

#78= 30-039-07204
#109= 30-039-07210

4795

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

Operator MERIDIAN OIL Location: Unit A Sec. 1 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #78, #109

cps 675w

Elevation 6495' Completion Date 7/18/87 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. 100' & 200' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 380', 350', 310', 300', 290', 255', 245', 230', 175', 165'

Depths vent pipes placed: 415'

Vent pipe perforations: BOTTOM 300'

Remarks: qb #2

RECEIVED

MAY 31 1991

OIL CON. DIV
DIST ?

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) ☐#78
#109722465 7222965
7337665

Completion Date 7-18-87

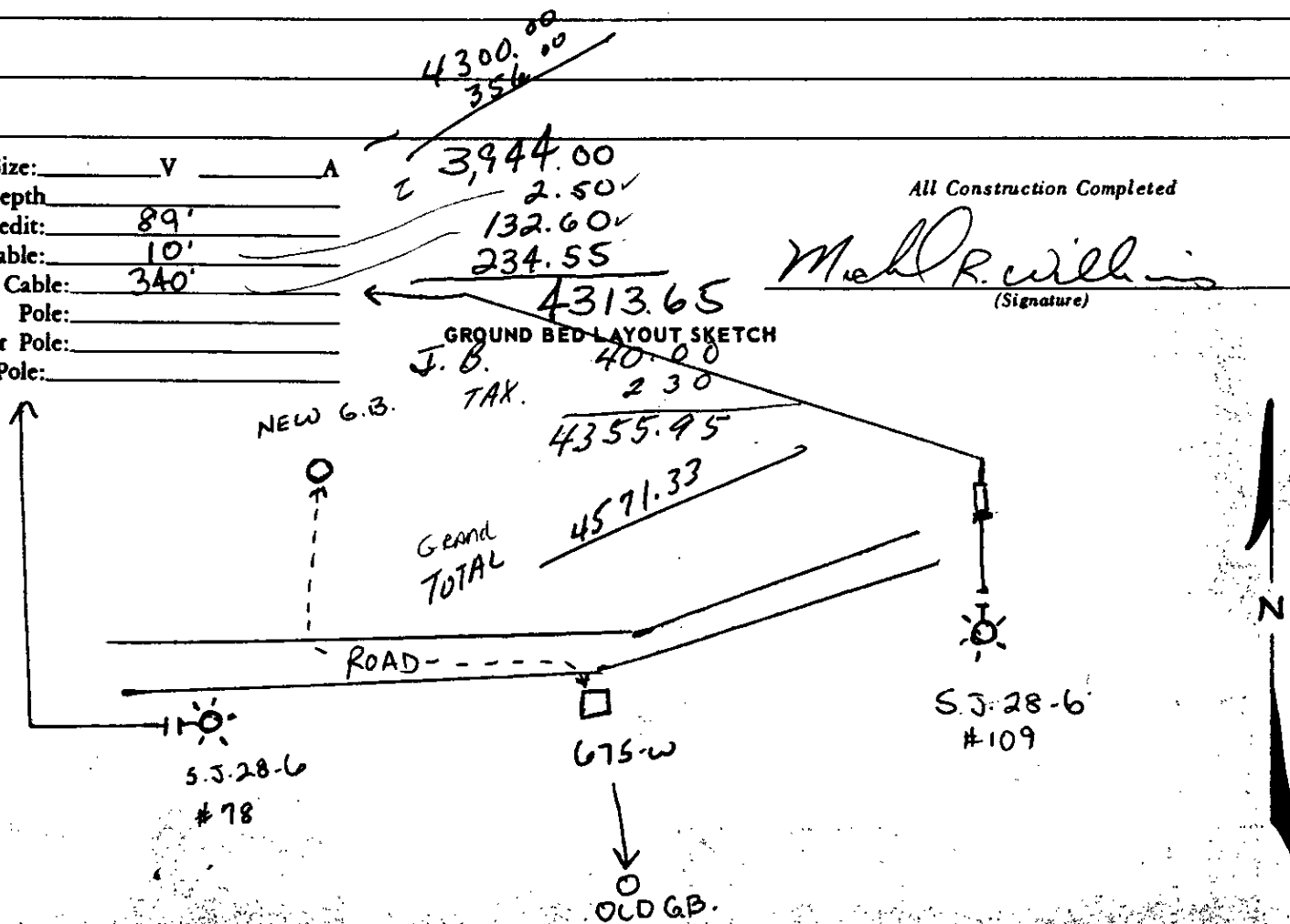
CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
675-W	S. J. 28-6 #78 S. J. 28-6 #109	A 1-27-6 B 1-27-6		☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
A 1-27-6	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Gels Used	Lost Circulation Mat'l Used
420'	411'			
Anode Depth				
# 1 380'	# 2 350'	# 3 310'	# 4 300'	# 5 290'
# 6 255'	# 7 245'	# 8 230'	# 9 175'	# 10 165'
Anode Output (Amps)				
# 1 4.1	# 2 3.9	# 3 4.5	# 4 4.1	# 5 4.5
# 6 3.5	# 7 3.0	# 8 3.5	# 9 3.9	# 10 3.4
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 12.0	Amps 19.6	Ohms .61		

Remarks: DRILLER SAID WATER AT 100' & 200'. CAUGHT SAMPLE
DRILLED TO 420' LOGGED 411'. INSTALLED 415' OF VENT PIPE
PERFORATED BOTTOM 300'.

Rectifier Size: _____ V _____ A
Addn'l Depth _____
Depth Credit: 89'
Extra Cable: 10'
Ditch & 1 Cable: 340'
25' Meter Pole: _____
20' Meter Pole: _____
10' Stub Pole: _____

All Construction Completed

M. R. Williams
(Signature)



BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

OPS 675W

COMPANY Meridian

DAILY DRILLING REPORT 7/18

10827

WELL NAME:

WELL NUMBER:

SECTION:

TOWNSHIP:

RANGE:

S.J. 28-6

78

1

27 N

6 W

FEET:

HOLE MADE:

6 3/4

WATER AT:

H₂O 100'

DESCRIPTION OF FORMATION

FORMATION IS

COLOR

FROM

TO

0

40

sand & shale

Grey

40

100

water sandstone

H₂O

100

200

Red & Grey shale

Grey

200

240

sandstone

240

280

shale & sandstone

280

300

sandstone

300

330

shale Grey & Red

330

360

sandstone

360

420

shale & sandstone

Grey

REMARKS:

Driller

Verni J. H.

Tool Dye

BURGL CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 7-18-87

Company Meridian Oil

Well No. _____

Location ST 28-6 * 78 PM

Volts Applied 12.0

Amperes 19

5		230	2.2	1	455		680	① 3.80 → 2.0 → 4.1
10		235	1.9	1	460		685	② 3.50 → 2.0 → 3.0
15		240	1.6		465		690	③ 3.10 → 2.8 → 4.4
20		245	1.8	1	470		695	④ 3.00 → 3.2 → 4.1
25		250	1.9	1	475		700	⑤ 2.90 → 2.7 → 4.1
30		255	1.7	1	480		705	⑥ 2.55 → 1.8 → 3.1
35		260	1.6		485		710	⑦ 2.45 → 1.9 → 3.1
40		265	1.4		490		715	⑧ 2.30 → 2.2 → 3.1
45		270	1.2		495		720	⑨ 1.75 → 2.3 → 3.1
50		275	1.1		500		725	⑩ 1.65 → 2.4 → 3.1
55		280	1.2		505		730	
60		285	1.5		510		735	
65		290	1.8	1	515		740	
70		295	2.4		520		745	
75		300	1.8	1	525		750	
80		305	1.5		530		755	
85		310	2.3	1	535		760	
90		315	2.1		540		765	
95		320	0.9		545		770	
100	2.5	325	0.6		550		775	
105	2.4	330	1.6		555		780	
110	2.6	335	0.7		560		785	
115	2.1	340	0.7		565		790	
120	1.9	345	1.2		570		795	
125	2.0	350	1.9	1	575		800	
130	1.9	355	1.6		580		805	
135	1.5	360	1.6		585		810	
140	1.5	365	1.4		590		815	
145	1.5	370	1.5		595		820	
150	2.0	375	1.9		600		825	
155	1.6	380	2.0	1	605		830	
160	1.5	385	2.0		610		835	
165	2.2	390	1.9		615		840	
170	2.0	395	1.9		620		845	
175	2.3	400	2.0		625		850	
180	2.0	405	2.0		630		855	
185	1.7	410			635		860	
190	1.5	415	TD 411'		640		865	
195	0.8	420			645		870	
200	0.7	425			650		875	
205	0.7	430			655		880	
210	0.6	435			660		885	
215	0.6	440			665		890	
220	0.6	445			670		895	
225	1.2	450			675		900	



OS 695 cc

API WATER ANALYSIS REPORT FORM

Company <u>Mexican Oil</u>		Sample No.		Date Sampled <u>7/18/37</u>	
Field <u>Blanco</u>		Legal Description <u>A1-27-6</u>		County or Parish <u>Rio Arriba</u>	
State <u>N.M.</u>		Depth <u>100</u>		Formation	
Lease or Unit <u>28-6</u>		Well # <u>78</u>		Water, B/D	
Type of Water (Produced, Supply, etc.)		Sampling Point		Sampled By	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc)	<u>341</u>	<u>24.5</u>
Calcium, Ca	<u>321</u>	<u>16</u>
Magnesium, Mg	<u>29</u>	<u>0.1</u>
Barium, Ba		

OTHER PROPERTIES

pH _____
Specific Gravity, 60/60 F. 1.0049
Resistivity (ohm-meters) 490.2 cm

Total Dissolved Solids (calc.) 1926

Iron, Fe (total) _____
Sulfide, as H₂S _____

ANIONS

Chloride, Cl	<u>30.5</u>	<u>0.4</u>
Sulfate, SO ₄	<u>934</u>	<u>19.5</u>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<u>353.8</u>	<u>5.8</u>

REMARKS & RECOMMENDATIONS:

