

#1 30-045-09709
#210 30-045-27082

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 SW Sec. 7 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY J #1, #210

cps 2065w

Elevation 6137' Completion Date 5/20/63 Total Depth 200' 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. N/A

Depths gas encountered: N/A

Type & amount of coke breeze used: 1445 lbs.

Depths anodes placed: 175', 135', 129', 120', 114'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1, gb #2, gb #3

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

DATE May 20, 1963

WELL NAME SUNRAY No 1-J #1, #20

CPS NO. 361-K/206

LOCATION 51st Sec 7 T30 N. R10 W

WORK ORDER NUMBER 189- 40542-50-02

ANODE HOLE DEPTH 200

TOTAL DRILLING RIG TIME 6 1/2 Hrs.

DRILLING TIME FOR RECTIFIER POLE HOLE 0

TYPE AND SIZE BIT USED 1 1/4 Rock -WM 3500X

NUMBER SACKS MUD USED 1

NUMBER SACKS LOST CIRCULATION MAT'L USED 0

ANODE DEPTHS #1 175, #2 135, #3 129, #4 120 5 114

TOTAL LBS. COKE USED 1445 17 sacks

ANODE OUTPUTS 12.0 VOLTS, #1 4.3, #2 4.6, #3 4.4, #4 4.6 #5 4.0

TOTAL CIRCUIT RESISTANCE: VOLTS 11.4 AMPERES 10.5 OHMS 1.08-2

NUMBER FEET SURFACE CABLE ~~CONDUIT~~ 520'

DRILLING LOG (ATTACH HERETO).

FORMATION LOG (ATTACH HERETO).

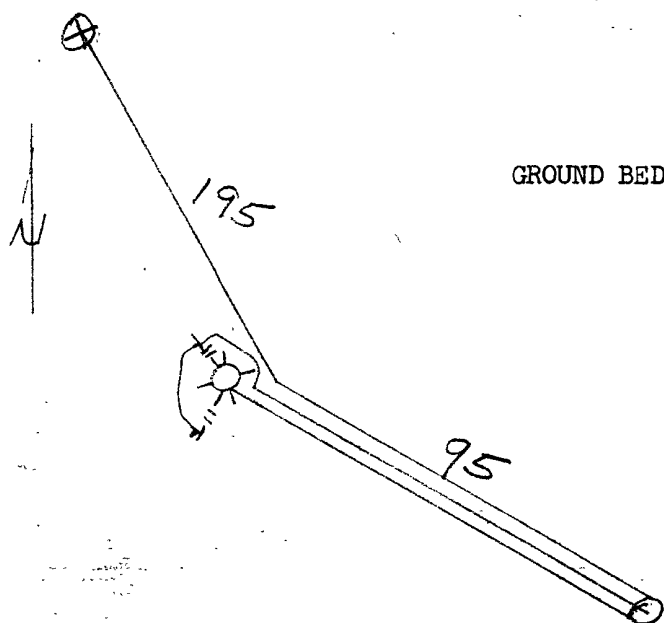
REMARKS: Static G_s = .90 R. 600' SE

Good All Rectifier 28V 12A Ser. # 62C6144

ALL CONSTRUCTION COMPLETED

Forreals
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

637

1288

SUNRISE No 1-J
LEASE SET TOOL ROOM WELL NO.

CONTRACTOR

J. E. Wilson

RIG NO D-6

REPORT NO.

DATE MAY 20 1963

MORNING

DAYLIGHT

EVENING

Driller

FROM

TO

FORMATION

Total Men In Crew

W.T. BIT

R.P.M.

Driller

FROM

TO

FORMATION

Total Men In Crew

W.T. BIT

R.P.M.

Driller

FROM

TO

FORMATION

Total Men In Crew

W.T. BIT

R.P.M.

FROM	TO	FORMATION	Total Men In Crew	W.T. BIT	R.P.M.	Driller	FROM	TO	FORMATION	Total Men In Crew	W.T. BIT	R.P.M.	Driller	FROM	TO	FORMATION	Total Men In Crew	W.T. BIT	R.P.M.
0	20	SAND	3500				103	160	SLT	3500									
20	75	Shale	1				160	170	Shale	1									
75	85	Shale	1				170	180	Shale	1									
85	103	Shale	1				180	200	Shale	1									

BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.
3500 X											

SERIAL NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS
3500 X					

SIZE	SINGLES	SIZE	SINGLES	SIZE	SINGLES
3500 X					

TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY
Rock W-M-3					

MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH
W-M-3	200'				

MUD RECORD	MUD, ADDITIVES USED AND RECEIVED	MUD RECORD	MUD, ADDITIVES USED AND RECEIVED	MUD RECORD	MUD, ADDITIVES USED AND RECEIVED
Time		Time		Time	

WT.	Vis.	WT.	Vis.	WT.	Vis.

FROM	TO	FROM	TO	FROM	TO

TIME BREAKDOWN	TIME BREAKDOWN	TIME BREAKDOWN

TIME BREAKDOWN	TIME BREAKDOWN	TIME BREAKDOWN

TIME BREAKDOWN	TIME BREAKDOWN	TIME BREAKDOWN

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TIME BREAKDOWN	TIME BREAKDOWN	TIME BREAKDOWN

REMARKS -

MAY 19 - OFF
MAY 20 - LEFT Bloomfield 6:00

REMARKS -

ARRIVED AT RIG 6:50 DRILLED 200' FINISHED 1:30

REMARKS -

SIGNED: Toolpusher

Company Supervisor

J. E. Wilson

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NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit M Sec. 7 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY J #1, #210

cps 2065w

Elevation 6137' Completion Date 1/5/89 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. . 90' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 275', 265', 255', 245', 235', 225', 215', 205', 195', 185'

Depths vent pipes placed: 305'

Vent pipe perforations: 220'

Remarks: (gb. #3)

RECEIVED

MAY 31 1991

OIL CON. D¹
DIST. 2

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.

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If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Comp 1-1-89

Drilling Log (Attach Hereto) ☒

Completion Date 1-5-89

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins Union Check
2065-w	SUNRAY J #210	3344A	600' E = 1.01	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
M 7-30-10	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
300'	300'			
Anode Depth				
# 1 275'	# 2 265'	# 3 255'	# 4 245'	# 5 235'
# 6 225'	# 7 215'	# 8 205'	# 9 195'	# 10 185'
Anode Output (Amps)				
# 1 5.8	# 2 6.0	# 3 5.5	# 4 5.3	# 5 5.0
# 6 6.2	# 7 6.8	# 8 7.2	# 9 6.1	# 10 6.0
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 12.2	Amps 262	Ohms .466		

Remarks: DRILLED 300'; LOGGED 300'. DRILLER SAID WATER AT 90' NO SAMPLE. INSTALLED 305' OF 1" PVC VENT PIPE, PERFORATED BOTTOM 220'.

* CAN TIE IN TO EXISTING RECTIFIER 361-W. WILL NEED BREAKER BOX FOR 361-W

Rectifier Size: 40V 16A
Addn'l Depth: _____
Depth Credit: 200' 3.50
Extra Cable: 670' 24
Ditch & 1 Cable: 740' 10
25' Meter Pole: _____
20' Meter Pole: _____
10' Stub Pole: 1

4074.00
- 700.00 CREDIT ✓
669.00 RECT. ✓
160.80 ex. CABLE ✓
518.00 DITCH & 1 ✓
158.50 STUB POLE ✓
225.00 J. BOX ✓

5105.30
255.27 TAX

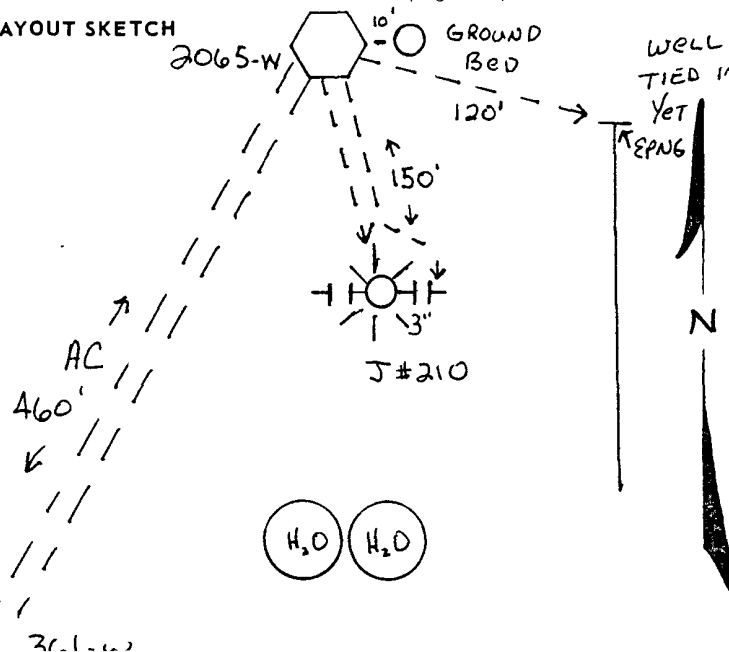
5360.57 OK 92

61.37

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



DANIEL CRASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. SUNRAY J #210 Date 1-5-89
Client Meridian Oil Co. Prospect _____
County SAN JUAN State New Mex.

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

FROM	TO	FORMATION — COLOR — HARDNESS
<u>0</u>	<u>40</u>	<u>SANDstone</u>
<u>40</u>	<u>75</u>	<u>Shale</u>
<u>75</u>	<u>120</u>	<u>SAND -</u>
<u>120</u>	<u>140</u>	<u>SANDstone</u>
<u>140</u>	<u>160</u>	<u>Shale</u>
<u>160</u>	<u>170</u>	<u>SANDstone</u>
<u>170</u>	<u>230</u>	<u>Shale</u>
<u>230</u>	<u>260</u>	<u>SANDy shale</u>
<u>260</u>	<u>300</u>	<u>Shale</u>

Mud _____ Brn _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 90'

Driller RONNIE BROWN

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
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Operator MERIDIAN OIL INC. Location: Unit SW Sec. 7 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY J #1, #210

cps 2065w

Elevation 6137' Completion Date 8/12/74 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. 160'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 335', 325', 315', 300', 290', 280', 250', 240', 230', 220'

Depths vent pipes placed: N/A

Vent pipe perforations: 245'

Remarks: gb #2

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 3

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WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

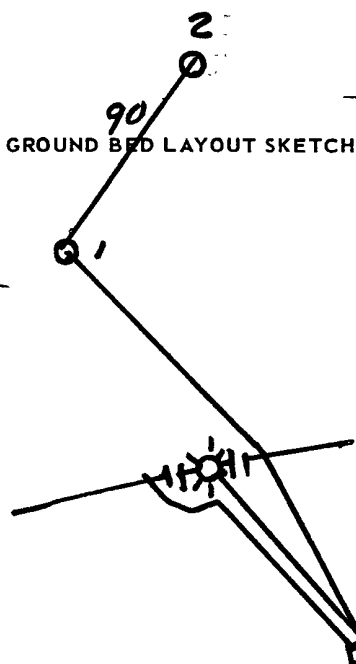
Drilling Log (Attach Hereto) ☐

Completion Date **8-12-74**

Well Name SUNRAY #1-J #1		Location SW 7-30-10		CPS No. 36TW 2065	
Type & Size Bit Used 6 3/4				Work Order No. 53435	
Anode Hole Depth 400'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 335	# 2 325	# 3 315	# 4 300	# 5 290	# 6 280
# 7 250	# 8 240	# 9 230	# 10 220		
Anode Output (Amps)					
# 1 3.0	# 2 3.6	# 3 3.7	# 4 3.3	# 5 3.5	# 6 3.4
# 7 3.8	# 8 4.1	# 9 4.7	# 10 4.6		
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 11.4	Amps 13.0	Ohms .87		95'	

Remarks: **Driller Said Water at 160-
Fill With Water & Log 200' to 380
Vent Perforated 245'
Pump Coke to Surface**

\$ 2,409.00
38.00 Cable
\$ 3,447.00
-280.00 Depth Credit
\$ 3,167.00
126.68 TAX
\$ 3,293.68



All Construction Completed

Arreola
(Signature)

62137

361W X=6.1

90.5B

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	C ₄ 12.38
72	C ₅ 14.33
86	C ₆ 16.29
100	C ₇ 18.25
114	C ₈ 20.21
128	C ₉ 22.17
142	C ₁₀ 24.13

MW	MISC	gas/mol
44	CO ₂	6.38
28	N ₂	5.17
2	H ₂	3.38

170	3.50	1.0	Driller Said Wt Rat		
		1.2	200-		
60	60	1.4	Drillers Log Shows		
		2.0	150-160		
90	90	2.3			
		2.2			
300	300	2.3			
		1.3			
10	10	1.6			
		1.4			
30	30	1.5			
		1.5			
30	30	1.7			
		1.6			
100	100	1.6			
		1.6			
30	30	1.6			
		1.2			
60	60	1.0			
		7			
90	90	1.1			
		1.5			
60	60	1.5			
		1.5			
90	90	1.6			
		1.5			
300	300	1.5			
		1.2			
90	90	1.8			
		1.8			
30	30	2.0			
		1.9			
30	30	1.7			
		1.8			
90	90	1.5			
		7			

Vent Perf 245

Log. Wt. Cuts

1	325	1.8	2.0	3.0
2	325	1.9	2.4	3.6
3	315	1.8	2.2	3.7
4	300	1.5	1.9	3.3
5	290	1.6	2.0	3.5
6	280	1.5	2.0	3.4
7	250	1.6	2.2	3.8
8	240	1.6	2.1	4.1
9	230	1.7	2.0	4.7
10	220	1.5	1.7	4.6

120 11.4 130 A = 0.87

STORM WATER WELL DRILLING INC.

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
WATER WELL DRILLING

CONTRACTORS
14991 W. 44TH AVENUE
GOLDEN, COLORADO 80401
PHONE (303) 278-9503

**GENERAL OFFICE
14991 W. 44TH AVENUE
BAILEY OFFICE
CALL 1-858-4821**

Drill: GD 151

Date: 8-12-74

Owner C.P.S. 3613

Location

City San Diego, CA

State

U

County

[illegible]

Total Hours _____

C.P.S. Time

Equipment Down Time _____

S.W.W.D.I. Time

Hours Drilled _____

Total Footage

Dr. Jackwell
Driller

Approval of

Helper _____

C.P.S. Engineer

Helper