

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251440
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____

1251440

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Dewey Trust 1-11 "C"
Doc ID	1251440

All Electric Logs Run

CND
DIL
Micro
Deviation

Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Dewey Trust 1-11 "C"
Doc ID	1251440

Tops

Name	Top	Datum
Anhydrite	2926	+331
Base Anhy	2964	+393
Heebner	4096	-839
Lansing	4145	-888
BKC	4385	-1128
Pawnee	4505	-1248
Fort Scott	4560	-1303
Cherokee Shale	4580	-1323
Mississippi	4812	-1555



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 148978

Invoice Date: Mar 19, 2015

Page: 1

Voice: (817) 546-7282

Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

Bill To:
Culbreath Oil & Gas Co., Inc. 1532 South Peoria Avenue Tulsa, OK 74120

Customer ID	Field Ticket #	Payment Terms	
Cul	64691	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 19, 2015	4/18/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dewey Trust C #1-11		
250.00	CEMENT MATERIALS	Class A Common	17.90	4,475.00
705.00	CEMENT MATERIALS	Chloride	1.10	775.50
236.95	CEMENT SERVICE	Cubic Feet Charge	2.48	587.64
544.60	CEMENT SERVICE	Ton Mileage Charge	2.75	1,497.65
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	EQUIPMENT OPERATOR	Darren Racette		
1.00	OPERATOR ASSISTANT	George Grant		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 3,970.27

ONLY IF PAID ON OR BEFORE

Apr 18, 2015

Subtotal	9,453.04
Sales Tax	414.79
Total Invoice Amount	9,867.83
Payment/Credit Applied	
TOTAL	9,867.83

ALLIED OIL & GAS SERVICES, LLC 064691

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Dakley

DATE <u>3-19-15</u>	SEC. <u>11</u>	TWP. <u>5</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>6:00pm</u>	JOB START <u>8:30</u>	JOB FINISH <u>9:00pm</u>
LEASE <u>Dewey</u>		WELL # <u>1-11 1/2"</u>		LOCATION <u>Levant 19 N 1/2 W</u>		COUNTY <u>Pauline</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				S into			

CONTRACTOR <u>LTW #</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u> T.D. <u>344'</u>	AMOUNT ORDERED <u>250 sks com 3 1/2cc</u>
CASING SIZE <u>8 5/8</u> DEPTH <u>344'</u>	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>250 sks</u> @ <u>171.90</u> <u>4475.00</u>
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. <u>15'</u>	GEL @
PERFS.	CHLORIDE <u>705#</u> @ <u>1.10</u> <u>775.50</u>
DISPLACEMENT <u>20.95 BBL</u>	ASC @

EQUIPMENT	
PUMP TRUCK CEMENTER <u>Andrew Fairhead</u>	Material Total @ <u>5,250.50</u>
# <u>431</u> HELPER <u>Darren Racette</u>	@
BULK TRUCK	@
# <u>890</u> DRIVER <u>George Grant</u>	@
BULK TRUCK	@
# DRIVER	@
REMARKS:	HANDLING <u>231.95 c/ft</u> @ <u>2.48</u> <u>582.64</u>
	MILEAGE <u>2.25 mi. @ 10.82/mi.</u> <u>24.345</u>
	TOTAL

	SERVICE
<u>Cement in cellar</u>	DEPTH OF JOB <u>344'</u>
	PUMP TRUCK CHARGE <u>1512.25</u>
	EXTRA FOOTAGE @
	MILEAGE <u>570 miles</u> @ <u>2.20</u> <u>1254.00</u>
	MANIFOLD @
<u>Thank you</u>	<u>Light vehicle</u> @ <u>41.40</u> <u>220.00</u>

CHARGE TO: Cutbreath

STREET _____

CITY _____ STATE _____ ZIP _____

(1765.06 / 42%) TOTAL 4,202.54

	PLUG & FLOAT EQUIPMENT
	@
	@
	@
	@
	@
	TOTAL

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SALES TAX (If Any) _____

TOTAL CHARGES 9,453.04

DISCOUNT 3,970.27 (42%) IF PAID IN 30 DAYS

SIGNATURE Andrew Fairhead Bid 5,482.76 Net.

BID SHEET



Hide/Unhide Rows

Date	March 3, 2015
Ticket Number	OAK13032738
Service Point:	Oakley, KS
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452

Manager	Terry Heinrich
E-mail	terry.heinrich@alliedservices.com
Mobile Phone	785-673-9376

Company	Culbreath Oil & Gas Company Inc	Prepared For:	Harold Bellarive	Well Data	
Address	Tulsa, Ok. 74120	Business Phone:	785-635-4531	Open Hole	12 1/4
Address		Email:	xhand@ruatel.net	Depth	310
Well Name	Dewey Trust	Mobile Phone:	0	String	01 Surface
Well Number	# 1-7	Prepared By:	Neal Rupp	Casing Size	8 5/8
Field	Sec: 7 - TSS - R35W	Email	neal.rupp@alliedservices.com	ID	8.095
County	Rawlins	Mobile Phone:	316-250-7057	Weight	24.0
State	Kansas	Business Phone:	316-260-3368	Grade	J-55
City	0	Rig Contractor	0	Top (md)	0
API Number	0	Rig Name/No.	0	Btm (md)	310
Specific Job Type	01 Surface	Rig Phone:	0	Thread	LTC
		Company Rep	0		
		Rep Phone No.	0		
		Mileage (one-way)	50		
		Proposal Date	3/3/2015		

	Units	UOM	Cost per Unit	Total	Unit Net	Net	Cost per Unit	Cost Total	\$ GP	% GP
OPERATIONS										
Casing Pump Charge 0' to 500'	1.00	mln. 4 hr	\$1,512.25	\$ 1,512.25	\$ 877.11	\$877.11				
Subtotal				\$ 1,512.25		\$877.11				
EQUIPMENT SALES										
8 5/8 Wooden Plug	1.00	each	\$110.00	\$ 110.00	\$ 63.80	\$63.80	\$45.00	\$45.00	\$18.80	29.5%
Subtotal				\$ 110.00		\$63.80		\$45.00	\$18.80	29.47%
PRODUCTS										
CLASS A COMMON	200.00	per sack	\$17.90	\$ 3,580.00	\$ 10.38	\$2,076.40	\$8.07	\$1,614.00	\$462.40	22.3%
Calcium Chloride	564.00	per pound	\$1.10	\$ 620.40	\$ 0.94	\$359.83	\$0.24	\$135.36	\$224.47	62.4%
Subtotal				\$ 4,200.40		\$2,436.23		\$1,749.36	\$686.87	28.19%
TRANSPORT										
Products handling service charge	211.17	per cu. Ft.	\$2.48	\$ 523.70	\$ 1.44	\$303.74				
Drayage for Products	484.10	ton-mile	\$2.75	\$ 1,331.28	\$ 1.60	\$772.14				
Light Vehicle Mileage	50.00	per mile	\$4.40	\$ 220.00	\$ 2.55	\$127.60				
Heavy Vehicle Mileage	50.00	per mile	\$7.70	\$ 385.00	\$ 4.47	\$223.30				
Subtotal				\$ 2,459.97		\$1,426.78				
Totals:				\$ 8,282.62		\$4,803.92				
DISCOUNT: Operations			42.0%	(635.15)						
DISCOUNT: Equipment Sales			42.0%	(46.20)						
DISCOUNT: Products			42.0%	(1,764.17)						
DISCOUNT: Transport			42.0%	(1,033.19)						
DISCOUNT: ADDITIONAL ITEMS			42.0%	0.00						
			Total	(3,478.70)						

	Gross	Discount	Final	Costs:	\$ GP	% GP
Services Total	\$3,972.22	\$1,668.33	\$2,303.89	Services	\$1,905.00	\$398.89 17.31%
Materials Total	\$4,310.40	\$1,810.37	\$2,500.03	Materials	\$1,794.36	\$705.67 28.23%
Final Total	\$8,282.62	\$3,478.70	\$4,803.92	Total	\$3,699.36	\$1,104.56 22.99%

ADDITIONAL ITEMS										
Additional hours, in excess of set hours-Acid	1.00	per hour	\$350.00	\$ 350.00	\$ 203.00	\$203.00				
Subtotal:						\$203.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Culbreath Oil & Gas

11-5S-35W - Rawlins

1532 S. Peoria Ave.
Tulsa Ok, 74120

Dewey #1-11C

Job Ticket: 62357

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.03.25 @ 19:46:00

GENERAL INFORMATION:

Formation: **LKC - 'B'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:05:45

Time Test Ended: 02:19:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 54

Interval: 4172.00 ft (KB) To 4190.00 ft (KB) (TVD)

Reference Elevations: 3257.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

3252.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6753 Inside

Press@RunDepth: 17.44 psig @ 4173.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.25

End Date:

2015.03.26

Last Calib.:

2015.03.26

Start Time: 19:46:05

End Time:

02:19:44

Time On Btm:

2015.03.25 @ 22:05:30

Time Off Btm:

2015.03.26 @ 00:06:30

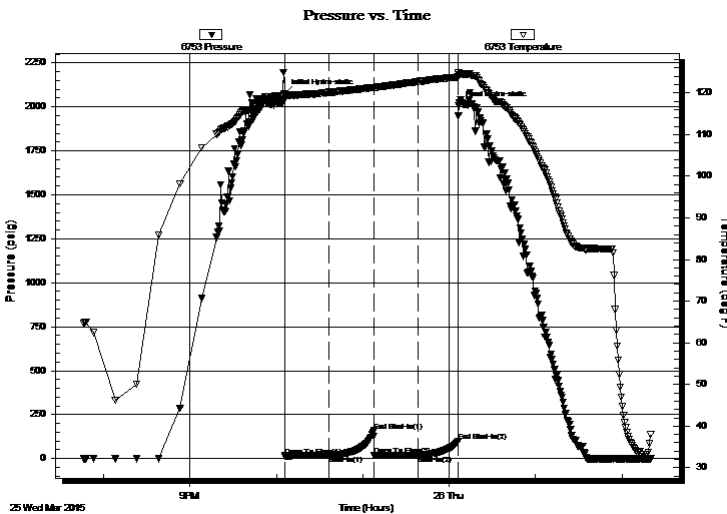
TEST COMMENT: 30 - IF - Surface blow built up to 1/2"

30 - ISI - No Return

30 - FF - No Surface blow

30 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2073.20	119.65	Initial Hydro-static
1	13.36	118.31	Open To Flow (1)
31	16.89	120.15	Shut-In(1)
62	158.30	121.33	End Shut-In(1)
63	16.60	121.28	Open To Flow (2)
93	17.44	122.74	Shut-In(2)
121	97.24	123.79	End Shut-In(2)
121	2006.09	124.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas

11-5S-35W - Rawlins

1532 S. Peoria Ave.
Tulsa Ok, 74120

Dewey #1-11C

Job Ticket: 62357

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.03.25 @ 19:46:00

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: 68.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 3.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	Mud - 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

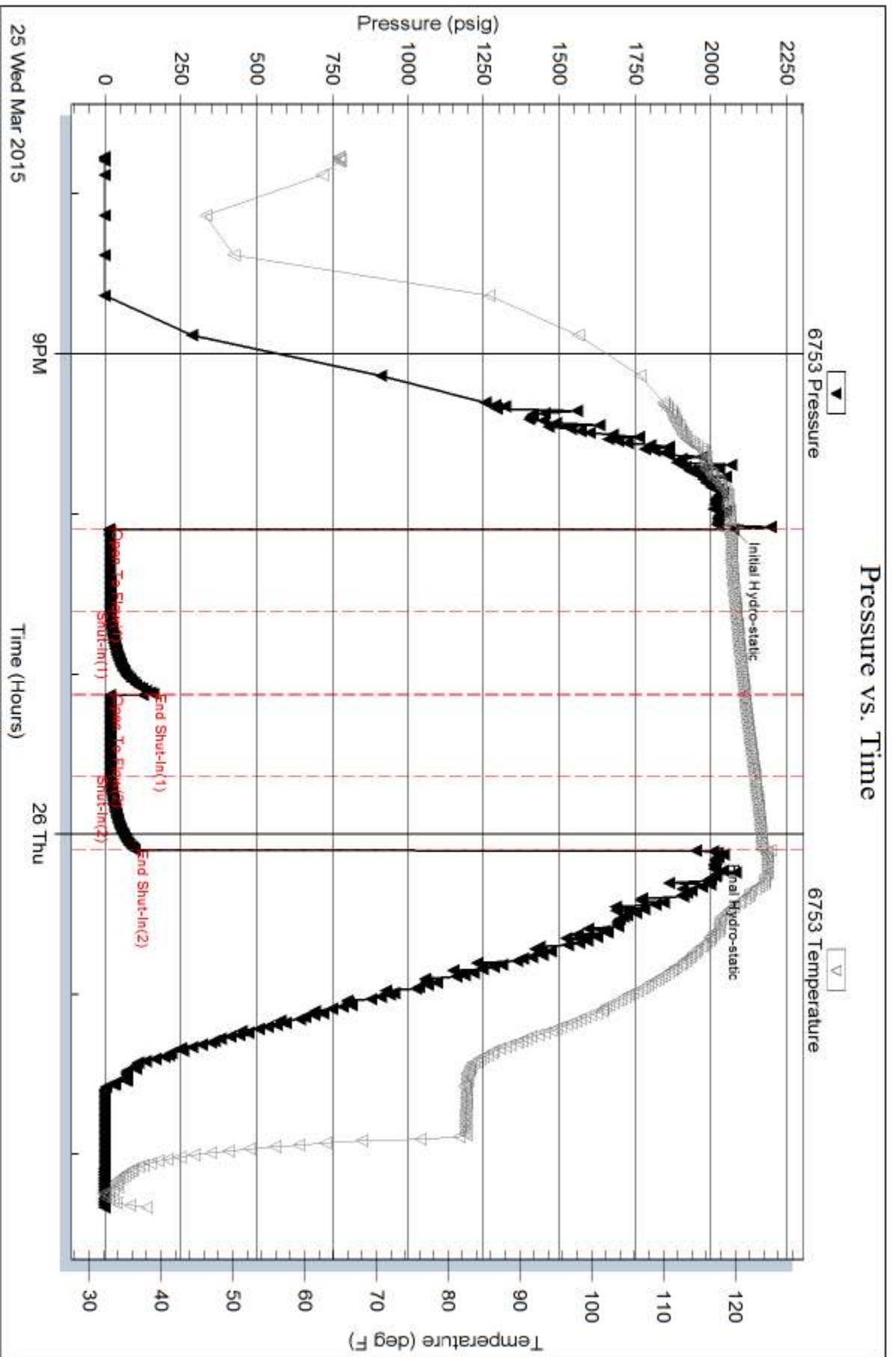
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas

11-5S-35W - Rawlins

1532 S. Peoria Ave.
Tulsa Ok, 74120

Dewey #1-11c dst#1

ATTN: Anthony Luna

Job Ticket: 62358

DST#: 2

Test Start: 2015.03.28 @ 09:47:00

GENERAL INFORMATION:

Formation: **Cherokee Lime**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:13:45

Time Test Ended: 16:39:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: 4577.00 ft (KB) To 4612.00 ft (KB) (TVD)

Reference Elevations: 3257.00 ft (KB)

Total Depth: 4612.00 ft (KB) (TVD)

3252.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press @ Run Depth: 20.31 psig @ 4578.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.28

End Date: 2015.03.28

Last Calib.: 2015.03.28

Start Time: 09:47:05

End Time: 16:39:44

Time On Btm: 2015.03.28 @ 12:13:30

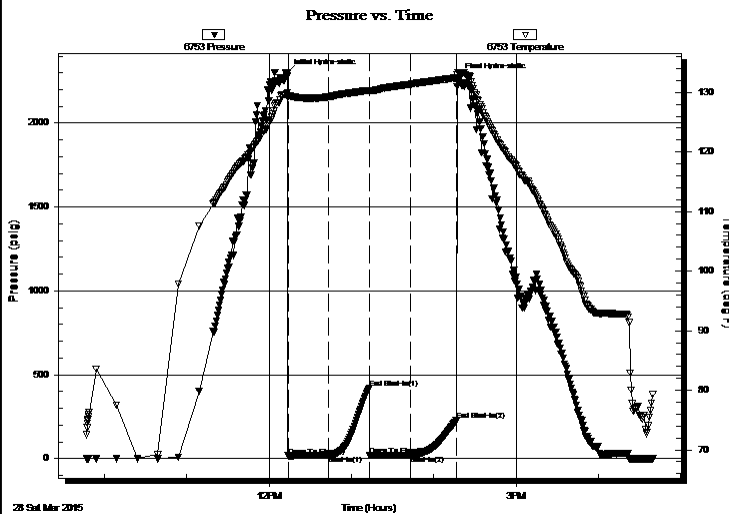
Time Off Btm: 2015.03.28 @ 14:17:45

TEST COMMENT: 30 - IF - Surface blow started w ith a weak blow then died off in 16 mins.

30 - ISI - No Return

30 - FF - No Surface blow

30 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2298.59	130.00	Initial Hydro-static
1	16.74	129.20	Open To Flow (1)
30	19.23	129.26	Shut-In(1)
60	421.82	130.35	End Shut-In(1)
60	19.64	130.04	Open To Flow (2)
90	20.31	131.34	Shut-In(2)
123	228.94	132.43	End Shut-In(2)
125	2274.15	133.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas

11-5S-35W - Rawlins

1532 S. Peoria Ave.
Tulsa Ok, 74120

Dewey #1-11c dst#1

Job Ticket: 62358

DST#: 2

ATTN: Anthony Luna

Test Start: 2015.03.28 @ 09:47:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - 100M	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 #: 6753

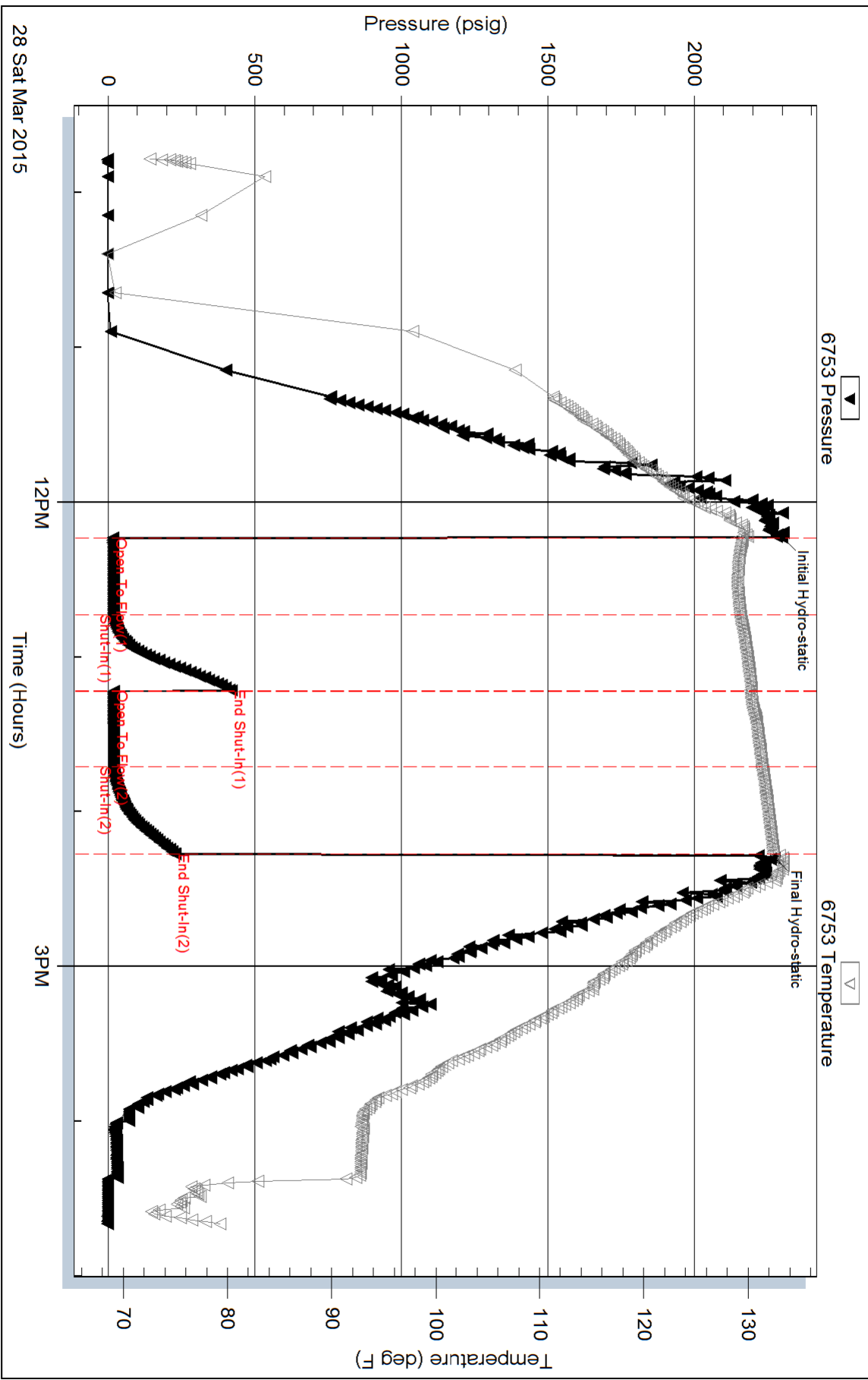
Inside

Culbreath Oil & Gas

Dewey #1-11c dst#1

DST Test Number: 2

Pressure vs. Time





STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

Cell 620.639.3030

Fax 785.387.2400

RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

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

Well Name: Dewey Trust #1-11 "C"

API: 15-153-21114-00-00

Location: Rawlins County

License Number: 34344

Spud Date: 3/19/15

Surface Coordinates: 1180' FNL & 2100' FWL

Section 11-T5S-R35W

Bottom Hole Coordinates: Vertical Well w/ minimal deviation

Region: Kansas

Drilling Completed: 3/30/15

Ground Elevation (ft): 3252'

K.B. Elevation (ft): 3257'

Logged Interval (ft): 3600'

To: TD

Total Depth (ft): LTD - 4896'

Formation: Topeka through Mississippian

Type of Drilling Fluid: Chemical - Andy's Mud

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

Anhydrite Top - 2926 (+331)
Anhydrite Base - 2964 (+293)
Topeka - 3922 (-665)
Heebner - 4096 (-839)
Lansing - 4145 (-888)
Muncie Crk - 4259 (-1002)
Stark - 4334 (-1077)
Hushpuckney - 4364 (-1107)
Base KC - 4385 (-1128)
Marmaton - 4418 (-1161)
Pawnee - 4505 (-1248)
Myrick Station - 4531 (-1274)
Fort Scott - 4560 (-1303)
Cherokee - 4580 (-1323)
Mississippian - 4812 (-1555)

DSTs

Drillstem testing performed by Trilobite Testing (Oberlin Office)

DST #1 4172-4190 (LKC "B")

30:30:30:30

IF: Built to 1/2in, no return

FF: No blow, no return

Recovery: 5' Mud (100%M)

IHP: 2073 FHP: 2006

IFP: 13-16 ISIP: 158

FFP: 16-17 FSIP: 97

BHT - 123 F

DST #2 4577-4612 (Cherokee LS)

30:30:30:30

IF: Surface blow, no return

FF: no blow, no return

Recovery: 5' Mud

IHP: 2298 FHP: 2274

IFP: 16-19 ISIP: 421

FFP: 19-20 FSIP: 228

BHT - 132 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	
	Mrst	
	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	

MINERAL

Amph	
Belm	
Bioclst	
Brach	
Bryozoa	
Cephal	
Coral	
Crin	
Echin	
Fish	
Foram	
Fossil	
Gastro	
Oolite	
Ostra	
Pelec	
Pellet	
Pisolite	
Plant	
Strom	
Silty	
Sand	
Dol	
Chlorite	
Anhy	
Arggrn	
Arg	
Bent	
Bit	
Brecfrag	
Calc	
Carb	
Chtdk	
Chtit	
Dol	

STRINGER

Feldspar	
Ferrpel	
Ferr	
Glau	
Gyp	
Hvymn	
Kaol	
Marl	
Minxl	
Nodule	
Phos	
Pyr	
Salt	
Sandy	
Silt	
Sil	
Sulphur	
Tuff	
Red shale	
Sh	
Sandylms	
Lms	
Gryslt	
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

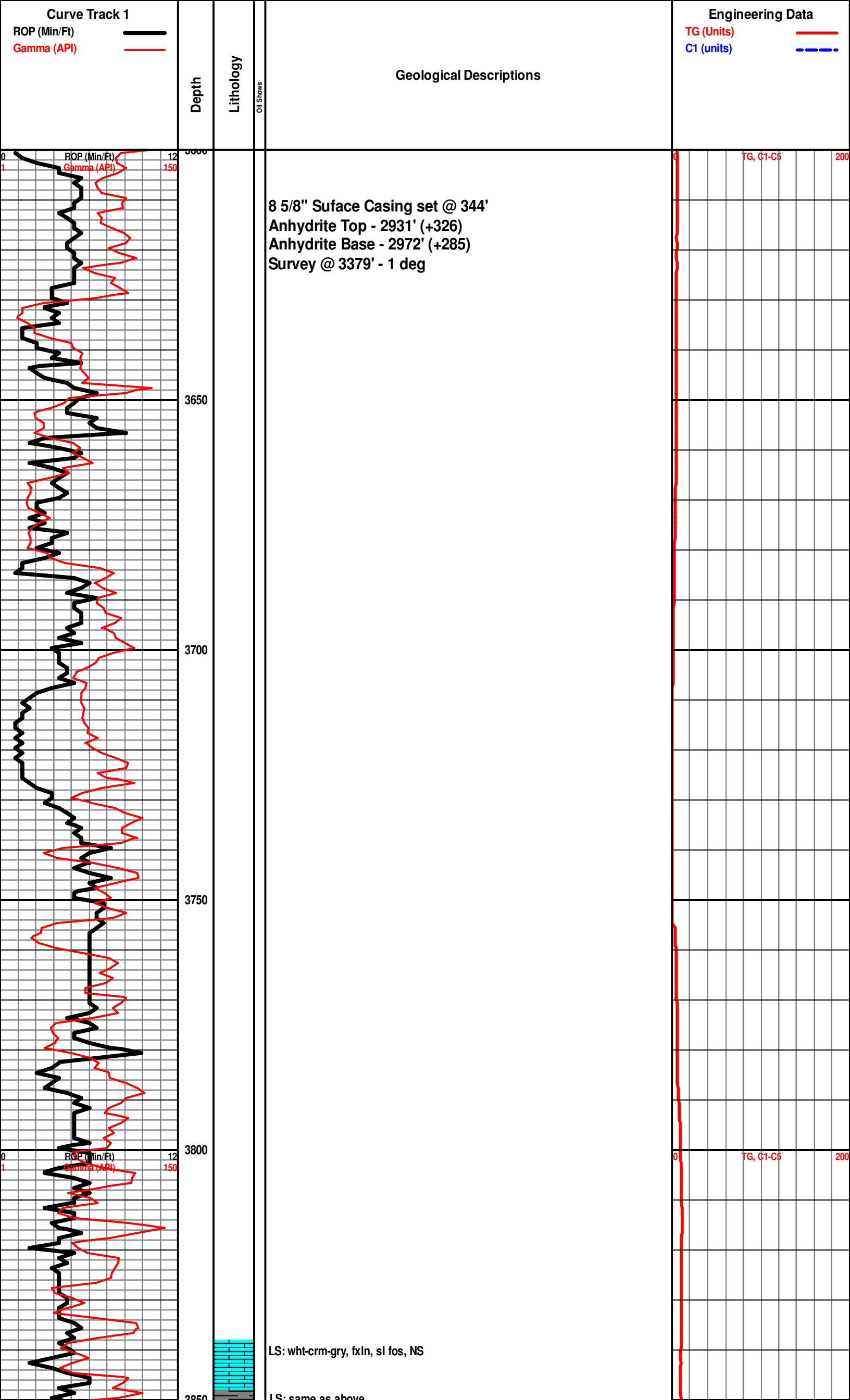
	Gas show
	Good
	Fair
	Poor
	Dead

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) 12
 Gamma (API) 150

TG, C1-C5 200

8 5/8" Surface Casing set @ 344'
 Anhydrite Top - 2931' (+326)
 Anhydrite Base - 2972' (+285)
 Survey @ 3379' - 1 deg

3650

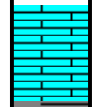
3700

3750

3800

ROP (Min/Ft) 12
 Gamma (API) 150

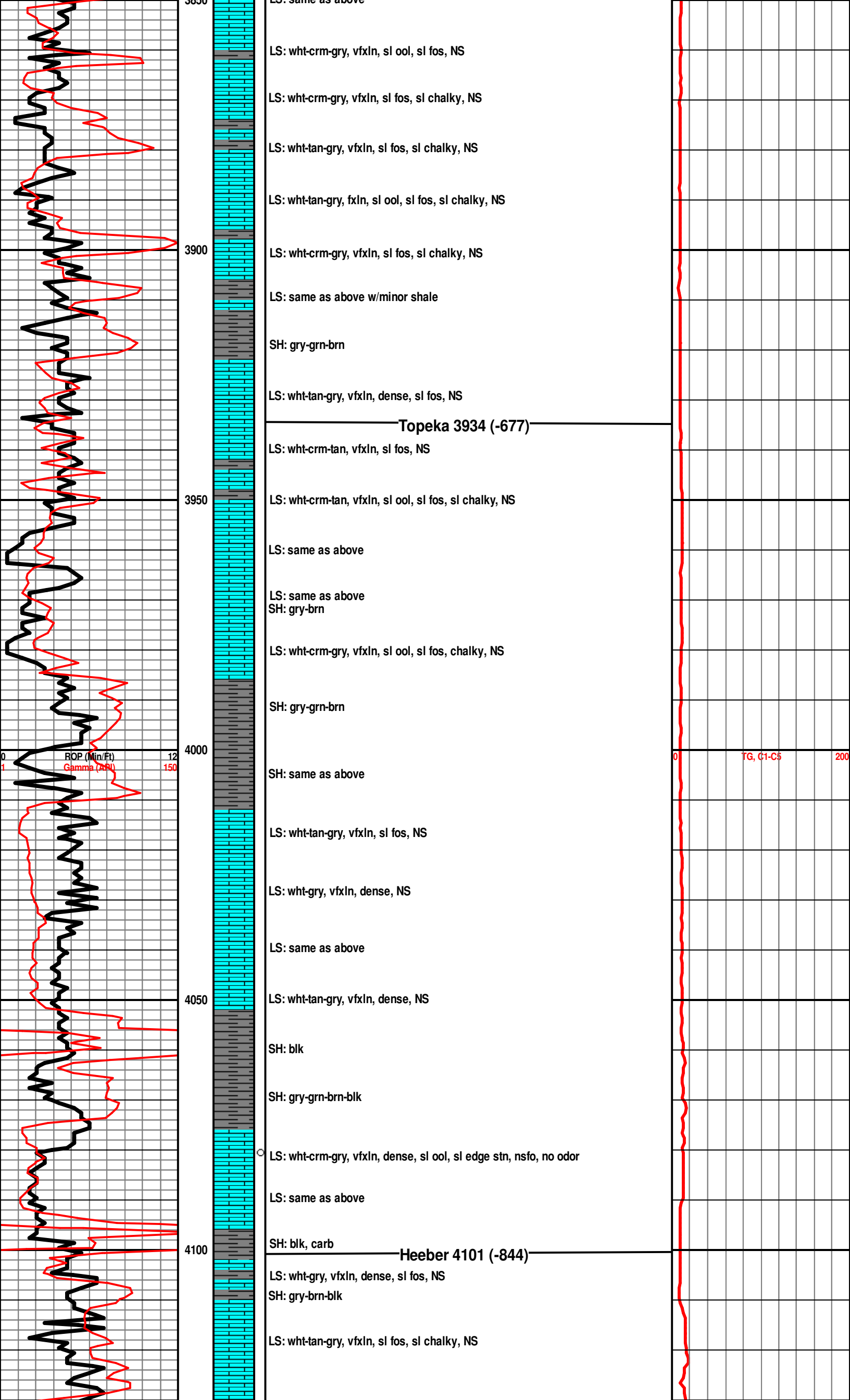
TG, C1-C5 200

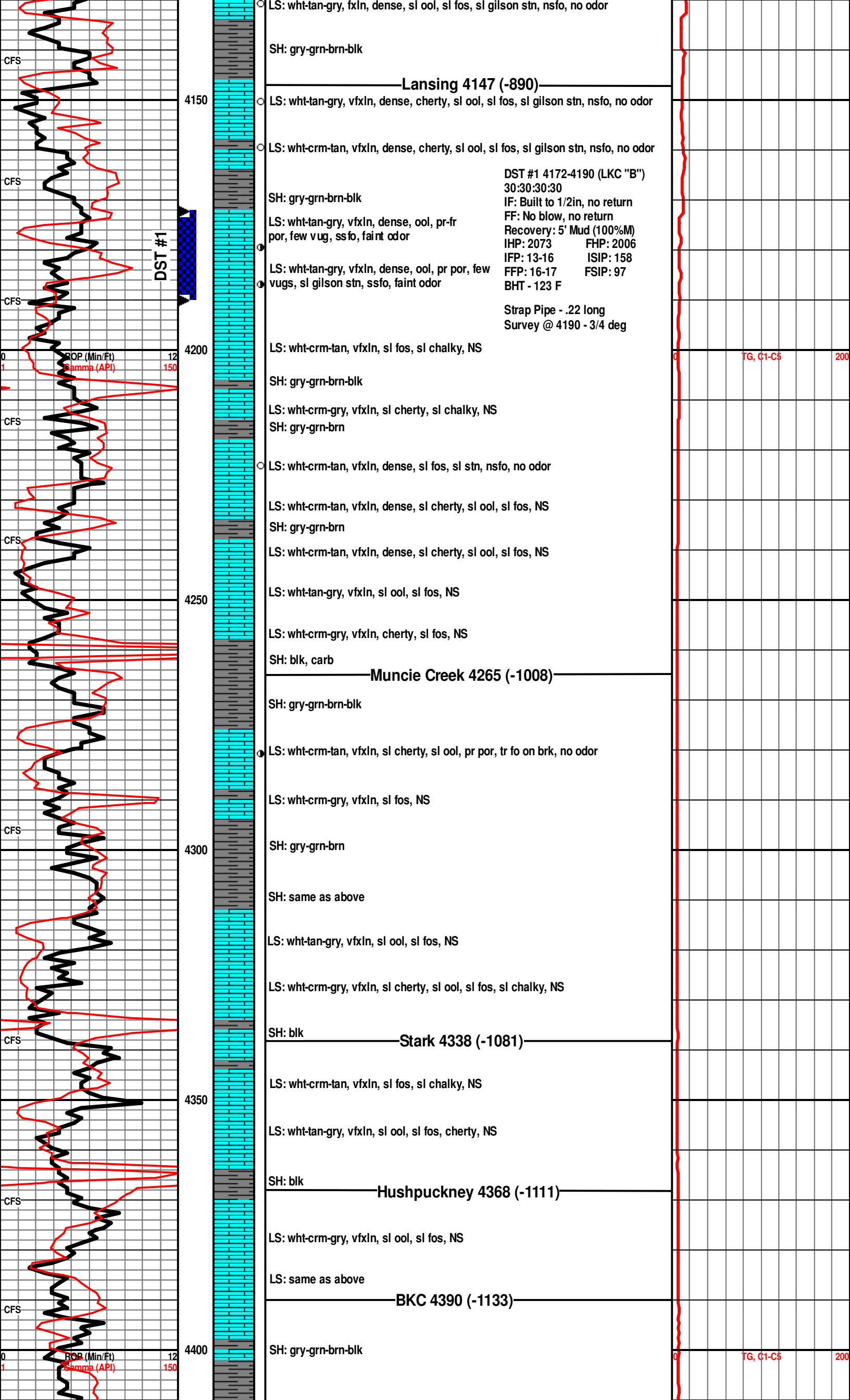


LS: wht-crm-gry, fxln, sl fos, NS

LS: same as above

3950





DST #1



LS: wht-tan-gry, vfxln, dense, sl ool, sl fos, sl gilson stn, nsfo, no odor
 SH: gry-grn-brn-blk

Lansing 4147 (-890)

LS: wht-tan-gry, vfxln, dense, cherty, sl ool, sl fos, sl gilson stn, nsfo, no odor
 SH: gry-grn-brn-blk

LS: wht-tan-gry, vfxln, dense, ool, pr-fr por, few vug, ssfo, faint odor
 LS: wht-tan-gry, vfxln, dense, ool, pr por, few vugs, sl gilson stn, ssfo, faint odor

DST #1 4172-4190 (LKC "B")
 30:30:30:30
 IF: Built to 1/2in, no return
 FF: No blow, no return
 Recovery: 5' Mud (100%M)
 IHP: 2073 FHP: 2006
 IFP: 13-16 ISIP: 158
 FFP: 16-17 FSIP: 97
 BHT - 123 F

Strap Pipe - .22 long
 Survey @ 4190 - 3/4 deg

LS: wht-crm-tan, vfxln, sl fos, sl chalky, NS
 SH: gry-grn-brn-blk

LS: wht-crm-gry, vfxln, sl cherty, sl chalky, NS
 SH: gry-grn-brn

LS: wht-crm-tan, vfxln, dense, sl fos, sl stn, nsfo, no odor
 LS: wht-crm-tan, vfxln, dense, sl cherty, sl ool, sl fos, NS
 SH: gry-grn-brn

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

Muncie Creek 4265 (-1008)

SH: gry-grn-brn-blk

LS: wht-crm-tan, vfxln, sl cherty, sl ool, pr por, tr fo on brk, no odor
 LS: wht-crm-gry, vfxln, sl fos, NS
 SH: gry-grn-brn

SH: same as above

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

Stark 4338 (-1081)

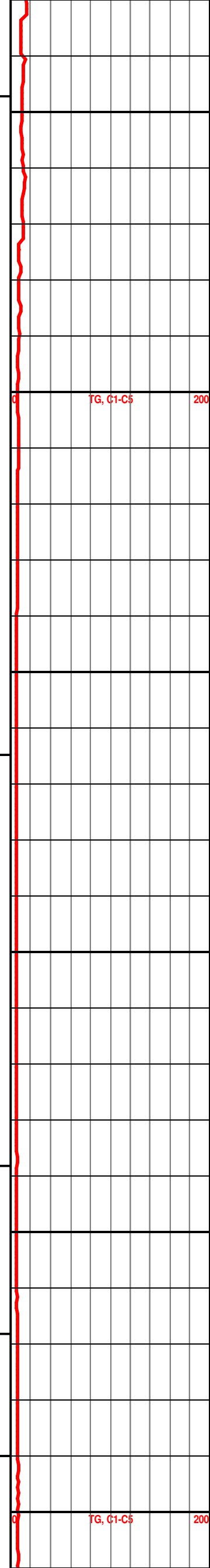
LS: wht-crm-tan, vfxln, sl fos, sl chalky, NS
 LS: wht-tan-gry, vfxln, sl ool, sl fos, cherty, NS
 SH: blk

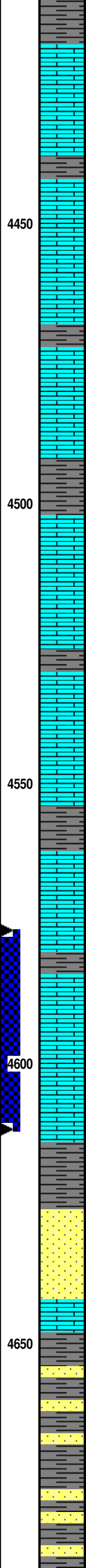
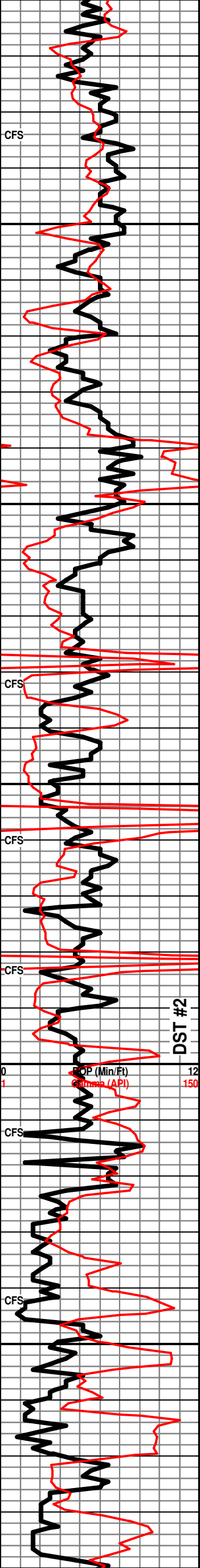
Hushpuckney 4368 (-1111)

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

BKC 4390 (-1133)

SH: gry-grn-brn-blk





SH: same as above

Marmaton 4424 (-1167)

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

LS: same as above

SH: gry-grn-brn

4450

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

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

SH: gry-grn-brn

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

LS: same as above

4500

SH: blk

SH: gry-grn-brn-blk

Pawnee 4510 (-1253)

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

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

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

CFS

SH: blk

Myrick Station 4535 (-1278)

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

4550

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

SH: blk

CFS

Fort Scott 4564 (-1307)

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

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

SH: blk

CFS

Cherokee Shale 4583 (-1326)

LS: tan-gry-brn, vfxln, sl fos, NS

DST #2 4577-4612 (Cherokee LS)

30:30:30:30

IF: Surface blow, no return

FF: no blow, no return

Recovery: 5' Mud

IHP: 2298

FHP: 2274

IFP: 16-19

ISIP: 421

FFP: 19-20

FSIP: 228

BHT - 132 F

LS: same as above

SH: gry-grn-brn-blk-purp

SH: gry-grn-brn-blk

Sst: wht-clr, pyritic, vfn-fn grn, friable to firm clusters, fr srtd, sub-rd, gilson stn, nsfo, no odor

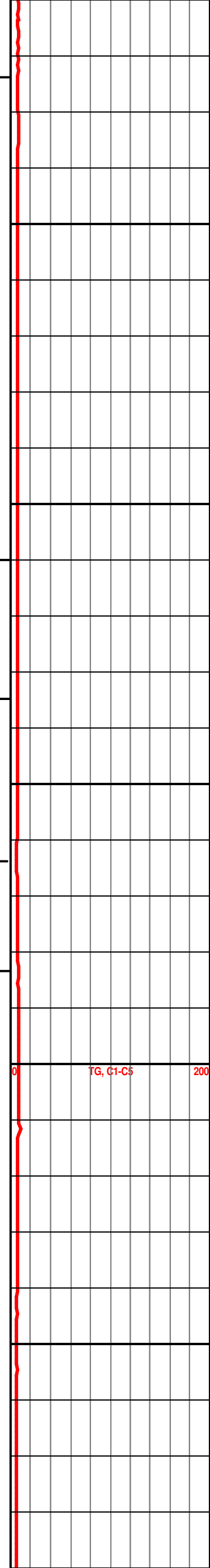
Sst: same as above w/abund shale

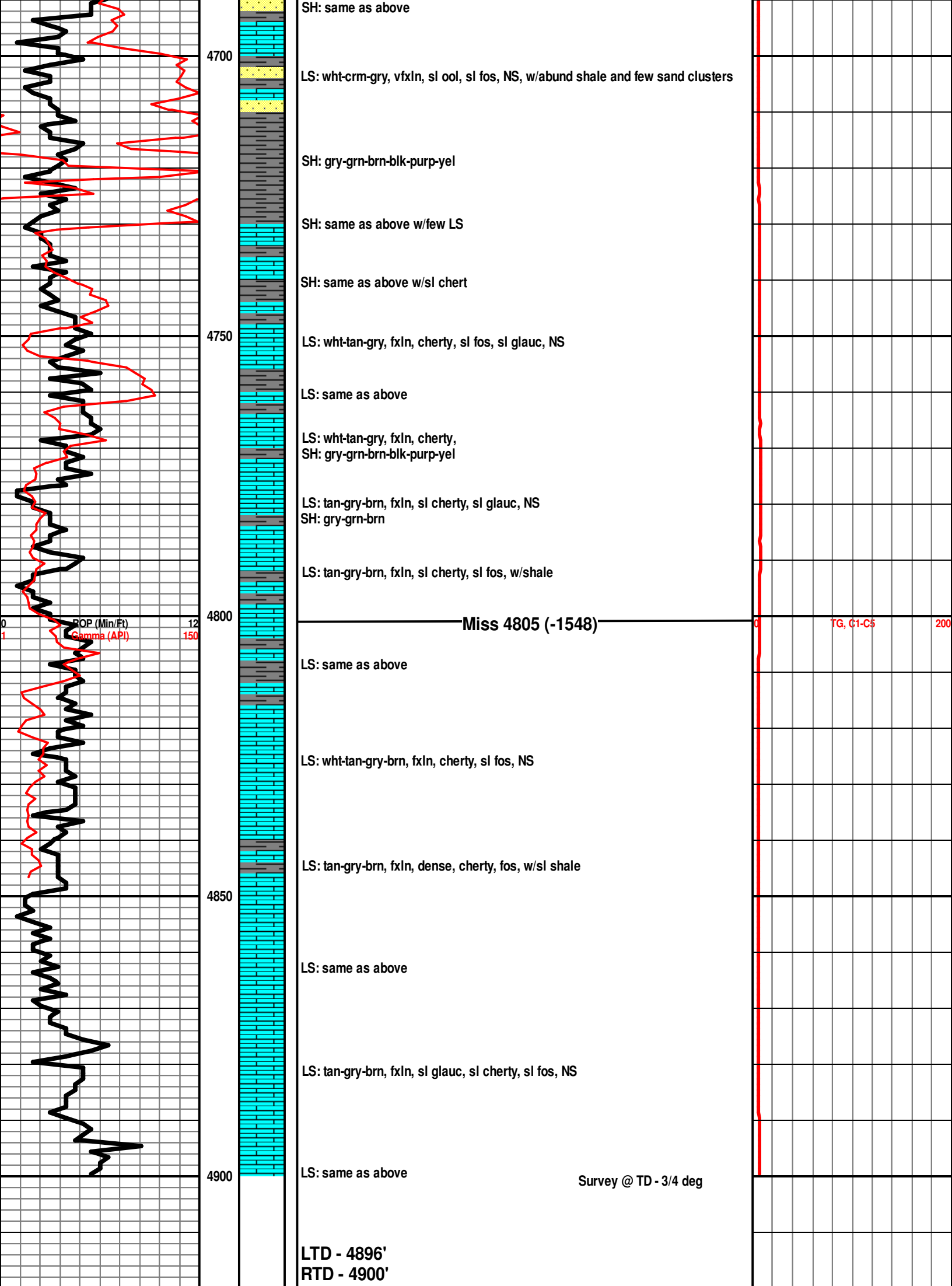
4650

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

SH: same as above

SH: same as above w/few LS and sand clusters





LTD - 4896'
RTD - 4900'