

30-039-07759

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. 30 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #51

cps 210w

Elevation 6257' Completion Date 6/10/87 Total Depth 460' 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. 120' SAMPLE TAKEN

RECEIVED

MAY 31 1988

Depths gas encountered: N/A

OIL CON. DIV.
\ DIST. 3

Type & amount of coke breeze used: N/A

Depths anodes placed: 380', 370', 360', 350', 340', 330', 320', 290', 205', 190'

Depths vent pipes placed: 448' OF 1" PVC VENT PIPE

Vent pipe perforations: 320'

Remarks: gb #3

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.

meter 7035965

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

on computer
work order # 90107.50-90

Drilling Log (Attach Hereto) ☐

Completion Date 6-10-87

CPS #	Well Name, Line or Plant:	Work Order #	Static	Ins Union Check
210-W	A-30-6 #51			☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
A-30-30-6	2" x 60"	Dunlop	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
460'	448'			
Anode Depth				
#1 380'	#2 370'	#3 360'	#4 350'	#5 340'
#6 330'	#7 320'	#8 290'	#9 205'	#10 190'
Anode Output (Amps)				
#1 2.2	#2 3.1	#3 3.6	#4 3.3	#5 2.8
#6 3.5	#7 3.1	#8 3.4	#9 3.6	#10 3.7
Anode Depth				
#11 160'	#12	#13	#14	#15
#16	#17	#18	#19	#20
Anode Output (Amps)				
#11 4.3	#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 12.16	Amps 17.2	Ohms .71		

Remarks: Not water at 120' shut down and took water sample at 120'. Drilled 460' logged 448' installed 448' of 1" PVC vent pipe. Perforated 320'

4300.00

Rectifier Size: — V — A

Addn'l Depth: —

Depth Credit: — 52'

Extra Cable: — 170'

Ditch & 1 Cable: —

25' Meter Pole: —

20' Meter Pole: —

10' Stub Pole: —

Extra anodic: cost \$69.75

Junction 40.00

4244.25
212.21

4204.25

4456.46

⊗
NO. 2NEW G.B. #3
⊗ — 28" — ⊗
NO. 1

All Construction Completed

GROUND BED LAYOUT SKETCH

(Signature)

⊗
Rect.

N

CPS 210 W

COMPANY Meridian **DAILY DRILLING REPORT** June 9 1987

[illegible]

Brian E. Budge

Tool Dressers:

Date 6-10-87

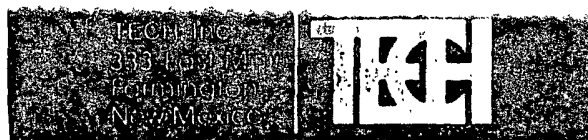
Company Messiah

Well No. S.J. 30-651 Location A 30-30N-06W

- Volts Applied

Amperes -

5		230	.4	455		680	Net water at
10		235	.7	460		685	120'
15		240	.5	465		690	Perforated 32.0'
20		245	1.1	470		695	Vent pipe
25		250	1.3	475		700	
30		255	1.2	480		705	
35		260	1.4	485		710	
40		265	.7	490		715	
45		270	.5	495		720	
50		275	.6	500		725	
55		280	1.0	505		730	
60		285	1.8	510		735	
65		290	2.0 - (8)	515		740	
70		295	1.4	520		745	
75		300	.9	525		750	
80		305	.7	530		755	
85		310	.9	535		760	
90		315	1.2	540		765	
95		320	1.9 - (5)	545		770	
100		325	1.8	550		775	
105		330	2.2 - (6)	555		780	
110		335	2.0	560		785	
115		340	1.6 - (5)	565		790	
120	1.5	345	1.4	570		795	
125	1.2	350	1.6 - (4)	575		800	
130	1.0	355	2.3	580		805	
135	1.2	360	2.3 - (3)	585		810	
140	1.1	365	2.1	590		815	
145	1.1	370	2.1 - (2)	595		820	
150	1.4	375	2.2	600		825	
155	1.4	380	1.9 - (1)	605		830	
160	1.6 (11)	385	1.4	610		835	
165	1.2	390	1.0	615		840	
170	1.2	395	1.0	620		845	(13) 380 - 1.9 → 2.
175	1.3	400	1.6	625		850	(14) 370 - 2.2 → 3.
180	1.2	405	.4	630		855	(15) 360 - 2.6 → 3.
185	1.2	410	.5	635		860	(16) 350 - 2.0 → 3.
190	1.6 - (12)	415	.6	640		865	(17) 340 - 1.8 → 2.
195	1.3	420	.5	645		870	(18) 330 - 2.3 → 3.
200	1.1	425	.4	650		875	(19) 320 - 2.1 → 3.
205	1.5 - (1)	430	.3	655		880	(20) 290 - 2.2 → 3.
210	1.4	435	.5	660		885	(21) 205 - 2.2 → 3.
215	.6	440	.4	665		890	(22) 190 - 2.3 → 3.
220	.5	445	.3	670		895	(23) 160 - 2.0 → 4.
225	.4	450	448 TL	675		900	



CPS (210W)

API WATER ANALYSIS REPORT FORM

Company <u>Meridian Oil Co.</u>		Sample No. <u>CT2</u>	Date Sampled
Field	Legal Description <u>A-30-30-06</u>	County or Parish <u>SAN. JUAN</u>	State <u>N. M.</u>
Lease or Unit <u>SJ-30-6</u>	Well <u>51</u>	Depth <u>120</u>	Formation <u>Ground Bed</u>
Type of Water (Produced, Supply, etc.) <u>Ground Bed.</u>	Sampling Point <u>120</u>	Sampled By <u>M.S. F. L. E.</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>114</u>	<u>5.0</u>
Calcium, Ca	<u>120</u>	<u>6.0</u>
Magnesium, Mg	<u>82</u>	<u>6.7</u>
Barium, Ba		

ANIONS

Chloride, Cl	<u>21.0</u>	<u>.6</u>
Sulfate, SO ₄	<u>12.5</u>	<u>2.6</u>
Carbonate, CO ₃	<u>0</u>	<u>0</u>
Bicarbonate, HCO ₃	<u>883</u>	<u>14.5</u>
<u>hydroxide</u>	<u>0</u>	<u>0</u>

Total Dissolved Solids (calc.) 1345

Iron, Fe (total) 0
Sulfide, as H₂S 0

REMARKS & RECOMMENDATIONS:

OTHER PROPERTIES

pH	<u>7.97</u>
Specific Gravity, 60/60 F.	<u>1.0003</u>
Resistivity (ohm-meters) <u>75</u> F.	<u>5.9</u>
<u>Total Hardness</u>	<u>636</u>

WATER PATTERNS — me/l

