

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURIEARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

M E M O R A N D U M

TO: P. M. Wright
FROM: L. E. Orvin
SUBJECT: Thermal Power Report given verbally
by Joseph Iovenetti
DATE: July 15, 1986

Thermal Power Report # 38

7/14/86

Depth at 2400 hrs. 2466'
Cored 2368-2466 with 100% core recovery.

No fluid returns.

As of 600 hrs. on 7/15/86, the core barrell jammed in core rods at approx.
500' depth. Pulling out of hole.

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TO: P. M. Wright
FROM: L. E. Orvin
SUBJECT: Thermal Power Report given verbally
by Joseph Iovenetti
DATE: July 15, 1986

Thermal Power Report # 39

7/15/86

Depth at 2400 hrs. 2535' 5 hours tripping out of hole. Ran into hole to retrieve core at 2476.. Core barrell hung up inside tubing. Pull 17 stands out of hole. Layed down 1 joint of bad tubing. Ran into hole at 2476 and washed out bridge to 1776-1780 and 5' of fill on bottom.

Cored from 2466-2535, 69' with no mud returns and 100% core recovery.

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M E M O R A N D U M

TO: P. M. Wright
FROM: L. E. Orvin
SUBJECT: Thermal Power Report given verbally
by Joseph Iovenetti
DATE: July 17, 1986

Thermal Power Report # 40

WEDNESDAY, July 16, 1986

Depth at 2400 hours: 2594'

Record from 2535-2594 No mud returns, 100% core recovery.

Ran in hole wireline to retrieve core at 2584'. Core barrell stuck on way out at 2400'. Pulled wireline in two. Pulled tense bands. Retrieved core barrell. Layed down 1 bad joint of core tubing. Installed new wire lines. Ran hole tense bands to 2584'. Core 2594'.

0600 hrs. coring 2613'.

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M E M O R A N D U M

TO: P. M. Wright
FROM: Louise Orvin/Joseph Iovenetti
SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti
DATE: July 18, 1986

THERMAL POWER REPORT # 41

For the 17th of July:

At 2400 hours: 2708'
Cored from 2594' to 2708'.

No fluid returns. 100% core recovery.

0600 hrs. coring 2733'.

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M E M O R A N D U M

TO: P. M. Wright
FROM: Louise Orvin/Joseph Iovenetti
SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti (Jeff Hebein in Joe's absence)
DATE: July 23, 1986

THERMAL POWER REPORT # 46

For the 22th of July:

Total Rig Days: 46
At 2400 hours: 3173'
Time from spud : 45 plus 10 hours
Footage Drilled: 104'
Hours drilled: 24
Mud weight 8.4
Dicostity: 45
Deviation Survey: MRT at 3159' 124°F (3)
Bit: 6 Size: 3.937 Make: Christensen Type: NC
Serial No. 6S2460 In: 2336' Out: Incomplete Feet 837' Hours: 202.5
Weight: 1,000 RPM: 400
Pump-1
5-15 gal. per minute
PSI: 175

Remarks for 24 hour period: Water level at 80' Cored 3069' to 3173'.
No mud returns. 100% core recovery.

0600 hrs. Coring at 3189'

Daily Cost: \$6,918
Cumulative total: \$233,099

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TO: P. M. Wright
FROM: Louise Orvin/Joseph Iovenetti
SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti
DATE: July 28, 1986

THERMAL POWER REPORT # 51

For the 27th of July:

Depth at 2400 hours: 3641'

Report for 2400 hour period: Cored from 79' from 3562' to 3641'.

100% core recovery. No fluid returns.

As of 600 hrs. 28 July: Coring at 3661.

Daily: \$62,243

Cumulative: \$266,043

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TO: P. M. Wright
FROM: Louise Orvin/Joseph Iovenetti
SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti
DATE: August 1, 1986

THERMAL POWER REPORT # 53
For the 29th of July 1986:

Depth at 2400 hours: 3723'

Report for 2400 hour period: Cored only 2' from 3721-3723' with new core-head, Bit #7. Worked on BOP equipment.

As of 0600 hrs on the 30th of July: Coring at 3743'.

Daily: \$3,462
Cumulative: \$275,806

Daily Report No. #54:
Report on July 30, 1986

Total depth 3811' at 2400 hrs.
Cored 3723-3811'.
100 % core recovery. No fluid returns.
MRT meeting at 3763' 146°F.
Operation at 0600 hrs. on 31st of July: Coring at 3831'

Daily: \$6,101
Cumulative: \$281,907

Daily Report No. 55:
July 31, 1986

Depth at 2400 hour period: 3901'
Remarks for 2400 hr. period: Cored from 3811-3901'.
100% core recovery, no fluid returns.

As of 0600 hrs. coring on August 1, 1986 at 3921'
MRT reading at 3891' is 155°F.

Daily: \$6267
Cumulative: \$288,174

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TO: P. M. Wright
FROM: Louise Orvin/Joseph Iovenetti
SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 4, 1986

THERMAL POWER REPORT # 56

August 01, 1986

Depth at 2400 hours: 3982'
Report for 2400 hour period: cored 81' from 3901 to 3982' 100% core
recovery, no fluid returns.
Maximum Temperature Reported for Period: 3972' 162°F
Operation of 0600 hrs Coring at 4002'

Daily: \$6,360
Cumulative: \$294,534

Daily Report Number 57:

August 2, 1986

Depth at 2400 hours: 4062'
Report for 2400 hour period: Cored 80' from 3982'-4062' 100 % core recovery,
no fluid returns.
Maximum temperature reported for period: 4052' 167°F
Operations of 0600 hours: Coring at 4083'

Total: \$6,850
Cumulative: \$301,393

Daily Report No. #58

August 3, 1986

Depth at 2400 hours: 4143'
Report for 2400 hour period: Cored 81' from 4062-4143' 100 % core recovery.
No fluid returns.
Maximum Temperature Reported for Period: MRT at 4133-167°F
Operations of 0600 hours: Coring at 4163'

Daily: \$7,089
Cumulative: \$308,482

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M E M O R A N D U M

TO: P. M. Wright
Susan Prestwich (Telecopy)

FROM: Louise Orvin/Joseph Iovenetti

SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 5, 1986

THERMAL POWER REPORT # 59

August 04, 1986

Depth at 2400 hours: 4203'
Report for 2400 hour period: cored 60' from 4143 to 4203' 100% core
recovery, no fluid returns Sudden failure of Hx core rods while coring at
4203'. Core rod string weight suggest break at 1,000 to 1200'. MRT reading
at 4173' 171°F.
Operation of 0600 hrs Waiting on NX rods for fishing run with spear.

Daily: \$5,667
Cumulative: \$314,149

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M E M O R A N D U M

TO: P. M. Wright
Susan Prestwich (Telecopy)

FROM: Louise Orvin/Joseph Iovenetti

SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 6, 1986

THERMAL POWER REPORT # 60

August 05, 1986

Depth at 2400 hours: 4203'

Report for 2400 hour period:

Waiting on NX core rods and fishing spear.

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M E M O R A N D U M

TO: P. M. Wright
Susan Prestwich (Telecopy)

FROM: Louise Orvin/Joseph Iovenetti

SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 7, 1986

THERMAL POWER REPORT # 61

August 06, 1986

Depth at 2400 hours: 4203'

Report for 2400 hour period:

Waiting on a report on the mechanical conditions of the hole based on the NX core rods into th hole.

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M E M O R A N D U M

TO: P. M. Wright
Susan Prestwich (Telecopy)

FROM: Louise Orvin/Joseph Iovenetti

SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 8, 1986

THERMAL POWER REPORT # 62

August 07, 1986

Depth at 2400 hours: 4203'

Report for 2400 hour period:

Running hole with NX rods; found break at 823' at a connection. Pulled out of hole. Picked up latching assembling.

Operation 0600 hr.: Running in hole at 2500' with NX rods and latching assembly.

Daily Cost: \$2,680
Cumulative: \$319,489

Daily Report No. 65

August 10, 1986

2400 hour: 4226'

Remarks: Milled out HX diamond core head with NX diamond core head and cored to 4226'. Recovery: 100% core. Full returns. Pulled out of hole to replace one bit. Bottom hole temperature at 4216': 177°-180°F.

Operation at 0600: Ran in hole with new NX diamond core head, new core barrel and coring.

Daily: \$4,487

Cumulative: \$330,836

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M E M O R A N D U M

TO: P. M. Wright
Susan Prestwich (Telecopy)

FROM: Louise Orvin/Joseph Iovenetti

SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 11, 1986

THERMAL POWER REPORT # 63

August 08, 1986

Depth at 2400 hours: 4203'

Report for 2400 hour period: Ran latching assembly on NCC rods to top of core barrell at 4193'. Questionable latching. Pulled out of hole no core barrell. Examined the latch assembly suspect relief of core barrell at 823'.

Operation 0600 hr.: Rig shut down latching assembly in machine shop for modification.

Daily: \$4,180
Cumulative: \$323,669

Daily Report No. 64

August 9, 1986

Depth at 2400' 4203'

Remarks: Start of rig up at noon. Ran in hole with new latch assembly. Core barrell found at 4193'. Latch to core barrell pulled out of hole slowly, core barrell recovered.

0600: Running in hole with new NX core head.

Daily: \$2,680
Cumulative: \$326,349

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TO: P. M. Wright
Susan Prestwich (Telecopy)

FROM: Louise Orvin/Joseph Iovenetti

SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 13, 1986

THERMAL POWER REPORT # 67

August 12, 1986

Depth at 2400 hours: 4371'

Report for 2400 hour period: During past 24 hours cored 92', from 4279' to 4371'. 100% core recovery. No fluid returns.

Operation 0600 hr. on August 13, drilling Nx at 4390' MRT reading at 4383' = 182°F.

Daily: \$2,550
Cumulative: \$343,311

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M E M O R A N D U M

TO: P. M. Wright
Susan Prestwich (Telecopy)

FROM: Louise Orvin/Joseph Iovenetti

SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 14, 1986

THERMAL POWER REPORT # 68

August 13, 1986

Depth at 2400 hours: 4450'

Report for 2400 hour period: Cored from 4371-4450'. 100% core recovery. No fluid returns.

Picked up torque at 4405-4407'. Attempt to improve mud system. Worked BOPE, (blow out prevention equipment).

Operation 0600 hr.: Coring at 4470'. Temperature at 4470' - 183°F.

Daily: \$9,095
Cumulative: \$352,406

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TO: P. M. Wright
Susan Prestwich (Telecopy)

FROM: Louise Orvin/Joseph Iovenetti

SUBJECT: Thermal Power Report given
verbally by Joseph Iovenetti

DATE: August 15, 1986

THERMAL POWER REPORT # 69

August 14, 1986

Depth at 2400 hours: 4430'

Report for 2400 hour period: Cored 80' from 4450-4530' 100% core recovery.
No fluid returns.

Squirrel creek water supply continues at an adequate field; enough to keep 500 barrel breaker tank full and to meet daily requirements. Forest Service visits drill site every two or three days to ensure water supply status and fire compliance.

Operation 0600 hr.: (On following day) Coring at 4550'. MRT Reading at 4550' - 182°F.

Daily: \$6,700
Cumulative: \$359,106