

30-045-20782

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

Operator MERIDIAN OIL Location: Unit NE Sec. 9 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY E #3

cps 364w

Elevation 6497 Completion Date 5/16/75 Total Depth 475' 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. 230'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4900 lbs.

Depths anodes placed: 400', 390', 380', 370', 360'

Depths vent pipes placed: N/A

Vent pipe perforations: 185'

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

Drilling Log (Attach Hereto). ☐

Completion Date 5-16-75

Well Name SUNRAY #1		Location NE 9-30-10		CPS No. 364W	
Type & Size Bit 4 3/4 - 6 3/4				Work Order No. 90085	
Anode Hole Depth 475	Total Drilling Rig Time	Total Lbs. Coke Used 4900	Lost Circulation Mat'l Used	No. Sacks Mud Used 9	
Anode Depth					
# 1 400	# 2 390	# 3 380	# 4 370	# 5 360	# 6
Anode Output (Amps)					
# 1 6.8	# 2 7.4	# 3 6.6	# 4 8.0	# 5 6.8	# 6
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.8	Amps 17.5	Ohms 0.73		2115	NONE

Remarks: Drilled to 290 with 9 3/4 - Blew water out next A.M.
Drilled to 460 with 4 3/4 - Reamed with 6 3/4 to 475 with Mud.
Vent Perforated 185' - Slurry 49 sacks Coke
Synpools Rig -

Wire - 185.27

Cable - 343.00

Anodes - 130.00

J.Box - 83.00

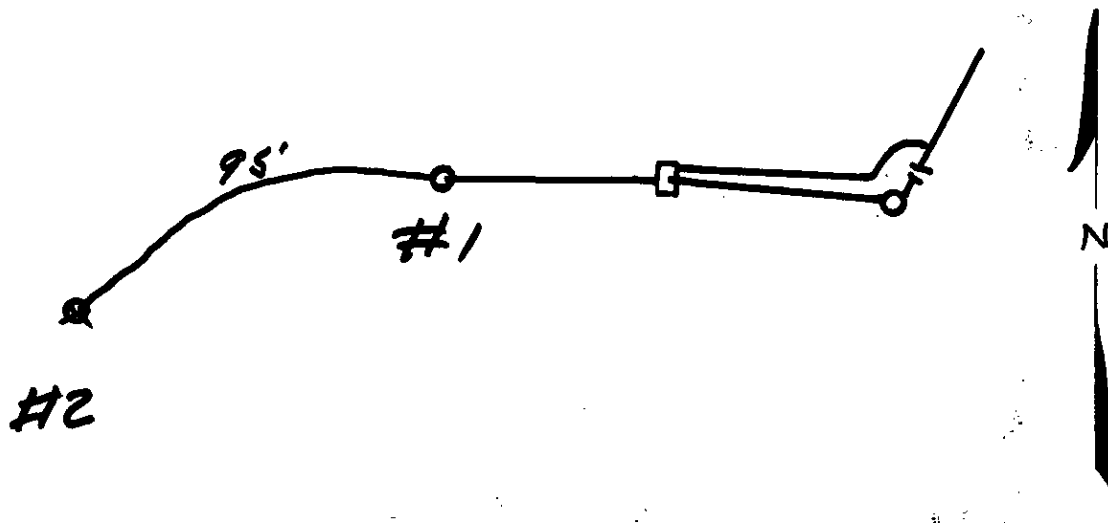
Misc. - 50.00

Construction Completed

Daniel
(Signature)

3868.27

GROUND BED LAYOUT SKETCH



240 - 1.2

364W - X = 4.6

MW	gas/mol
18	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	HC ₄ 12.38
72	HC ₅ 11.91
86	HC ₆ 13.85
100	HC ₇ 13.71
114	HC ₈ 15.56
128	HC ₉ 15.27
142	HC ₁₀ 17.2
156	HC ₁₁ 17.44
170	HC ₁₂ 19.38
184	HC ₁₃ 19.42
198	HC ₁₄ 21.37

250	1.2	430	4.4		
	1.0		4.0		
60	1.2	40	4.0		
	1.4	442	4.2	TD	
70	1.7	50			
	1.8				
80	1.9	60			
	2.0				
90	2.0	70			
	1.8				
300	1.7	80			
	2.0				
10	3.0				
	2.8				
20	2.5				
	1.9				
30	1.8				
	1.3				
40	8				
	2.1				
50	4.4				
	4.4				
60	4.8				
	4.6				
70	5.4				
	5.4				
80	4.6				
	4.8				
90	4.8				
	5.0				
100	4.8				
	4.8				
110	5.0				
	5.0				
120	5.0				
	5.1				

11.8V 4pg
Log With Mud in Hole
Water From Bottom Rock

Slurry 79 SX Coke

Anode

Coke

1	4.4	6.8
2	4.5	7.4
3	4.0	6.6
4	4.6	8.0
5	5.2	6.8

$$175 \sqrt{12.8} \sqrt{17.5A} = 0.73$$

MW	MISC	gas/mol
44	CO ₂	6.38
44	H ₂ S	5.17
44	N ₂	5.18
72	H ₂	3.38

DAILY DRILL REPORT

Rig # 3991Date 5-12-75

Shift _____

Location _____

Hole No. 364-W

County and State _____

CORING			NONCORING	TIME RECORD
Run No.				
Size			<u>4 3/4 + 6 3/4</u>	
Make				
Ser. No.				
Ft. Drilled			<u>475.0</u>	
Hr. Run				

DEPTH			FORMATION
Rec.	From	To	
	0.0	5.0	Sand and gravel
	5.0	6.0	Sandstone tan
	6.0	9.0	Shale gry
	9.0	128.0	Sandstone gry
	128.0	130.0	Shale brown
	130.0	159.0	Sandstone tan
	159.0	160.0	Shale gray
	160.0	189.0	Sandstone tan
	189.0	240.0	Sandstone gry
5-13-75	0.0	240.0	Clean out hole - water at 230 to 240.0
	240.0	360.0	Sandstone gry
	360.0	365.0	Shale gry
	365.0	366.0	Sandstone gray
	366.0	395.0	Shale gray
	395.0	405.0	Sandstone gry
	405.0	421.0	Shale gray
	421.0	432.0	Sandstone gry

9 Sacks Mud
0.45.

Cont....

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

DAILY DRILL REPORT

Rig _____ Date _____ Shift _____

Location _____ Hole No. 367-W

County and State _____

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

DEPTH			FORMATION
Rec.	From	To	
	432.0	442.0	Shale gray
	442.0	475.0	Sandstone gray
	475.0	—	T.O.
5-14-75	0.0	440.0	Reamed with 6 3/4 Rock bit
15-75	0.0	440.0	Clean out hole
	440.0	475.0	Reamed with 6 3/4 Rock bit
15-75	0.0	420.0	Cleaned out hole

MOVING TIME		NAME	HRS. WORKED
From _____		Driller <i>Jimmy Jones</i>	
To _____		Helper <i>Mathew Begoy</i>	
_____		Helper _____	
_____ Hrs. _____		Truck Driver _____	
Supervisor _____			