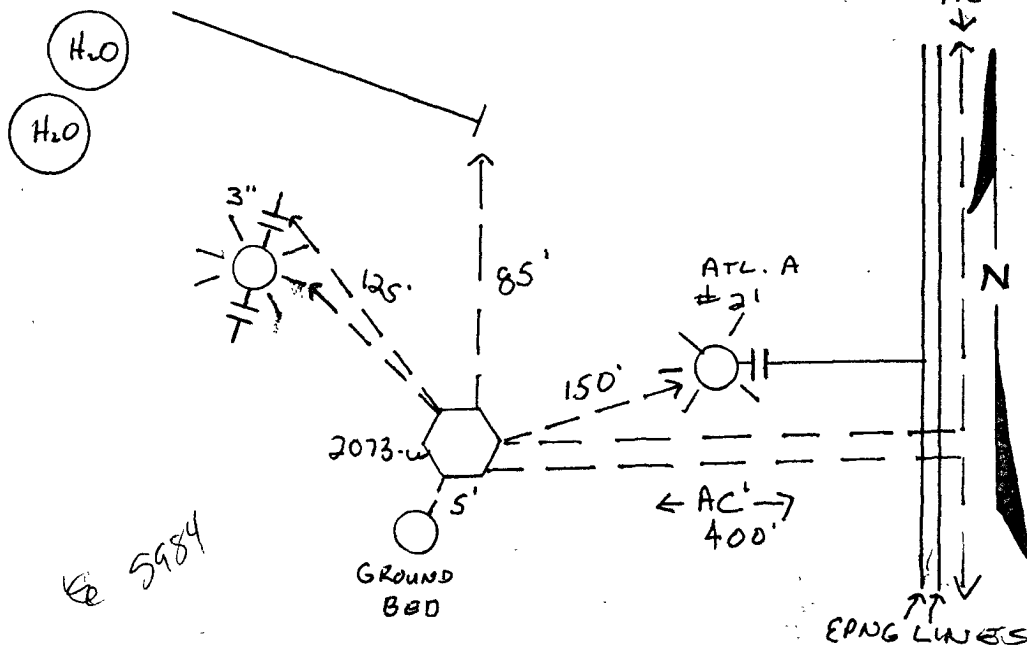
Rectifier Size: 40 V 16 A  
 Addn'l Depth \_\_\_\_\_  
 Depth Credit: 203' 3.50  
 Extra Cable: 595' 24  
 Ditch & 1 Cable: 765' 70  
 25' Meter Pole: \_\_\_\_\_  
 20' Meter Pole: \_\_\_\_\_  
 10' Stub Pole: \_\_\_\_\_  
 Junction Box: \_\_\_\_\_

All Construction Completed

*M. J. Williams*  
 (Signature)

4074.00  
 669.00 Rect  
 -710.50 CREDIT ✓  
 142.80 ex. cable ✓  
 535.50 Ditch + 1 ✓  
 158.50 stub pole  
 225.00 J. Box  
 -----  
 5094.30 ✓  
 254.72 TAX  
 -----  
 5349.02 OK 9/2

GROUND BED LAYOUT SKETCH

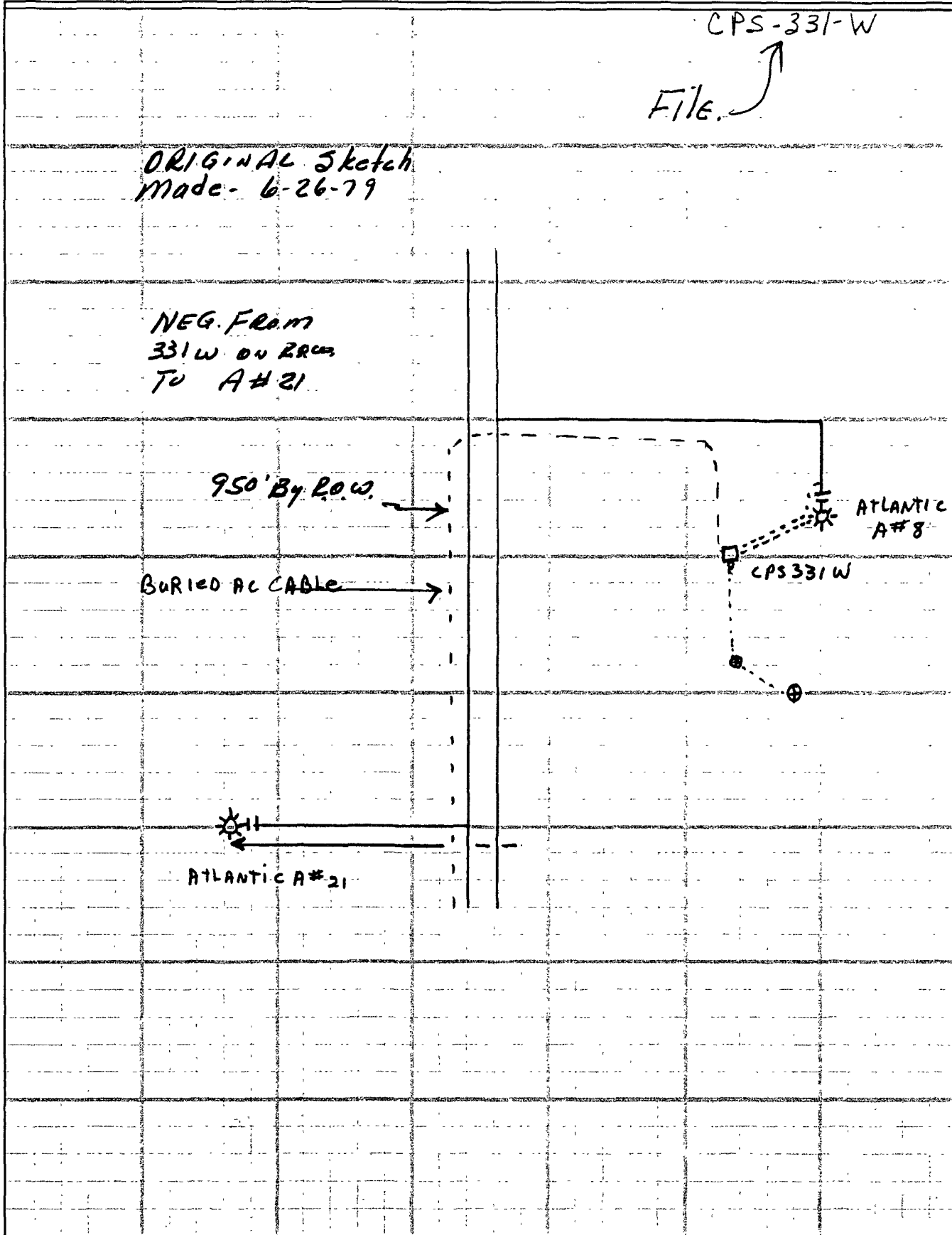


5984

CPS 331 W ATLANTIC A# 8 (MU) 4.4 MIN. AMPS.  
CLOSE OFFSET ATLANTIC A# 21 (PC) (st 4/5 w = .90 1500mat)  
(4/5 with cps on = .92)  
NE 29-31-10

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



950  
200

Cross DRILLING CO.

Drill No. D-10

DRILLER'S WELL LOG

S. P. No. Atlantic "A" 211 Date 1-13-87

Client Meridian oil Prospect \_\_\_\_\_

County San Juan State N.M.

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

FROM	TO	FORMATION -- COLOR -- HARDNESS
0	90	Sand, gravel
90	190	Shale
190	210	Sandstone, sandy shale
210	270	Shale
270	300	Sandstone

Mud \_\_\_\_\_ Bran \_\_\_\_\_ Lime \_\_\_\_\_

Rock Bit Number LC 3/4" Make \_\_\_\_\_

Remarks: Water @ 50'

Driller Ron Matt