#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. 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.

El Paso Natural Gas Company
Form 7-238 (Rev. 1-69)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Log

Drilling Log (Attach Hereto). ☐ #210

Completion Date 5/21/75

Well Name	Location	CPS No.
SunRay A #1	NE 15-30N-10W	206W 2079
Type & Size Bit Used: 6 3/4		Work Order No.: 52258

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
380		3300	1	8

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	240	210	200	190	180					
Anode Output (Amps)	4.0	4.2	4.0	4.8	5.0					

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth										
Anode Output (Amps)										

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	

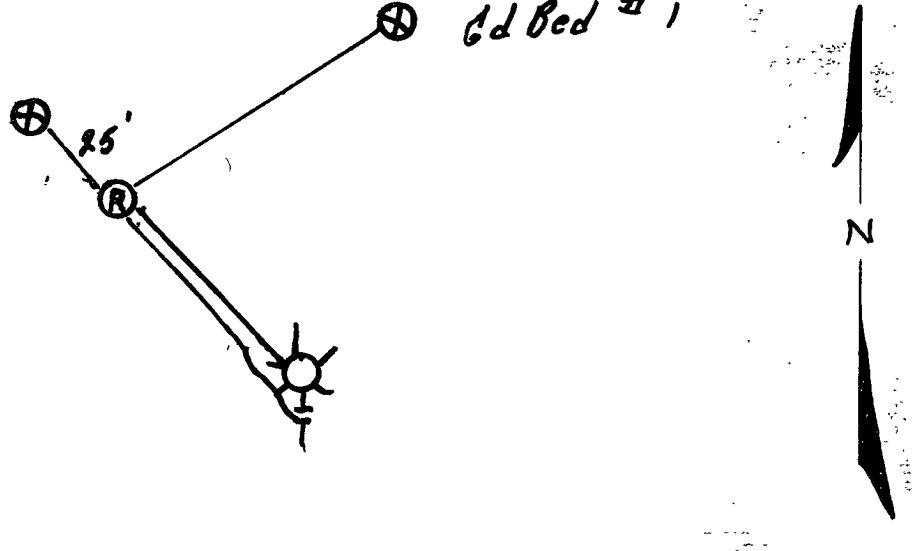
Remarks: Driller said Damp 170' to 200'. water standing @ 220' next morning. Drill with Air to 380'. Log went To 320' next morning Driller Backed off Drill pip Two hrs Fishing. Attempt To Flush hole with wate lost circulation mixed Mud and Hulls and circulat Flushed and Logged To 292'. Ran #1 Anode To 255' pulle Back up To 240' Logged Hole. Vent Hose perforated 200'

All Construction Completed

Edward R. Paulk
(Signature)

coke 231 —
Anodes 130 —
Wire .101.1 ft
T Box .84 —
Trench 50 —
596.1 ft Gd Bed #2
Labor 2777.46
3373.64

GROUND BED LAYOUT SKETCH



6531

Original & 1 Copy All Reports

Form 24-6 (9-72)

El Paso Natural Gas Company

SYNFUELS DIVISION

Y3

DAILY DRILL REPORT

Rig # 3991 Date 5-16-75 Shift

Location Hole No. 206-W

County and State

	CORING		NONCORING		TIME RECORD
Run No.					
Size		6 3/4 Rock bit			
Make					
Ser. No.					
Ft. Drilled			380.0		
Hr. Run					

DEPTH			FORMATION
Rec.	From	To	
	0.0	6.0	Sd
	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 damp at 172.0

MOVING TIME		NAME	HRS. WORKED
From		Driller Jimmy Jones	
To		Helper Mathew Begay	
	Hrs.	Helper	
		Truck Driver	
Supervisor			

Form 24-6 (9-72)

El Paso Natural Gas Company

SYNFUELS DIVISION

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 Jim Jones	
To _____	Helper Matthew Begay	
_____ Hrs. _____	Helper _____	
Supervisor _____	Truck Driver _____	

Form 24-6 (9-72)

El Paso Natural Gas Company

3/3

SYNFUELS DIVISION

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	
	330.0	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
5/21/75	0.0	380.0	Clean out hole . . .

MOVING TIME

From _____

To _____

_____ Hrs. _____

Supervisor _____

NAME **HRS. WORKED**

Driller Jimmy Jones

Helper Matt Begay

Helper _____

Truck Driver _____

Form 7-1 (Rev. 5-67)

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet ____ of ____
Date: ____
By: ____

206W
Sun Ray A #1

X = 5.4
Damp @ 120' - 200'

170			50
	1.8		
180	3.0		60
	3.0		
190	3.0		70
	2.8		
200	1.6	2.0	80
	2.8	2.0	
10	2.6	2.4	90
	1.0	1.0	
20	1.0	1.0	400
	1.0	1.0	
30	1.0	1.0	
	1.0		
40	2.4	3.0	
	2.2	2.9	
50	.9		
	.6		
60	.6		
	1.0	1.4	
70	2.2	2.4	
	2.9	2.9	
80	2.0	2.0	
	1.1		
90	1.0	BOT 292	
	.8		
300	.8		
	.6		
10	.6		
	.6		
20	.6		
30			
40			

Water standing @ 220 next morning
Driller Backed off Drill Pipe Two hrs Fishing went To Bottom of Hole To Flush with water Lost circulation Mixed 8 sacks Mud 1 Hulls regain circulation Log To 292 cave in Ran First Anode To 250 cave in Pull Back To 240'

			water	coke
1	~~290~~	~~300~~ 240	3.0	4.0
2	~~270~~	210	3.0	4.2
3	~~240~~	200	2.4	4.0
4	~~240~~	190	3.0	4.8
5	200	180	3.0	5.0
#6				

11.6V 11.5A = 1.0 Ω

33 sacks coke