

30-045-09280

4636

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

Operator MERIDIAN OIL Location: Unit SW Sec. 19 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced MANSFIELD #2

cps 52w

Elevation 6204' Completion Date 5/28/75 Total Depth 365' 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. 225'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4200 lbs.

Depths anodes placed: 305', 295', 285', 275', 240'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: qb #2

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

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 5-28-75

Well Name MANFIELD #2		Location SW19-30-9		CPS No. 52W	
Type & Size Bit Used 6 3/4				Work Order No. 52283	
Anode Hole Depth 365		Total Drilling Rig Time		Total Lbs. Coke Used 4200	
				Lost Circulation Mat'l Used 0	
No. Sacks Mud Used 0					
Anode Depth					
# 1 305	# 2 295	# 3 285	# 4 275	# 5 240	# 6
# 7	# 8	# 9	# 10		
Anode Output (Amps)					
# 1 3.5	# 2 4.4	# 3 4.4	# 4 4.2	# 5 4.2	# 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 12.5		Amps 11.5		Ohms 1.08	
				1820'	

Remarks: Drilled 200; Driller Said DAMP AT 77 TO 103
WATER AT 160 OVER WEEK END- Drilled to 365
Water at 225 in 30 MIN. WATER AT 125 OVERNIGHT
Vent Perforated 225' - Slurry to Surface

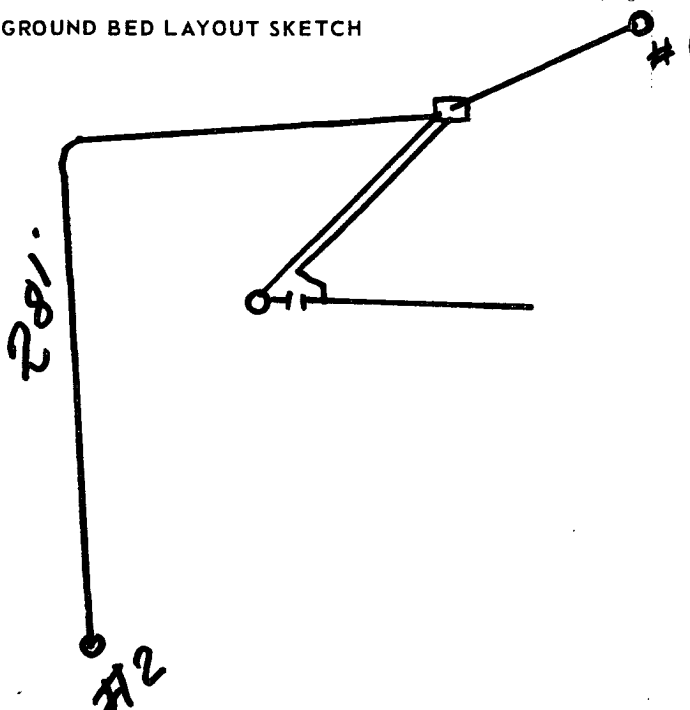
Math.

All Construction Completed

Aarels
(Signature)

(Signature)

GROUND BED LAYOUT SKETCH



N

SYNFUELS DIVISION

DAILY DRILL REPORT

Rig # 3991 Date 5-21-75 Shift _____Location _____ Hole No. 521

County and State _____

CORING		NONCORING		TIME RECORD
Run No.				
Size			<u>4 3/4" 6 3/4"</u>	
Make				
Ser. No.				
Ft. Drilled			<u>365.0</u>	
Hr. Run				

DEPTH			FORMATION
Rec.	From	To	
	0.0	3.0	SW
	3.0	18.0	Sandstone Tan
	18.0	22.0	Shale gray
	22.0	28.0	Sandstone gray
	28.0	40.0	Sandstone Tan
} plug with 4 3/4" Rock bit			
5-22-75	0.0	40.0	Reamed with ^{new} 6 3/4" Rock bit.
	40.0	55.0	SS gray to tan
	55.0	56.0	Shale gray
	56.0	62.0	Sandstone gray
	62.0	67.0	Shale gray
	67.0	83.0	Sandstone gray damp at 77.0 to 103.0
	83.0	90.0	Sh gray
	90.0	94.0	Sandstone
	94.0	96.0	Shale gray
	96.0	101.0	Sandstone gray
	101.0	103.0	Shale gray

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

SYNFUELS DIVISION

DAILY DRILL REPORT

Rig _____ Date _____ Shift _____

Location _____ Hole No. 52-4

County and State _____

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

DEPTH			FORMATION
Rec.	From	To	
	102.0	103.0	Sandstone gray
	103.0	109.0	Shale gray
	109.0	111.0	Sandstone gray
	111.0	113.0	Shale gray
	113.0	149.0	Sandstone gray
	149.0	151.0	Shale gray
	151.0	158.0	Sandstone
	158.0	158.0	Shale gray
	158.0	166.0	Sandstone gray
	166.0	168.0	Shale gray
	168.0	170.0	Sandstone
	170.0	172.0	Shale gray
	172.0	181.0	Sandstone gray
	181.0	200.0	Shale gray
5-27-75	0.0	200.0	Reamed water at 160.0
	215.0	218.0	Sandstone gray Shale gray
	218.0	223.0	Sh. gray Sandstone gray
MOVING TIME			NAME HRS. WORKED

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

SYNFUELS DIVISION

DAILY DRILL REPORT

Rig _____ Date _____ Shift _____

Location _____ Hole No. 52-6

County and State _____

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

DEPTH			FORMATION
Rec.	From	To	
	223.0	226.0	Shale gray
	226.0	232.0	Sandstone gray
	232.0	235.0	Shale gray
	235.0	247.0	Sandstone gray
	247.0	250.0	Shale gray
	250.0	264.0	Sandstone gray
	264.0	267.0	Shale gray
	267.0	283.0	Sandstone gray
	283.0	286.0	Shale gray
	286.0	290.0	Sandstone
	290.0	293.0	Shale gray
	293.0	295.0	Sandstone
	295.0	298.0	Shale gray
	298.0	312.0	Sandstone gray
	310.0	314.0	Shale
	314.0	351.0	S.S. gray
	351.0	352.0	Shale gray
	352.0	365.0	Sandstone gray

MOVING TIME 365.0 T.D.

NAME

HRS. WORKED

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

52W X = 4.0

5-27-75

MW		gal/mol
16	C ₁	6.4
30	C ₂	9.56
44	C ₃	10.42
58	IC ₄	12.38
72	NC ₄	14.93
86	IC ₅	13.85
100	NC ₅	13.71
114	IC ₆	15.50
128	NC ₆	15.51
142	IC ₇	17.2
156	NC ₇	17.46
170	IC ₈	19.38
184	NC ₈	19.64
200	IC ₉	21.67

MW		gal/mol
44	CO ₂	6.38
44	H ₂ O	9.72
28	N ₂	4.16
2	H ₂	3.38

150		330	1.1
60		40	1.1
70		44	TD.
80		50	
90		60	
200			
10			
20	1.3		
	1.6		
30	2.0		
	2.4		
40	2.4		
	2.2		
50	2.2		
	1.8		
60	1.4		
	1.4		
70	2.0		
	2.4		
80	2.6		
	2.4		
90	2.4		
	2.8		
300	2.6		
	2.2		
10	1.5		
	1.5		
20	1.5		
	1.3		

Drilled 200' - Driller
Said DAMP at 77 to 103
Water at 160 over
Week End.
Drilled to 365'
Water at 225' in 30 Min.

5-28-75
Water at 125'

Vent Perf. 225'

wt/ coke
~~305.2/2~~
~~295/2.6~~
~~285/2.4~~
~~275/2.4~~
~~265/2.4~~
5240

	wt	coke
1	305 - 2.4	3.5
2	295 - 2.6	4.4
3	285 - 2.4	4.4
4	275 - 2.4	4.2
5	240 - 2.6	4.2

12.5 V 11.5 A = 1.08 W