Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1250086

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34344
Name: Culbreath Oil & Gas Company, Inc.
Address 1: 3501 S YALE AVE
Address 2:
City: TULSA State: OK Zip: 74135 + 8014
Contact Person: Kevin Howard
Phone: (918) 749-3508
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Steve Murphy
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

03/05/2015	03/14/2015	03/15/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-153-21115-00-00
Spot Description:
SE - SW - NE - NW Sec. 33 Twp. 4 S. R. 35 ☐ East ☑ West
1050 Feet from ☑ North / ☐ South Line of Section
1780 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Rawlins
Lease Name: Dewey Trust Well #: 1-33 "B"
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 3141 Kelly Bushing: 3146
Total Vertical Depth: 4800 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 301 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 4000 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 04/24/2015

1250086

Operator Name: Culbreath Oil & Gas Company, Inc. Lease Name: Dewey Trust Well #: 1-33 "B"

Sec. 33 Twp. 4 S. R. 35 ☐ East ☑ West County: Rawlins

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

CND
DIL
Micro

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.6252	23	301	Common	250	3% cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Dewey Trust 1-33 "B"
Doc ID	1250086

Tops

Name	Top	Datum
Anhydrite	2843	+302
Base	2888	+257
Heebner	4003	-858
Lansing	4049	-904
BKC	4292	+1147
Pawnee	4416	-1271
Cheroke	4489	-1344
Mississippi	4710	-1565

DRILL STEM TEST REPORT

Culbreath oil & Gas CO INC

3501 S Yale AVE
Tulsa OK 74135

ATTN: Anthony Luna

33 4 35 Rawlins KS

Dewey Trust 1-33 "B"

Job Ticket: 60822 **DST#: 1**

Test Start: 2015.03.11 @ 11:15:00

GENERAL INFORMATION:

Formation: **LKC "H"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:26:00
Time Test Ended: 17:33:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Robert Zodrow
Unit No: 66

Interval: 4176.00 ft (KB) To 4204.00 ft (KB) (TVD)
Total Depth: 4204.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

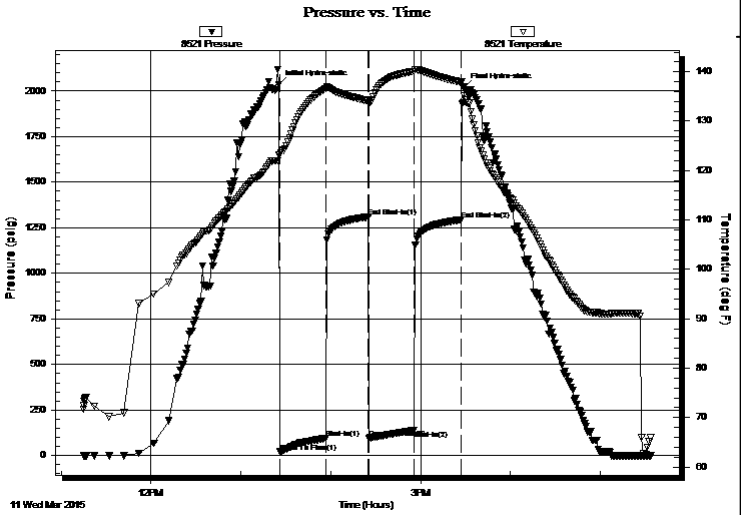
Reference Elevations: 3145.00 ft (KB)
3140.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8521 **Outside**

Press@RunDepth: 138.68 psig @ 4177.00 ft (KB)
Start Date: 2015.03.11 End Date: 2015.03.11
Start Time: 11:15:05 End Time: 17:33:29

Capacity: 8000.00 psig
Last Calib.: 2015.03.11
Time On Btm: 2015.03.11 @ 13:25:30
Time Off Btm: 2015.03.11 @ 15:29:00

TEST COMMENT: 30-IF- Surge Blow Dead
30-ISI- No Return
30-FF- No Blow
30-FSI- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2036.82	123.23	Initial Hydro-static
1	20.54	123.19	Open To Flow (1)
31	94.76	136.60	Shut-In(1)
60	1309.09	134.08	End Shut-In(1)
60	96.80	133.60	Open To Flow (2)
90	138.68	140.09	Shut-In(2)
122	1293.60	137.88	End Shut-In(2)
124	2020.84	135.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MW 25%M 75%W	2.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath oil & Gas CO INC

3501 S Yale AVE
Tulsa OK 74135

ATTN: Anthony Luna

33 4 35 Rawlins KS

Dewey Trust 1-33 "B"

Job Ticket: 60822 **DST#: 1**

Test Start: 2015.03.11 @ 11:15:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	30000 ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	MW 25%M 75%W	2.335

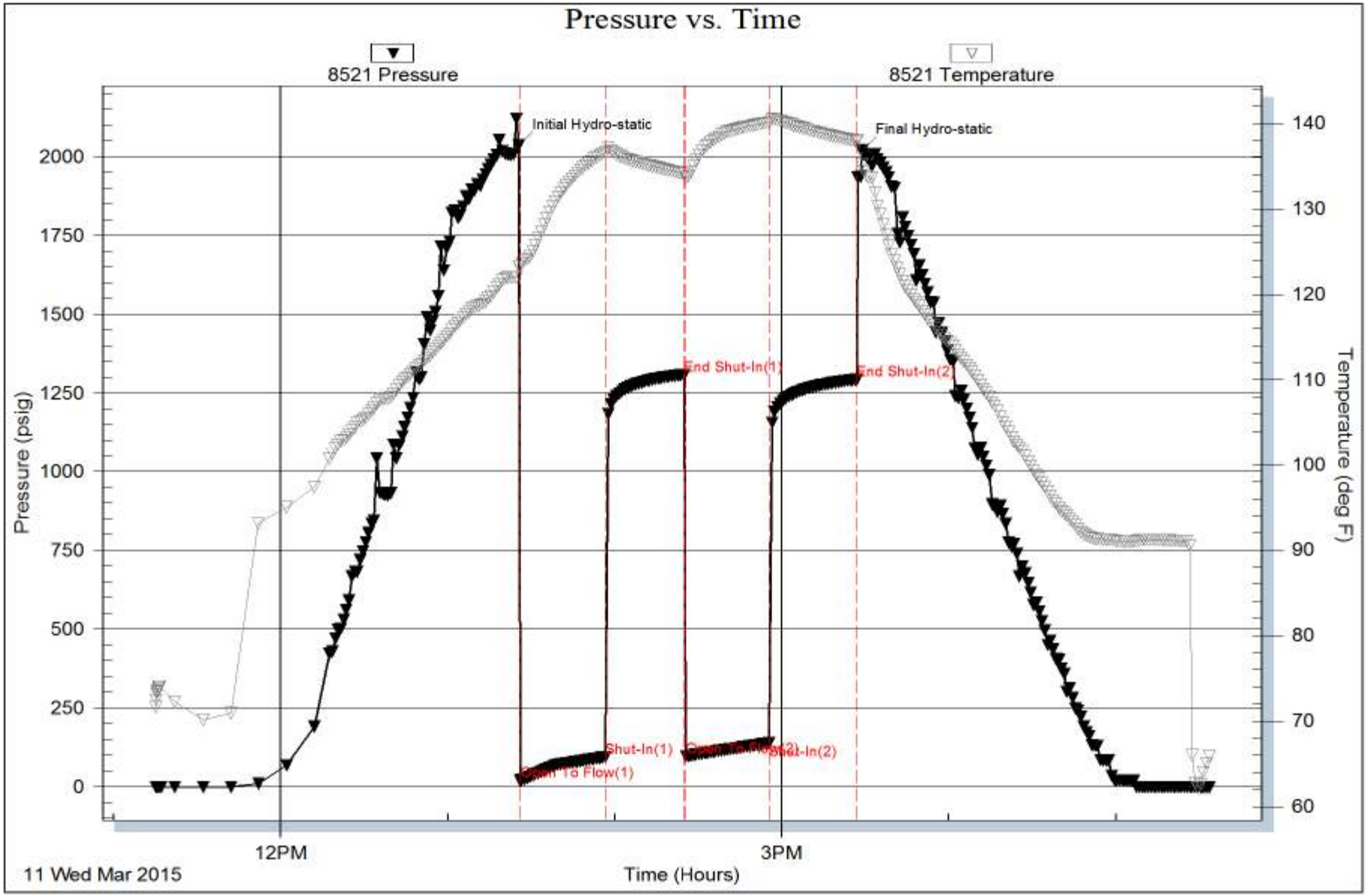
Total Length: 240.00 ft Total Volume: 2.335 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .213 @ 81 Deg F = 30000

Serial #: 8521 **Outside** Culbreath oil & Gas CO INC Dew ey Trust 1-33 "B" DST Test Number: 1



Trilobite Testing, Inc Ref. No: 60822 Printed: 2015.03.11 @ 21:15:28

DRILL STEM TEST REPORT

Culbreath oil & Gas CO INC

3501 S Yale AVE
Tulsa OK 74135

ATTN: Anthony Luna

33 4 35 Rawlins KS

Dewey Trust 1-33 "B"

Job Ticket: 60823 **DST#: 2**

Test Start: 2015.03.13 @ 15:45:00

GENERAL INFORMATION:

Formation: **Cherokee Lime**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:08:00
Time Test Ended: 22:08:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Robert Zodrow
Unit No: 66

Interval: 4484.00 ft (KB) To 4514.00 ft (KB) (TVD)
Total Depth: 4514.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

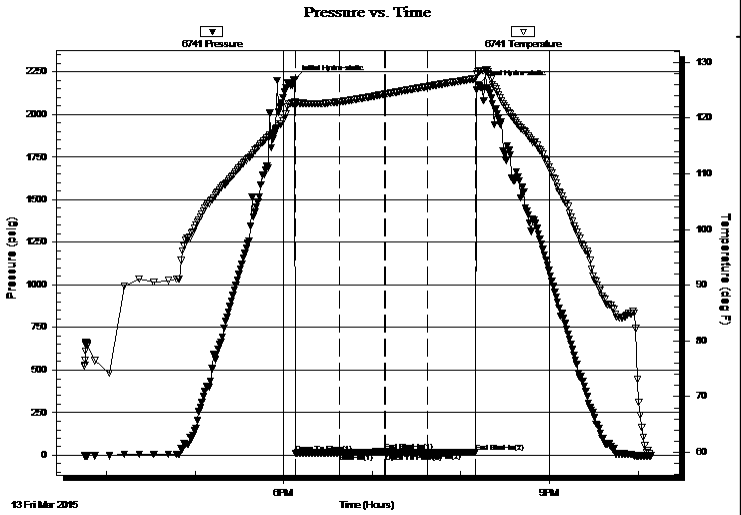
Reference Elevations: 3145.00 ft (KB)
3140.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 15.06 psig @ 4485.00 ft (KB)
Start Date: 2015.03.13 End Date: 2015.03.13
Start Time: 15:45:05 End Time: 22:08:29

Capacity: 8000.00 psig
Last Calib.: 2015.03.13
Time On Btm: 2015.03.13 @ 18:07:30
Time Off Btm: 2015.03.13 @ 20:11:30

TEST COMMENT: 30-IF- Blow built to 1/8" died back to surface
30-ISI- No return
30-FF- No blow
30-FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.65	122.88	Initial Hydro-static
1	13.20	122.20	Open To Flow (1)
31	14.75	122.90	Shut-In(1)
61	21.79	124.27	End Shut-In(1)
62	13.66	124.29	Open To Flow (2)
90	15.06	125.64	Shut-In(2)
122	19.09	127.03	End Shut-In(2)
124	2177.32	128.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD 100%M	0.02

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath oil & Gas CO INC

3501 S Yale AVE
Tulsa OK 74135

ATTN: Anthony Luna

33 4 35 Rawlins KS

Dewey Trust 1-33 "B"

Job Ticket: 60823 **DST#: 2**

Test Start: 2015.03.13 @ 15:45:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

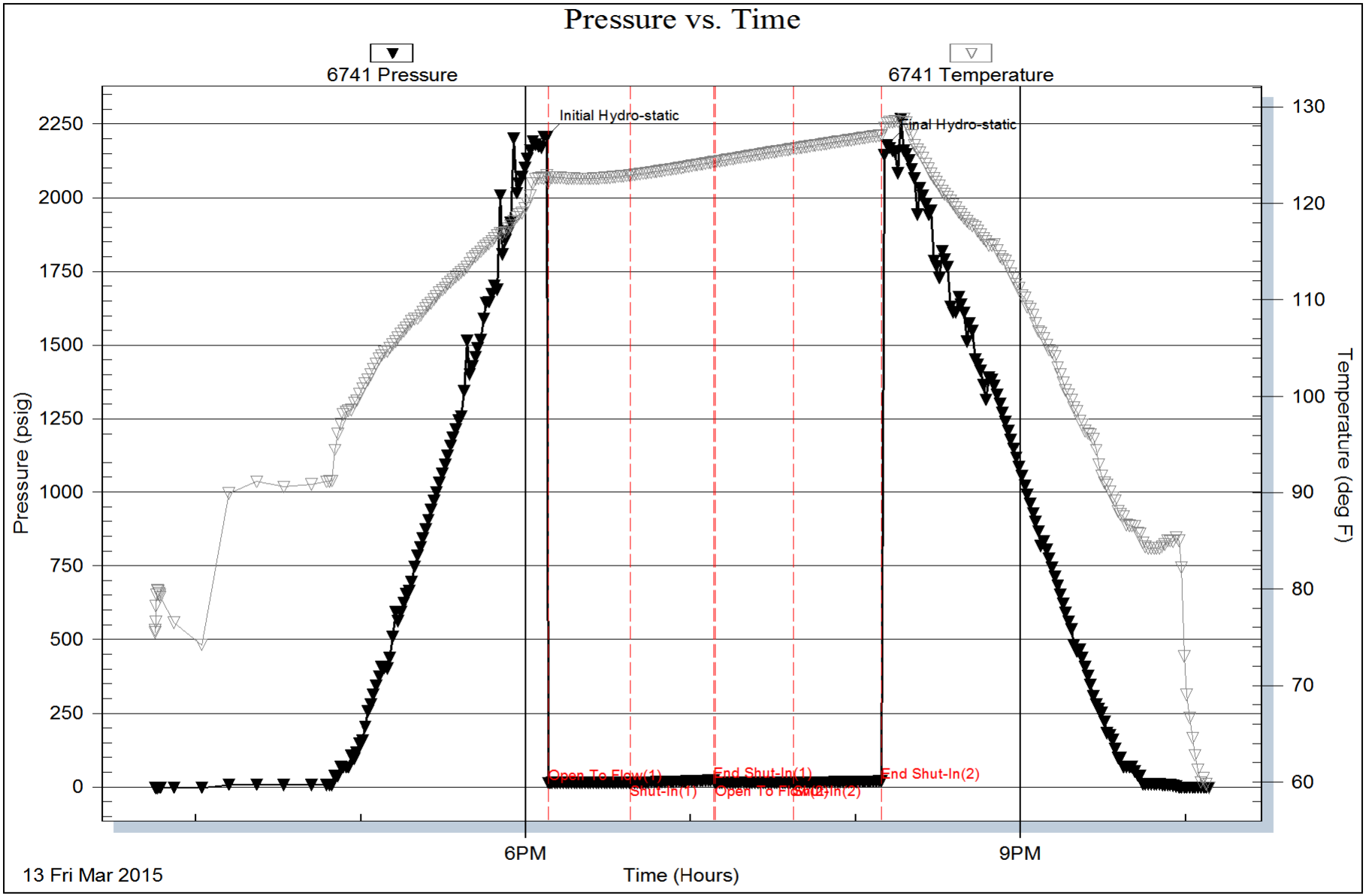
Recovery Table

Length ft	Description	Volume bbl
5.00	MUD 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6741 **Inside** Culbreath oil & Gas CO INC Dew ey Trust 1-33 "B" DST Test Number: 2



Trilobite Testing, Inc Ref. No: 60823 Printed: 2015.03.13 @ 22:50:33

STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

RR#1, Box 69
Otis, Kansas 67565
geomurphy@gbta.net

Cell 620.639.3030
Fax 785.387.2400

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

Well Name:	**Dewey Trust #1-33 "B"**
API:	**15-153-21115-00-00**
Location:	**Logan County**
License Number:	**34344**
Region:	**Kansas**
Spud Date:	**3/5/15**
Drilling Completed:	**3/15/15**
Surface Coordinates:	**1050' FNL & 1780' FWL**
	Section 33-T4S-R35W
Bottom Hole Coordinates:	**Vertical Well w/ minimal deviation**
Ground Elevation (ft):	**3140'**
K.B. Elevation (ft):	**3145'**
Logged Interval (ft):	**3600'** **To: TD**
Total Depth (ft):	**LTD - 4797'**
Formation:	**Topeka through Mississippian**
Type of Drilling Fluid:	**Chemical - KDT**

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

OPERATOR

Company:	**Culbreath Oil & Gas**
Address:	**3501 South Yale Ave**
	Tulsa, OK 74135

GEOLOGIST

Name:	**Steven P. Murphy, PG (KS License #228) & Anthony Luna**
Company:	**Consulting Petroleum Geologist**
Address:	**3365 CR 390**
	Otis, KS 67565

REMARKS

LOG TOPS (with associated datums):

Anhydrite Top - 2843 (+302)
Anhydrite Base - 2888 (+257)
Topeka - 3828 (-683)
Heebner - 4003 (-858)
Lansing - 4049 (-904)
Muncie Crk - 4164 (-1019)
Stark - 4241 (-1096)
Hushpuckney -4272 (-1127)
Base KC - 4292 (-1147)
Marmaton - 4330 (-1185)
Pawnee - 4416 (-1271)
Myrick Station - 4439 (-1294)
Fort Scott - 4473 (-1328)
Cherokee - 4489 (-1344)
Mississippian - 4710 (-1565)

DSTs

Drillstem testing performed by Trilobite Testing (Oberlin Office)

DST #14176-4204 (LKC "H")
30:30:30:30
IF: Surge blow dead, no return
FF: no blow, no return
Recovery: 240' MW (75%W, 25%M)
IHP: 2037 FHP: 2020
IFP: 20-97 ISIP: 1309
FFP: 95-138 FSIP: 1293
BHT - 138 F
Chlorides - 30,000 ppm

DST #2 4484-4514 (Cherokee LS)
30:30:30:30
IF: Built to 1/8in, no return
FF: no blow, no return
Recovery: 5' Mud
IHP: 2206 FHP: 2177
IFP: 13-13 ISIP: 22
FFP: 15-15 FSIP: 19
BHT - 127 F

COMMENTS

Based on the results of drillstem testing, and log & sample analysis this well was determined non-commercial and should be plugged & abandoned.

ROCK TYPES

LITHOLOGY

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Sltstn
- Shale
- Sandylms
- Lms
- Gry sh
- Dtd
- Dol
- Carb sh
- pipesymbol
- unknown lith
- Red shale

FOSSIL

- Oomoldic
- Fuss
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL

- Slty
- Sand
- Dol
- Chlorite
- 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

STRINGER

- Red shale
- Sh
- Sandylms
- Lms
- Grysltt
- Grysh
- Dol
- Clystn
- Carbsh
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

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

OIL SHOW

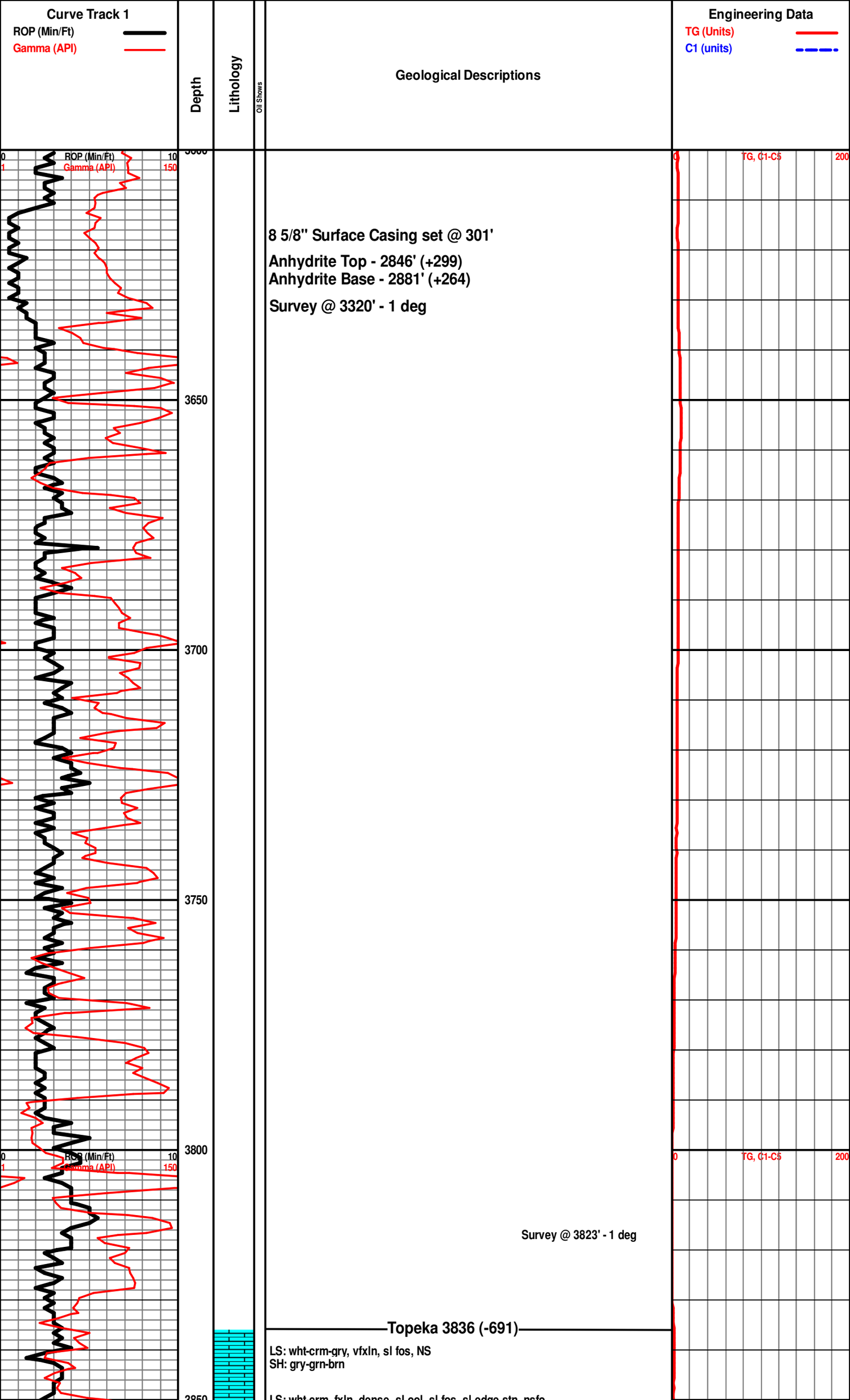
- Gas show
- Good
- Fair
- Poor
- Dead

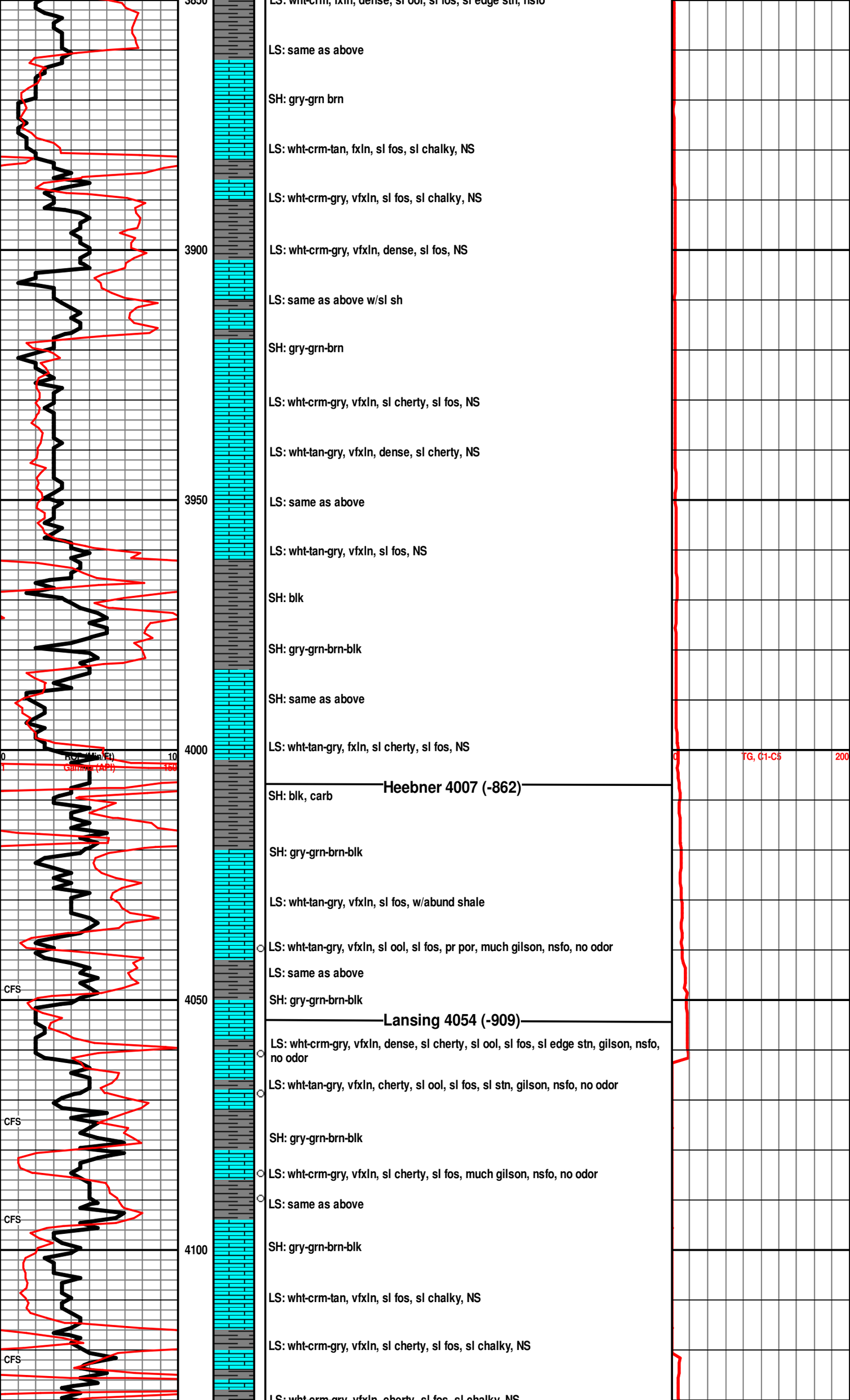
INTERVAL

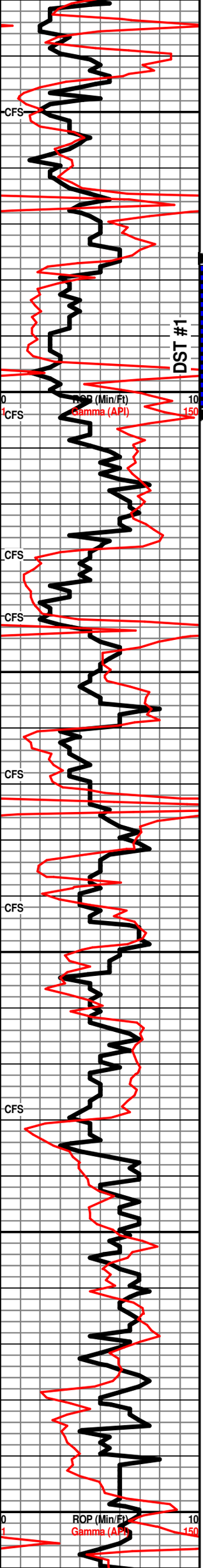
- Dst
- Core
- Dst
- Straddle test tail pip

EVENT

- Rft
- Sidewall
- Dst
- Open hole
- Perforations


Curve Track 1
ROP (Min/Ft)
Gamma (API)
Depth
Lithology
Oil Shows
Geological Descriptions
Engineering Data
TG (Units)
C1 (units)
ROP (Min/Ft)
Gamma (API)
TG, C1-C5
8 5/8" Surface Casing set @ 301'
Anhydrite Top - 2846' (+299)
Anhydrite Base - 2881' (+264)
Survey @ 3320' - 1 deg
3650
3700
3750
3800
Survey @ 3823' - 1 deg
Topeka 3836 (-691)
LS: wht-crm-gry, vfxln, sl fos, NS
SH: gry-grn-brn


3850
LS: wht-crm, fxln, dense, sl ool, sl fos, sl edge stn, nsfo
LS: same as above
SH: gry-grn brn
LS: wht-crm-tan, fxln, sl fos, sl chalky, NS
LS: wht-crm-gry, vfxln, sl fos, sl chalky, NS
3900
LS: wht-crm-gry, vfxln, dense, sl fos, NS
LS: same as above w/sl sh
SH: gry-grn-brn
LS: wht-crm-gry, vfxln, sl cherty, sl fos, NS
LS: wht-tan-gry, vfxln, dense, sl cherty, NS
3950
LS: same as above
LS: wht-tan-gry, vfxln, sl fos, NS
SH: blk
SH: gry-grn-brn-blk
SH: same as above
LS: wht-tan-gry, fxln, sl cherty, sl fos, NS
4000
0
ROP (Min/Ft)
10
1
Gamma (API)
350
0
TG, C1-C5
200
Heebner 4007 (-862)
SH: blk, carb
SH: gry-grn-brn-blk
LS: wht-tan-gry, vfxln, sl fos, w/abund shale
LS: wht-tan-gry, vfxln, sl ool, sl fos, pr por, much gilson, nsfo, no odor
LS: same as above
CFS
4050
SH: gry-grn-brn-blk
Lansing 4054 (-909)
LS: wht-crm-gry, vfxln, dense, sl cherty, sl ool, sl fos, sl edge stn, gilson, nsfo, no odor
LS: wht-tan-gry, vfxln, cherty, sl ool, sl fos, sl stn, gilson, nsfo, no odor
CFS
SH: gry-grn-brn-blk
LS: wht-crm-gry, vfxln, sl cherty, sl fos, much gilson, nsfo, no odor
LS: same as above
CFS
4100
SH: gry-grn-brn-blk
LS: wht-crm-tan, vfxln, sl fos, sl chalky, NS
LS: wht-crm-gry, vfxln, sl cherty, sl fos, sl chalky, NS
CFS
LS: wht-crm-gry, vfxln, cherty, sl fos, sl chalky, NS



LS: wht-crm-gry, vfxln, cherty, sl fos, sl chalky, NS

LS: same as above w/sl shale

LS: wht-crm-tan, vfxln, sl fos, NS

LS: wht-crm-gry, vfxln, sl cherty, sl fos, NS

Muncie Creek 4166 (-1021)

SH: gry-grn-brn-blk

LS: wht-crm-gry, vfxln, tight, pr pn pt por, tr fo: no blow, no return on brk, no odor

LS: wht-crm-gry, vfxln, tight, sl ool, pr pn pt por, vssfo, no odor

SH: gry-grn-brn-blk

DST #1 4176-4204 (LKC "H")
30:30:30:30
IF: Surge blow dead, no return
Recovery: 240' MW (75%W, 25%M)
IHP: 2037 FHP: 2020
IFP: 20-97 ISIP: 1309
FFP: 95-138 FSIP: 1293
BHT - 138 F
Chlorides - 30,000 ppm

Strap Pipe - 1.87 long
Survey @ 4204' - 1 deg

SH: same as above (wash red)

SH: same as above

SH: gry-grn-brn-blk w/few LS

LS: wht-crm-gry, vfxln, sl fos, sl chalky, NS

Stark 4238 (-1093)

SH: blk

SH: gry-grn-brn-blk

LS: wht-tan-gry, vfxln, dense, sl fos, sl chalky, w/abund shale

LS: wht-crm-gry, vfxln, sl cherty, sl ool, sl fos, sl chalky, NS

Hushpuckney 4267 (-1122)

SH: gry-grn-brn-blk

LS: wht-crm-gry, vfxln, dense, sl cherty, sl ool, NS

LS: wht-crm-gry, vfxln, sl cherty, sl fos, NS

BKC 4292 (-1147)

SH: gry-grn-brn-blk

LS: wht-crm-gry, vfxln, sl ool, sl fos, NS

LS: wht-crm-gry, vfxln, dense, sl ool, sl fos, sl edge stn, nsfo, wk odor

Marmaton 4319 (-1174)

LS: same as above

SH: gry-grn-brn-blk

LS: wht-gry, vfxln, sl fos, w/abund shale

LS: same as above

LS: same as above

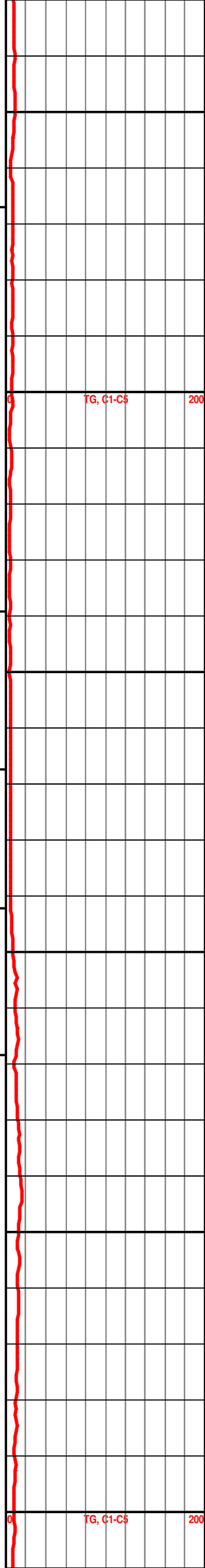
SH: gry-grn-brn (wash red)

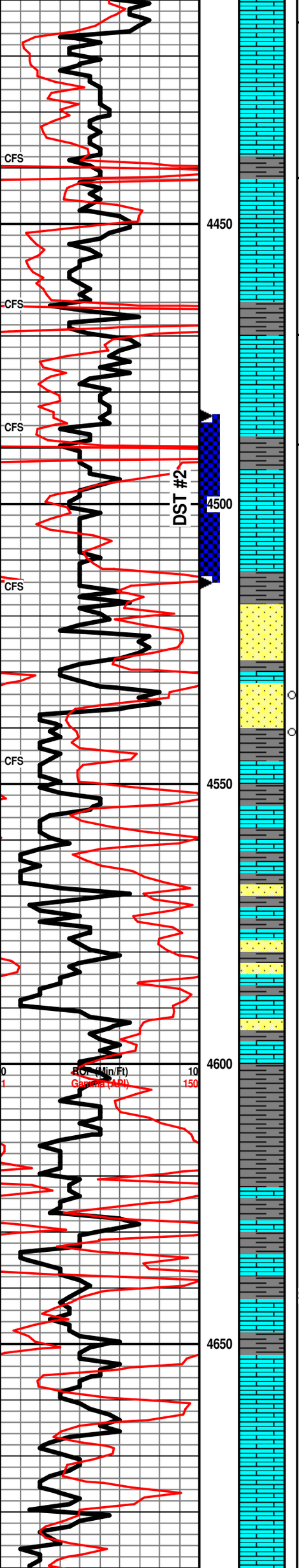
LS: wht-tan-gry, vfxln, sl fos, sl chalky, w/abund shale

LS: wht-tan-gry, vfxln, sl fos, chalky, NS

LS: wht-gry, vfxln, sl cherty, chalky, NS

SH: blk





Pawnee 4414 (-1269)

LS: wht-crm-gry, vfxln, dense, cherty, sl fos, NS

LS: same as above

LS: wht-crm-gry, vfxln, dense, sl cherty, sl ool, sl fos, NS
SH: blk

Myrick Station 4441 (-1296)

SH: gry-grn-brn-blk

LS: wht-tan-gry, vfxln, cherty, sl fos, NS

LS: same as above

SH: blk

Fort Scott 4470 (-1325)

LS: wht-tan-gry, vfxln, dense, sl cherty, sl fos, NS

LS: same as above

Cherokee Shale 4489 (-1344)

SH: blk

LS: wht-gry-brn, vfxln, sl cherty, sl fos, NS

DST #2 4484-4514 (Cherokee LS)
30:30:30:30
IF: Built to 1/8in, no return
FF: no blow, no return
Recovery: 5' Mud
IHP: 2206 FHP: 2177
IFP: 13-13 ISIP: 22
FFP: 15-15 FSIP: 19
BHT - 127 F

LS: same as above

SH: gry-grn-brn-blk

Sst: wht-clr, sl glauc, sl pyritic, vfn-fn grn, friable to firm clusters, sub-rd, NS

Sst: as above w/increase pyrite, sl gilson stn, nsfo, no odor

SH: gry-grn-brn-blk, w/sand clusters

SH: same as above

SH: same as above

LS: wht-crm-gry, vfxln, sl ool, w/abound shale and few sand clusters

LS: same as above

LS: same as above

SH: gry-grn-brn-blk

SH: gry-grn-brn-blk-yel

SH: same as above

LS: wht-crm-gry, vfxln, dense, NS
SH: gry-grn-brn-yel

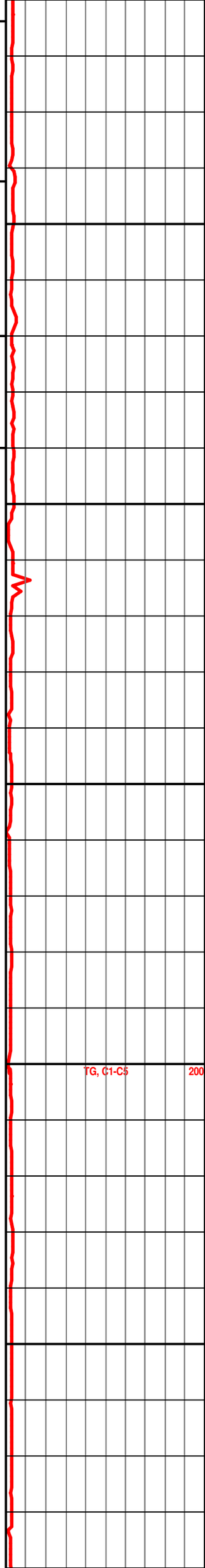
LS: wht-crm-gry, vfxln, dense, sl fos, NS
SH: gry-grn-brn-blk-yel-purp

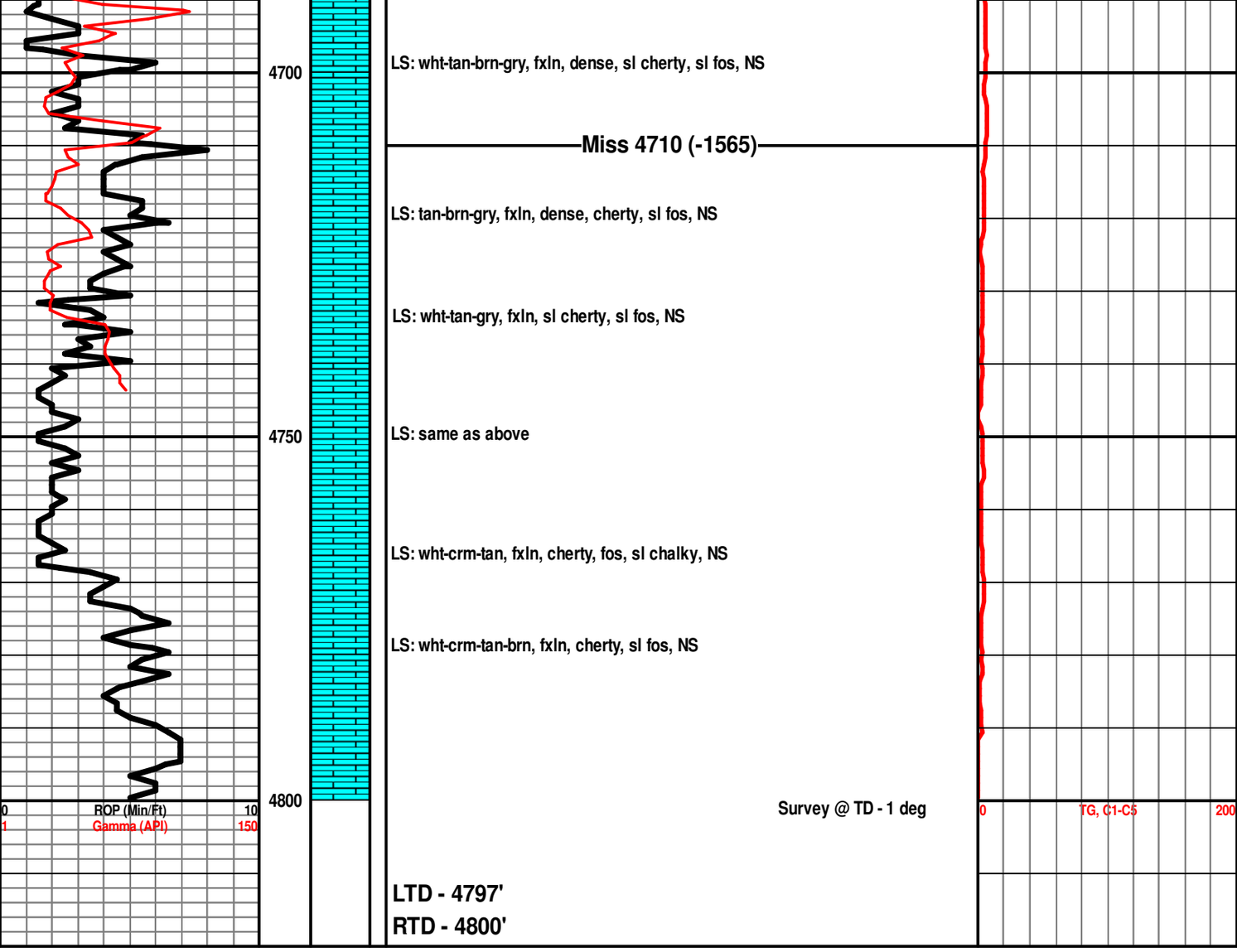
SH: same as above

LS: wht-gry-brn, fxln, dense, cherty, w/abund shale

LS: same as above

LS: wht-tan-brn-gry, fxln, sl cherty, sl ool, sl fos, w/shale




4700
4750
4800
LS: wht-tan-brn-gry, fxln, dense, sl cherty, sl fos, NS
Miss 4710 (-1565)
LS: tan-brn-gry, fxln, dense, cherty, sl fos, NS
LS: wht-tan-gry, fxln, sl cherty, sl fos, NS
LS: same as above
LS: wht-crm-tan, fxln, cherty, fos, sl chalky, NS
LS: wht-crm-tan-brn, fxln, cherty, sl fos, NS
Survey @ TD - 1 deg
0
ROP (Min/Ft)
10
1
Gamma (API)
150
0
TG, C1-C5
200
LTD - 4797'
RTD - 4800'

CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 47952
LOCATION Oakley Ks.
FOREMAN Cory Davis

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3/15/15	2777	Dewey trust #1-33B	33	4S	35W	Rawlins

CUSTOMER: Cul Breath
MAILING ADDRESS:
CITY: STATE: ZIP CODE:

Levant 1/2 N to Jct 5 N to RDB 2 W to 1/2 W + N 2 3/4 N E into

TRUCK #	DRIVER	TRUCK #	DRIVER
731	Cody B		
497	Collin S		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 2870 CASING SIZE & WEIGHT
CASING DEPTH DRILL PIPE 4 1/2 TUBING OTHER
SLURRY WEIGHT 13.2 SLURRY VOL 1.42 WATER gal/sk 6.2 CEMENT LEFT in CASING
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safty meeting rig up on WW4 - Plug as order
1 50 sks at 2870'
2 100 sks at 2140' 240sks 60/40 Poz mix 4% gel 1/4# flo seal
3 50 sks at 350'
4 10 sks at 40'
R.H. 30 sks
240 sks total

Thanks Cory D. and Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1,395.00	1,395.00
5406	20	MILEAGE	5.25	105.00
5407	10.32	Ton mileage Delivery	1.75	430.00
1131	240	60/40 Poz Mix	15.86	3,806.40
1118B	824#	Bentonite (gel)	.27	222.48
1107	60#	flo seal	2.97	178.20
		subtotal		6,137.08
		20% less		1,227.42
		sub total		4,909.66
		SALES TAX		
		ESTIMATED TOTAL		

Ravin 3737

AUTHORIZTION Walter Brown TITLE Tool Pusher DATE 3-15-15

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.