

WATER WELL RECORD (WWC-5)

KOLAR DOC ID _____ WELL ID _____
 Original Record Correction Change in Well Use

LOCATION OF WATER WELL

Latitude		Longitude		Section		Township		Range		E W	Fraction		¼		¼		¼
Datum		Elevation		County													

WATER WELL OWNER

Name	
Business	
Address	
Well location	
at owner's address	

WELL WATER USE

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COMPLETION

Depth of completed well: _____ ft.
Depth(s) groundwater encountered:
(1) _____ ft.; (2) _____ ft.;
(3) _____ ft.; (4) dry well
Static water level in well: _____ ft.
measured below land surface
on (mm/dd/yy): _____
measured above land surface
on (mm/dd/yy): _____
Estimated yield: _____ gpm
Water level was: _____ ft. after _____ hours
pumping _____ gpm
Pump installed? Yes No
Water well disinfected? Yes No
Date disinfected (mm/dd/yy): _____
Aquifer, if known:

NEAREST SOURCE OF POTENTIAL CONTAMINATION

Source: _____
Distance from well: _____ Direction from well: _____
Source description: _____
Source: _____
Distance from well: _____ Direction from well: _____
Source description: _____
No potential source of contamination within 100 feet.

CONSTRUCTION

Borehole interval:	Borehole diameter:
from _____ to _____ ft.	_____ in.
from _____ to _____ ft.	_____ in.
Casing height above land surface: _____ in.	
If casing height is less than 12 in. has a variance been approved?*	
Yes No	
*variance not required for monitoring or environmental remediation wells	
Casing type: _____	
Blank casing interval: _____ ft. to _____ ft.	
Blank casing diameter: _____ in.	
Casing joints: _____	
Weight: _____ lbs/ft.	
Wall thickness or gauge no.: _____	
Blank casing interval: _____ ft. to _____ ft.	
Blank casing diameter: _____ in.	
Casing joints: _____	
Weight: _____ lbs/ft.	
Wall thickness or gauge no.: _____	
Grout interval: _____ ft. to _____ ft.	
Grout material: _____	
Grout interval: _____ ft. to _____ ft.	
Grout material: _____	
Screen / perforation material: _____	
Screen / perforation openings: _____	
Screen / perforation intervals:	
From _____ ft. to _____ ft.	
Slot size _____ unit _____	
From _____ ft. to _____ ft.	
Slot size _____ unit _____	
Gravel pack intervals:	
Gravel pack not used: Gravel size _____ in	
From _____ ft. to _____ ft.	
Gravel pack not used: Gravel size _____ in	
From _____ ft. to _____ ft.	

PERMIT & ID NUMBERS (AS REQUIRED)

DWR Application No.: _____
KDHE / EPA Project Code: _____
Site Name: _____
KDHE UIC Class V Form Completed: Yes No
County Permit: Yes No Permit ID: _____
Lease Name & Well #: _____
of boreholes: _____ # of dewatering wells: _____

LITHOLOGIC LOG

FROM	TO	LITHOLOGY INTERVALS

COMMENTS

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CONTRACTOR'S OR LANDOWNERS CERTIFICATION

This water well was constructed reconstructed pursuant to the stated water well contractor's license and was completed on _____. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on _____ under the business name of _____, Kansas Water Well Contractor's License No. _____ under the authority of the designated person as defined in K.A.R. 28-30-2(j) and signed and certified by the electronic signature of the designated person at its submittal: _____.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.



Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Celsius Geothermal Well LTC-T1
API:
Location: Lawrence, KS
License Number: Region: Midwest
Spud Date: 8/2/2022 Drilling Completed:
Surface Coordinates:
Bottom Hole
Coordinates:
Ground Elevation (ft): K.B. Elevation (ft): 797
Logged Interval (ft): To: Total Depth (ft):
Formation: Kansas City Group
Type of Drilling Fluid: Water

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

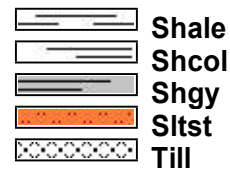
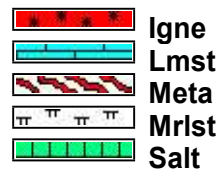
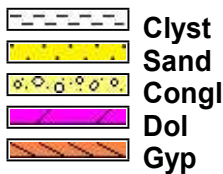
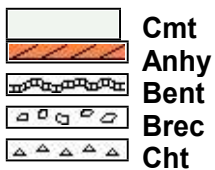
Company: Celsius Ehergy
Address: 1 Hampshire St
Cambridge, MS 02139

GEOLOGIST

Name: Chuck Shepherd
Company: Edge Systems
Address:

Wireline Logs

ROCK TYPES



ACCESSORIES

- MINERAL**
- Anhy
 - Arggrn
 - Arg
 - Bent
 - Bit
 - Brecfrag
 - Calc
 - Carb
 - Chtdk
 - Chtlt
 - Dol
 - Feldspar
 - Ferrpel
 - Ferr
 - Glau
 - Gyp
 - Hvymin
 - Kaol
 - Marl

- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

- FOSSIL**
- Algae
 - Amph
 - Belm
 - Bioclst
 - Brach
 - Bryozoa
 - Cephal
 - Coral

- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

- TEXTURE**
- Boundst
 - Chalky
 - Cryxln
 - Earthy
 - Finexln
 - Grainst
 - Lithogr
 - Microxln
 - Mudst
 - Packst
 - Wackest

- STRINGER**
- Anhy
 - Arg
 - Bent
 - Coal
 - Dol

OTHER SYMBOLS

- INTERVALS**
- Core
 - Dst

- EVENTS**
- Rft
 - Casing

- POROSITY TYPE**
- Earthy
 - Fenest
 - Fracture
 - Inter
 - Moldic
 - Organic
 - Pinpoint
 - Vuggy

- SORTING**
- Well
 - Moderate
 - Poor

- ROUNDING**
- Rounded
 - Subrnd
 - Subang

- Angular

- OIL SHOWS**
- Even
 - Spotted
 - Ques
 - Dead

Engineering Data			MD	TVD	% Lithology	Connection	Geologic Descriptions	Log Pictures
ROP (FT/HR)	Gamma (API)	WOB (Klbs)						
1500	0	0						
0	150	60						
Edge Systems								
One Man Logging								
Beginning 8/2/2022								
No Engineering Data Available								

SD: LT-CRM, OCC
 WH, MED-CRS, VP SRT,
 ANG, SBANG, UNCONS,
 FOSS FRAG, NO CMT, TR
 CHT

TOP OREAD LS FM
ESTIMATED @ ~60' MD

ESTIMATED TOP OF
THE LAWRENCE
GROUP, IRELAND
SANDSTONE 160' MD

NO SAMPLE AVAILABLE
@ 170' MD

1500	ROP (FT/HR)	0
0	Gamma (API)	150
0	WOB (Klbs)	60

50
100
150
200
250
TVD



SH: GY-DK GY, V SFT,
BLKY-SBBLKY, V CALC,
TR CHT

SH: GY-DK GY, SFT-FRM,
BLKY-SBBLKY, BRIT IP,
V CALC

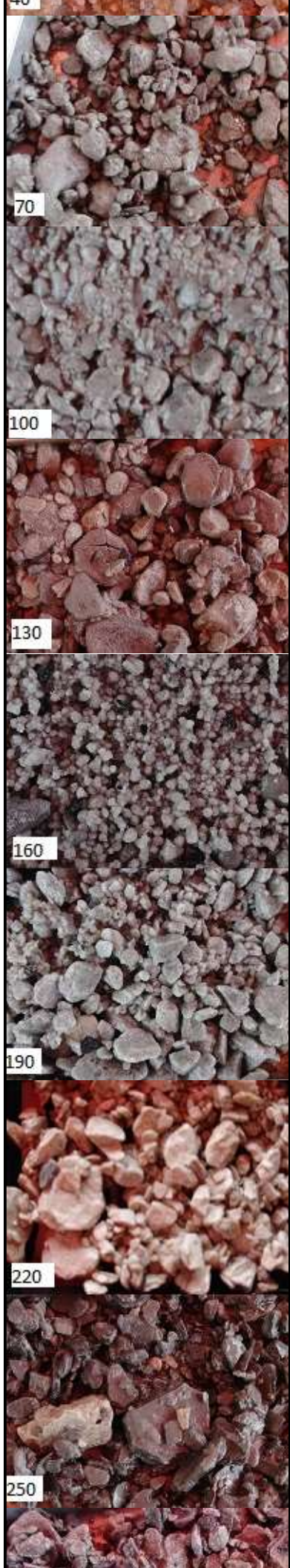
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BRN, MDST,
MXLN-CRSXLN, MASS, V
ARG, FOSS FRAG

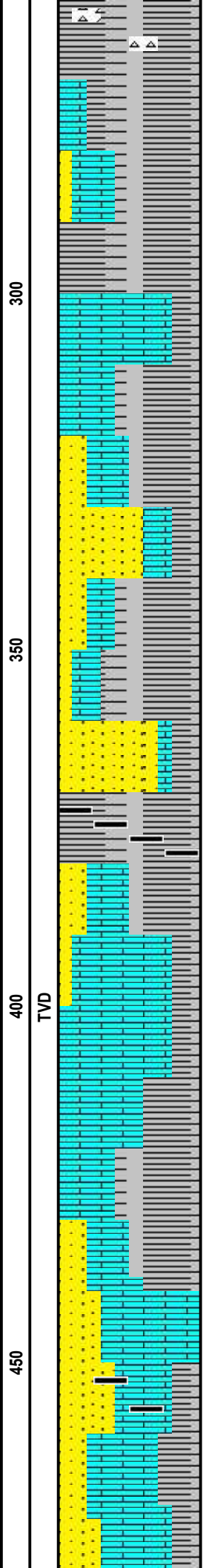
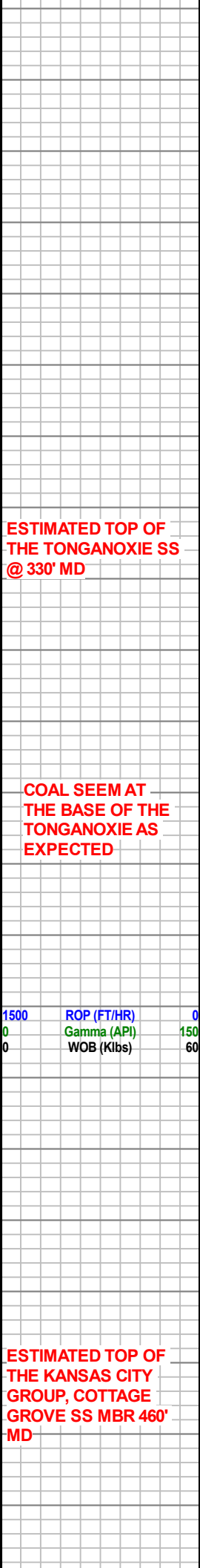
SD: LT-CRM, OCC WH,
MED-CRS, VP SRT, ANG,
SBANG, UNCONS, FOSS
FRAG, NO CMT

LS: GY-DK GY, OCC DR
BRN, MDST,
MXLN-CRSXLN, MASS, V
ARG, FOSS FRAG

LS: GY-DK GY, OCC LT
GY, MDST,
MXLN-CRSXLN, MASS, V
ARG, FOSS FRAG

SH: GY-DK GY, OCC BLK,
FRM-HD, BLKY-SBBLKY,
BRIT IP, V CALC





SH: LT GY-DK GY, OCC
BLK, FRM-HD, BLKY-
SBBLKY, BRIT IP, V CALC

280



LS: LT TN-TN, OCC LT
GY, MDST, MXLN-
CRSXLN, MASS, SLI ARG

310

SD: GY-DK GY, MED-CRS,
VP SRT, ANG, SBANG,
UNCONS, FOSS FRAG,
NO CMT

340

SD: GY-DK GY, OCC LT
GY, MED-CRS, VP SRT,
ANG, SBANG, UNCONS,
NO CMT

370

LS: LT TN-TN, OCC LT
GY, MDST, MXLN-
CRSXLN, MASS, SLI ARG

400

SH: LT GY-DK GY, OCC
BLK, FRM-HD, BLKY-
SBBLKY, BRIT IP, V CALC

430

SD: GY-DK GY, MED-CRS,
VP SRT, ANG, SBANG,
UNCONS, TR COAL, NO
CMT

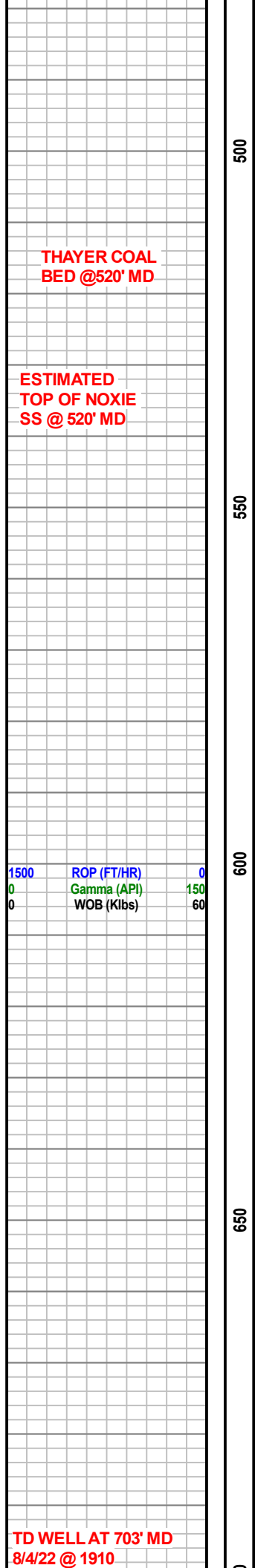
460

SD: GY-DK GY, MED-CRS,
VP SRT, ANG

ESTIMATED TOP OF
THE TONGANOXIE SS
@ 330' MD

COAL SEEM AT
THE BASE OF THE
TONGANOXIE AS
EXPECTED

ESTIMATED TOP OF
THE KANSAS CITY
GROUP, COTTAGE
GROVE SS MBR 460'
MD



THAYER COAL
BED @ 520' MD

ESTIMATED
TOP OF NOXIE
SS @ 520' MD

1500 ROP (FT/HR) 0
0 Gamma (API) 150
0 WOB (Klbs) 60

TD WELL AT 703' MD
8/4/22 @ 1910

500

550

600

650

TVD

P-MOD SRT, ANG-
SBANG, UNCONS, TR
COAL, NO CMT

SH: LT GY-DK GY, OCC
BLK, FRM-HD, BLKY-
SBBLKY, BRIT IP, V
CALC, HVY COAL

LS: LT GY-GY, OCC DK
GY, MDST, MXLN-
CRSXLN, MASS, V ARG

LS: LT GY-GY, OCC DK
GY, MDST, MXLN-
CRSXLN, MASS, V ARG

LS: LT GY-GY, OCC DK
GY, MDST, MXLN-
CRSXLN, MASS, V ARG,

SH: LT GY-DK GY, OCC
BLK, FRM-HD, BLKY-
SBBLKY, BRIT IP, V CALC

SH: LT GY-DK GY, OCC
BLK, FRM-HD, BLKY-
SBBLKY, BRIT IP, V CALC

SH: LT GY-DK GY, OCC
BLK, FRM-HD, BLKY-
SBBLKY, BRIT IP, V CALC

490

520

550

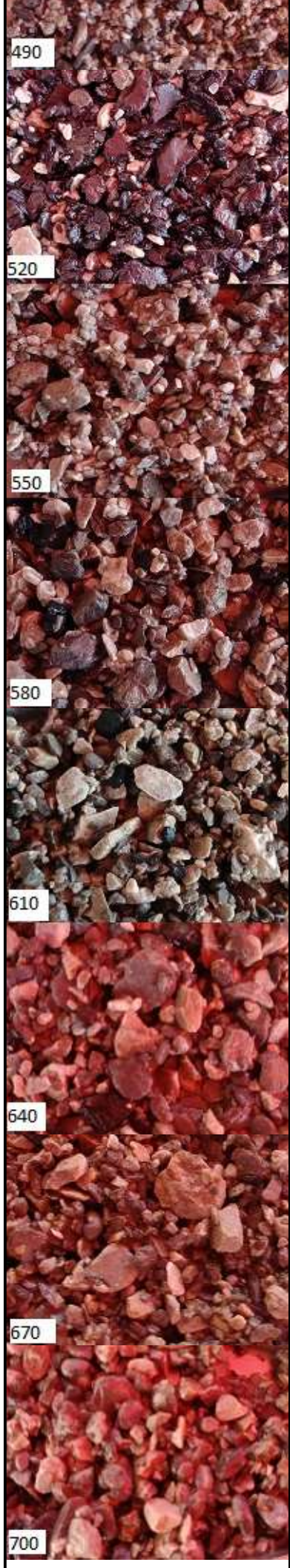
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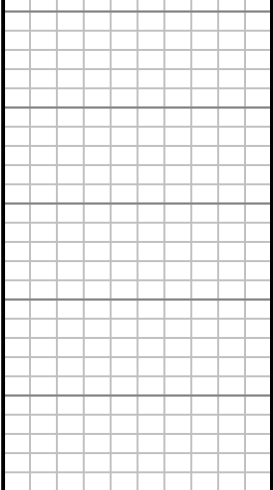
610

640

670

700





50

700

