

#1 30-045-09540

#210 30-045-27074

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 H Sec. 15 Twp 30 Rng 10

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

cps 2079w

Elevation 6531' Completion Date 5/21/75 Total Depth 380' 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. 170'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3300 lbs.

Depths anodes placed: 240', 210', 200', 190', 180'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb. #2.

RECEIVED
MAY 31 1991
OIL CON. 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

Log

Drilling Log (Attach Hereto). ☐

#2W

Completion Date 5/21/75

Well Name SUNRAY A#1		Location NE 15-30N-10W		CPS No. 206W 2079	
Type & Size Bit Used 6 3/4				Work Order No. 52258	
Anode Hole Depth 380	Total Drilling Rig Time	Total Lbs. Coke Used 3300	Lost Circulation Mat'l Used 1	No. Sacks Mud Used 8	
Anode Depth					
#1 240	#2 210	#3 200	#4 190	#5 180	#6
#7	#8	#9	#10		
Anode Output (Amps)					
#1 4.0	#2 4.2	#3 4.0	#4 4.8	#5 5.0	#6
#7	#8	#9	#10		
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 11.5	Amps 11.5	Ohms 1.0		1155	

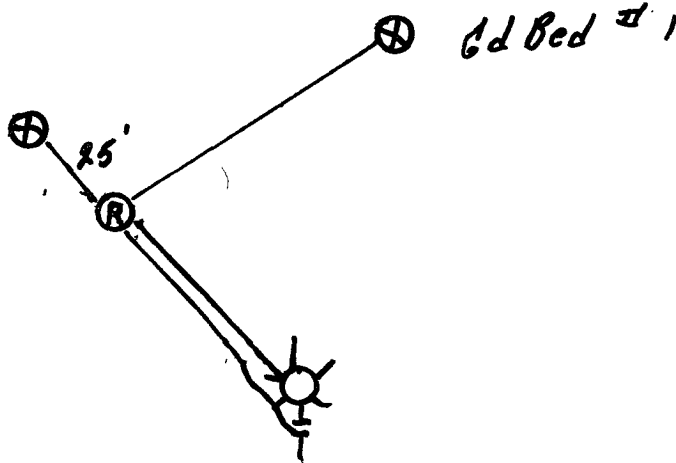
Remarks: Driller said Damp 170' to 200'. Water standing @ 220' next morning. Drill with Air to 380'. Log went to 320' next morning Driller Backed off Drill Pipe Two hrs Fishing. Attempt To Flush hole with water. Lost circulation mixed mud and Muds and circulated. Flushed and Logged To 292'. Ran #1 Anode To 255' pulled Back up To 240' Logged Hole. Vent Hose Perforated 200'.

All Construction Completed

Edward R. Pauk
(Signature)

GROUND BED LAYOUT SKETCH

note - 231 -
Anodes - 130 -
Wire - 101.1 d
5 Bars - 84 -
Mud - 5000
296.1 d Gd Bed #2
Fisher 2777.46
3273.64



6531

SYNFUELS DIVISION

DAILY DRILL REPORT

Rig# 3991Date 5-16-75

Shift _____

Location _____

Hole No. 206-W

County and State _____

CORING

NONCORING

TIME RECORD

Run No.				
Size		<u>6 3/4 Rock bit</u>		
Make				
Ser. No.				
Ft. Drilled			<u>380.0</u>	
Hr. Run				

DEPTH

FORMATION

Rec.	From	To	FORMATION
	0.0	6.0	SW
	6.0	13.0	Sandstone tan
	13.0	15.0	Shale gry
	15.0	21.0	Sandstone gry
	21.0	26.0	Gravel
	26.0	31.0	Sandstone
	31.0	34.0	Shale gry
	34.0	37.0	Sand. tan
	37.0	42.0	Sandstone
	42.0	53.0	Conglomerate
	53.0	55.0	Shale gry
	55.0	60.0	Sandstone gry
	60.0	72.0	Sandstone tan
	72.0	75.0	Shale gry
	75.0	112.0	Sandstone gry
	112.0	114.0	Shale gry
	114.0	177.0	Sandstone gry
	177.0	179.0	Shale gry
			<u>dump at 172.0</u>

MOVING TIME

NAME

HRS. WORKED

From _____	Driller <u>Grimmy Jones</u>
To _____	Helper <u>Markus Begay</u>
_____	Helper _____
Hrs. _____	Truck Driver _____
Supervisor _____	

DAILY DRILL REPORT

Rig _____ Date _____ Shift _____

Location _____ Hole No. 206-W

County and State _____

CORING

NONCORING

TIME RECORD

Run No.					
Size					
Make					
Ser. No.					
Ft. Drilled					
Hr. Run					

DEPTH

FORMATION

Rec.	From	To	
	179.0	194.0	Sandstone gray
	194.0	208.0	Shale gray
	208.0	217.0	Sandstone gray
	217.0	224.0	Shale gray
	224.0	251.0	Sandstone gray
	251.0	258.0	Shale gray
	258.0	282.0	Sandstone gray
	282.0	286.0	Shale gray
	286.0	289.0	Sandstone gray
	289.0	291.0	Shale gray
	291.0	-	Sandstone gray
5-20-75	0.0	291.0	Clean out hole, water at 220.0
	293.0	306.0	Shale gray
	306.0	320.0	Sandstone gray
	320.0	324.0	Shale gray
	324.0	327.0	Sandstone gray
	327.0	330.0	Shale gray

MOVING TIME

NAME

HRS. WORKED

From _____	Driller <u>Jim Jones</u>
To _____	Helper <u>Matthew Begay</u>
_____	Helper _____
Hrs. _____	Truck Driver _____
Supervisor _____	

3/2

SYNFUELS DIVISION

Rig _____ Date _____ Shift _____

Location _____ Hole No. 206-W

County and State _____

CORING			NONCORING		TIME RECORD
Run No.					
Size					
Make					
Ser. No.					
Ft. Drilled					
Hr. Run					

DEPTH			FORMATION
Rec.	From	To	
	336.0	337.0	Sandstone
	337.0	340.0	Shale gray
	340.0	351.0	Sandstone
	351.0	358.0	Shale gray
	358.0	380.0	Sandstone gray
	380.0	—	TD
75	0.0	380.0	Clean out hole...

5/27/75

MOVING TIME		NAME	HRS. WORKED
From _____		Driller <u>Jimmy Jones</u>	
To _____		Helper <u>Matt Begay</u>	
_____		Helper _____	
_____ Hrs. _____		Truck Driver _____	
Supervisor _____			

206W
SAN ROY A#1X = 5.4
DAMP @ 120' - 200'

MW	gate/mol
18	C ₁ 8.4
30	C ₂ 9.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	IC ₄ 13.85
86	IC ₄ 15.31
100	IC ₄ 16.78
114	C ₅ 17.45
128	C ₆ 19.38
142	C ₇ 21.67

170	1.8	50
180	3.0	60
190	3.0	70
200	1.6 2.0	80
10	1.6 2.4	90
20	1.0 1.0	400
30	1.0 1.0	
40	2.4 3.0	
50	1.2 1.0	
60	.9	
70	1.0 1.4	
80	2.2 2.4	
90	1.0 1.0	292
300	.8	
10	.6	
20	.6	
30		
40		

Water standing @
220' next morning
Driller Backbit & Drill
Pipe Two hrs Fishing
WENT TO BOTTOM OF
Hole To Flush with
water lost circulation
Mixed 8 sacks mud
1 Hulls regain circula
Log To 292 cave in
Ran First Anode To 25;
cave in Pull Back To 140'

		water	coke
1	250	3.0	4.0
2	270	3.0	4.2
3	240	2.4	4.0
4	190	3.0	4.8
5	200	3.0	5.0

$$11.5V \quad 11.5A = 1.0 \Omega$$

33 sacks coke

MW	MISC	gate/mol
14	CO ₂	6.38
14	H ₂ S	2.17
28	N ₂	4.15
2	H ₂	3.38