

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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
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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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Slaw son Exploration
 204 N Robinson Ave 2300
 Oklahoma City, OK 73102
 ATTN: Austin Garner

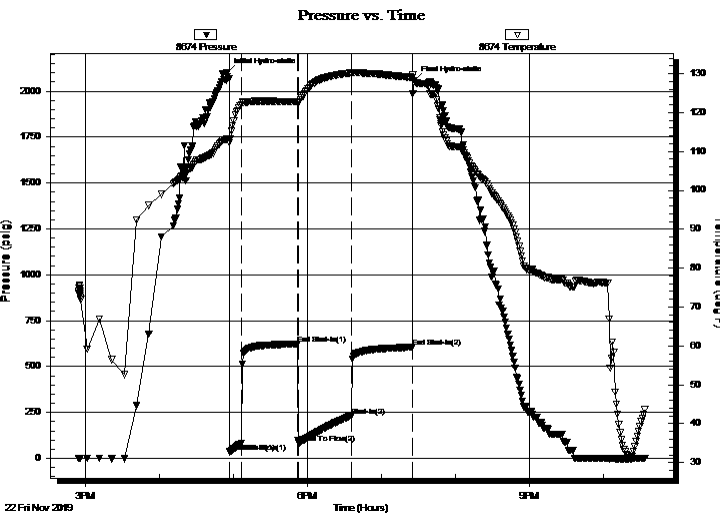
3-19-28 Lane KS
Shapland 1-3
 Job Ticket: 66068 **DST#: 1**
 Test Start: 2019.11.22 @ 14:54:22

GENERAL INFORMATION:

Formation: **Lansing I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:56:52
 Time Test Ended: 22:33:52
 Interval: **4227.00 ft (KB) To 4246.00 ft (KB) (TVD)**
 Total Depth: 4246.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2760.00 ft (KB)
 2751.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 231.54 psig @ 4228.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.11.22 End Date: 2019.11.22 Last Calib.: 2019.11.22
 Start Time: 14:54:27 End Time: 22:33:51 Time On Btm: 2019.11.22 @ 16:54:52
 Time Off Btm: 2019.11.22 @ 19:26:22

TEST COMMENT: IF: BOB in 5 min 18
 IS: No return.
 FF: BOB in 12 min 55
 FS: Surface blow built to 17 1/2



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2102.06	113.13	Initial Hydro-static
2	35.46	112.32	Open To Flow (1)
12	81.21	122.04	Shut-In(1)
57	622.19	122.81	End Shut-In(1)
58	83.62	122.64	Open To Flow (2)
101	231.54	130.15	Shut-In(2)
150	604.96	129.04	End Shut-In(2)
152	2057.21	128.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 90%w 10%m	2.61
124.00	gocw m 10%g 10%o 10%w 70%m	1.74
217.00	go 30%g 70%o	3.04
0.00	465 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Slaw son Explortion

3-19-28 Lane KS

204 N Robinson Ave 2300
Oklahoma City, OK 73102

Shapland 1-3

Job Ticket: 66068

DST#: 1

ATTN: Austin Garner

Test Start: 2019.11.22 @ 14:54:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	mcw 90%w 10%m	2.609
124.00	gocw m 10%g 10%o 10%w 70%m	1.739
217.00	go 30%g 70%o	3.044
0.00	465 GIP	0.000

Total Length: 527.00 ft

Total Volume: 7.392 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

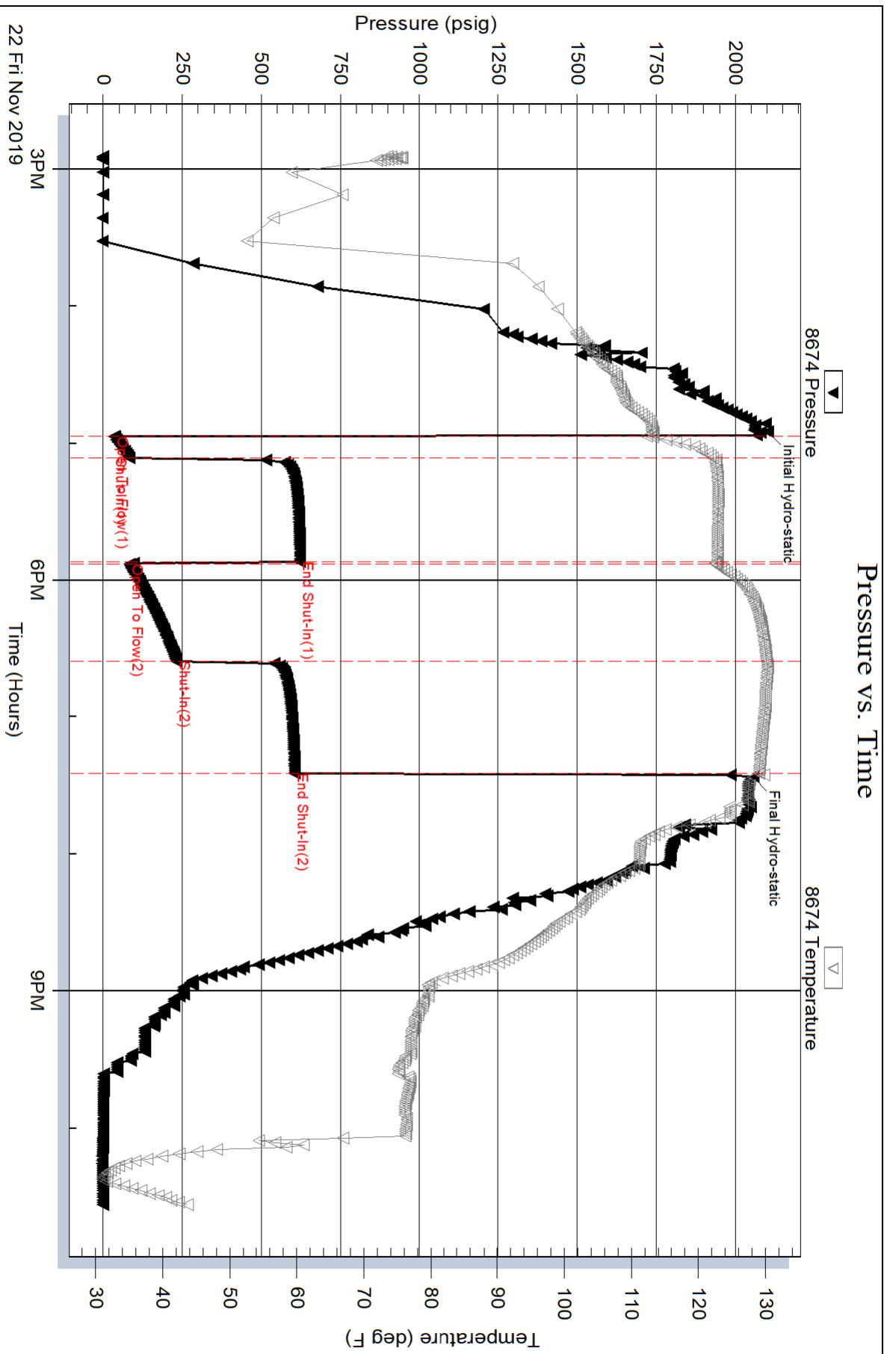
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 33@40=35

.4@34=38000



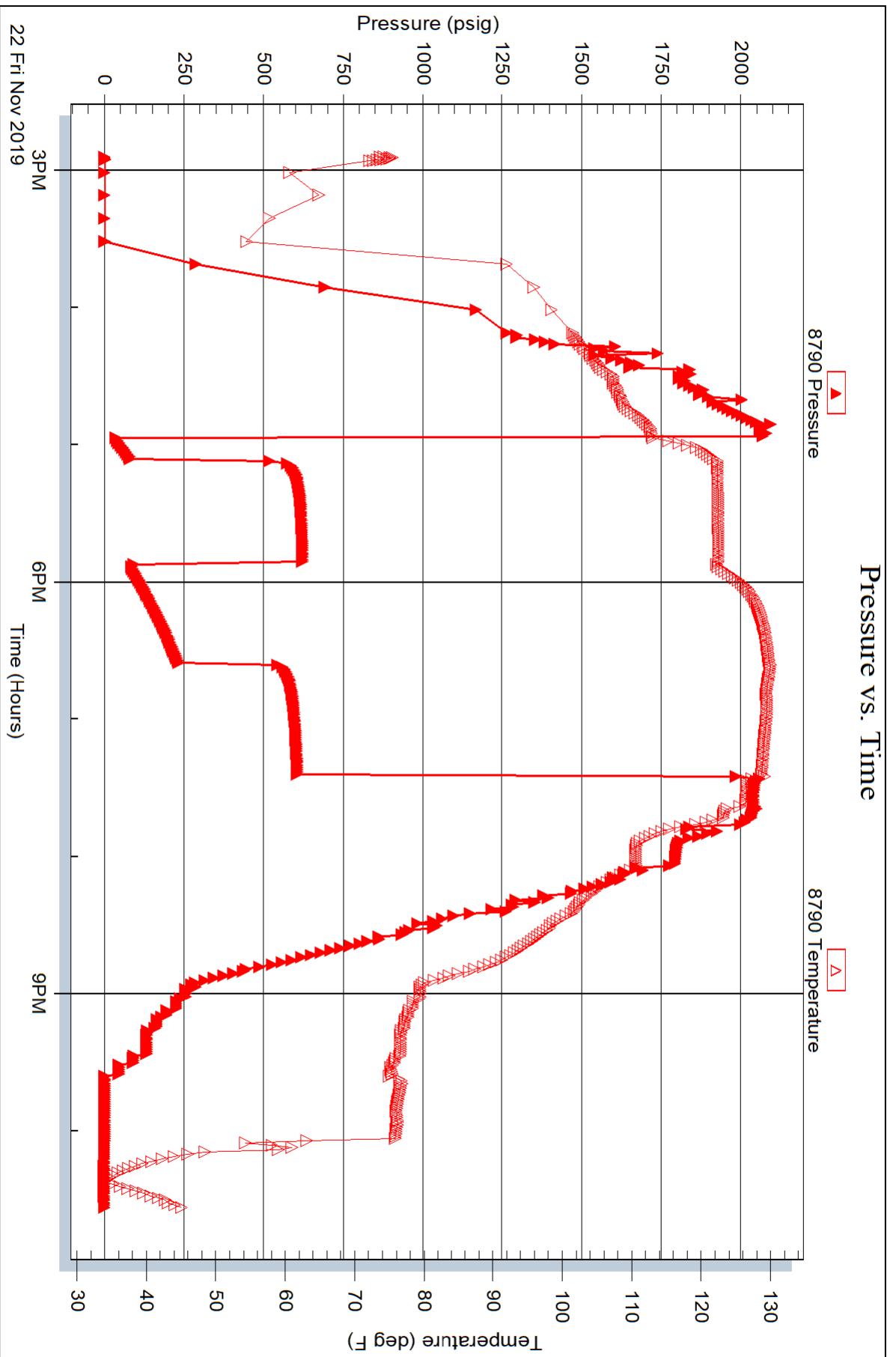
Serial #: 8790

Inside

Slaw son Exploration

Shapland 1-3

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Slaw son Explortion
 204 N Robinson Ave 2300
 Oklahoma City, OK 73102
 ATTN: Austin Garner

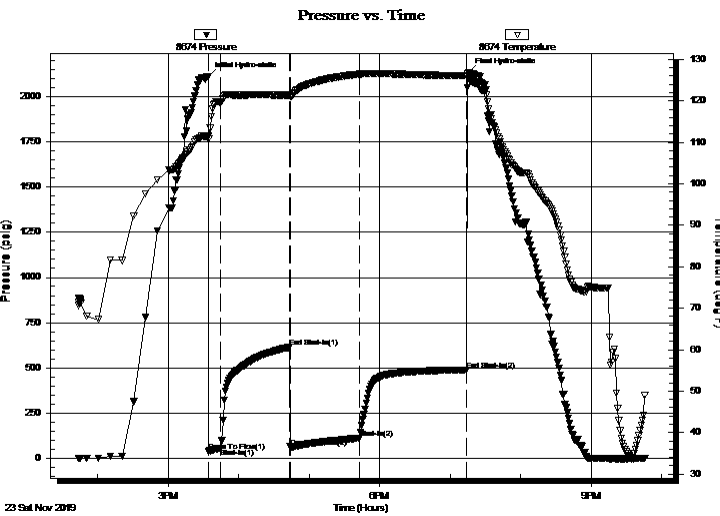
3-19-28 Lane KS
Shapland 1-3
 Job Ticket: 66069 **DST#: 2**
 Test Start: 2019.11.23 @ 13:43:39

GENERAL INFORMATION:

Formation: **K-L**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:34:39 Tester: Brandon Turley
 Time Test Ended: 21:45:39 Unit No: 79
 Interval: **4280.00 ft (KB) To 4331.00 ft (KB) (TVD)** Reference Elevations: 2760.00 ft (KB)
 Total Depth: 4331.00 ft (KB) (TVD) 2751.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 111.59 psig @ 4281.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.11.23 End Date: 2019.11.23 Last Calib.: 2019.11.23
 Start Time: 13:43:44 End Time: 21:45:38 Time On Btm: 2019.11.23 @ 15:34:09
 Time Off Btm: 2019.11.23 @ 19:15:39

TEST COMMENT: IF: BOB in 5 min 17
 IS: Surface blow died in 20 min.
 FF: BOB in 7 min. 28
 FS: Surface blow built to 1/2.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2111.07	111.49	Initial Hydro-static
1	39.69	110.81	Open To Flow (1)
11	57.22	119.65	Shut-In(1)
69	613.84	121.35	End Shut-In(1)
70	59.04	121.05	Open To Flow (2)
129	111.59	126.43	Shut-In(2)
220	489.16	126.05	End Shut-In(2)
222	2133.21	126.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mw 50%w 50%m	0.87
62.00	gocm 20%g 20%o 60%m	0.87
62.00	mcgo 5%g 75%o 20%m	0.87
40.00	go 10%g 90%o	0.56
0.00	332 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Slaw son Explortion
 204 N Robinson Ave 2300
 Oklahoma City, OK 73102
 ATTN: Austin Garner

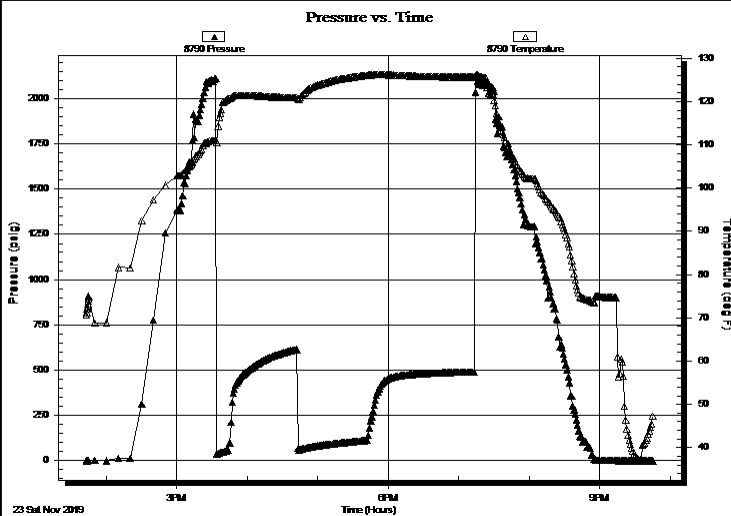
3-19-28 Lane KS
Shapland 1-3
 Job Ticket: 66069 **DST#: 2**
 Test Start: 2019.11.23 @ 13:43:39

GENERAL INFORMATION:

Formation: **K-L**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:34:39 Tester: Brandon Turley
 Time Test Ended: 21:45:39 Unit No: 79
 Interval: **4280.00 ft (KB) To 4331.00 ft (KB) (TVD)** Reference Elevations: 2760.00 ft (KB)
 Total Depth: 4331.00 ft (KB) (TVD) 2751.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8790 Inside
 Press@RunDepth: psig @ 4281.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.11.23 End Date: 2019.11.23 Last Calib.: 2019.11.23
 Start Time: 13:43:25 End Time: 21:45:19 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB in 5 min 17
 IS: Surface blow died in 20 min.
 FF: BOB in 7 min. 28
 FS: Surface blow built to 1/2.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mw 50%w 50%m	0.87
62.00	gocm 20%g 20%o 60%m	0.87
62.00	mcgo 5%g 75%o 20%m	0.87
40.00	go 10%g 90%o	0.56
0.00	332 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Slaw son Explortion

3-19-28 Lane KS

204 N Robinson Ave 2300
Oklahoma City, OK 73102

Shapland 1-3

Job Ticket: 66069

DST#: 2

ATTN: Austin Garner

Test Start: 2019.11.23 @ 13:43:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	mw 50%w 50%m	0.870
62.00	gocm 20%g 20%o 60%m	0.870
62.00	mcgo 5%g 75%o 20%m	0.870
40.00	go 10%g 90%o	0.561
0.00	332 GIP	0.000

Total Length: 226.00 ft Total Volume: 3.171 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

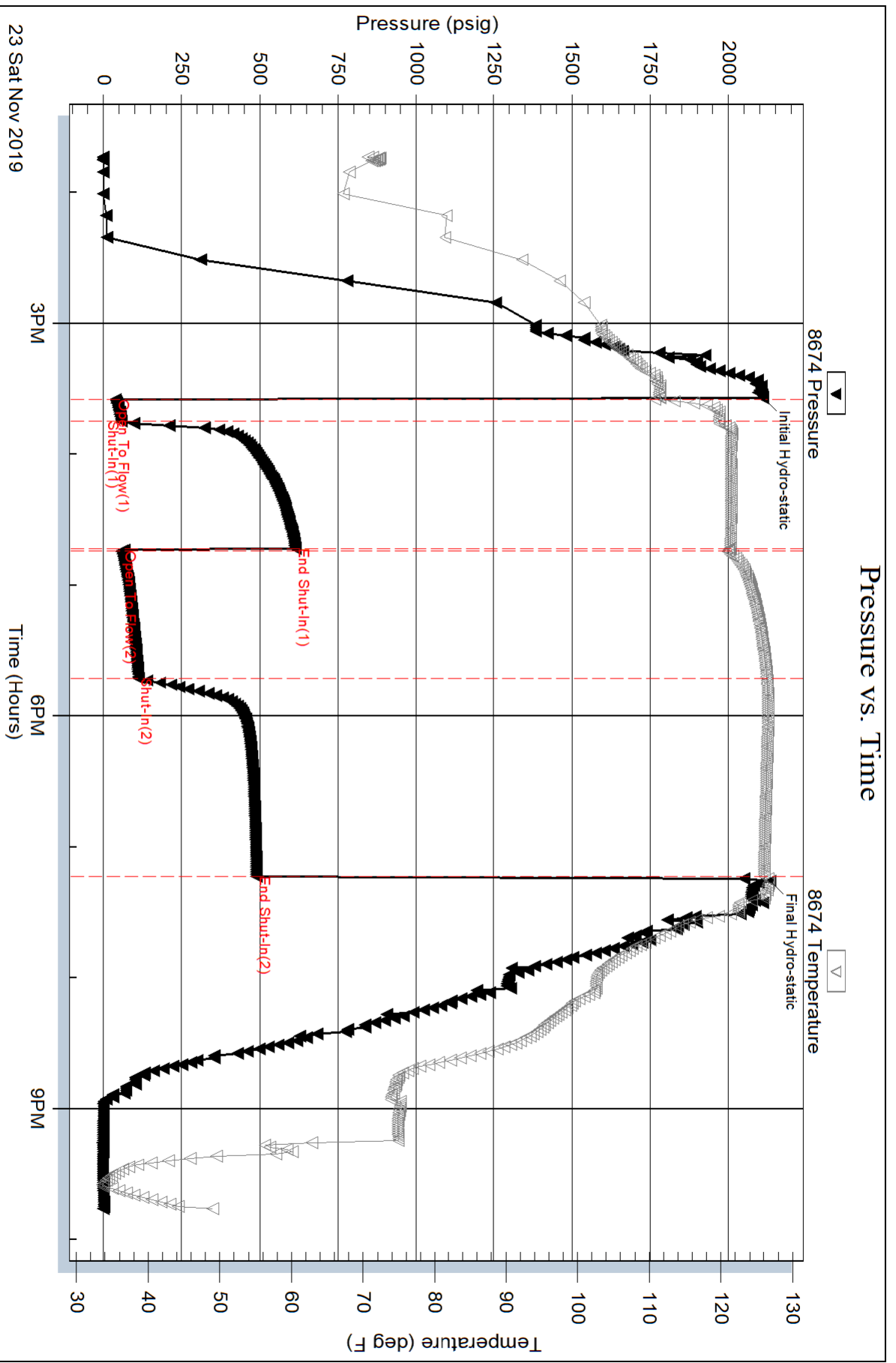
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 34@40=36

.04@42=32000



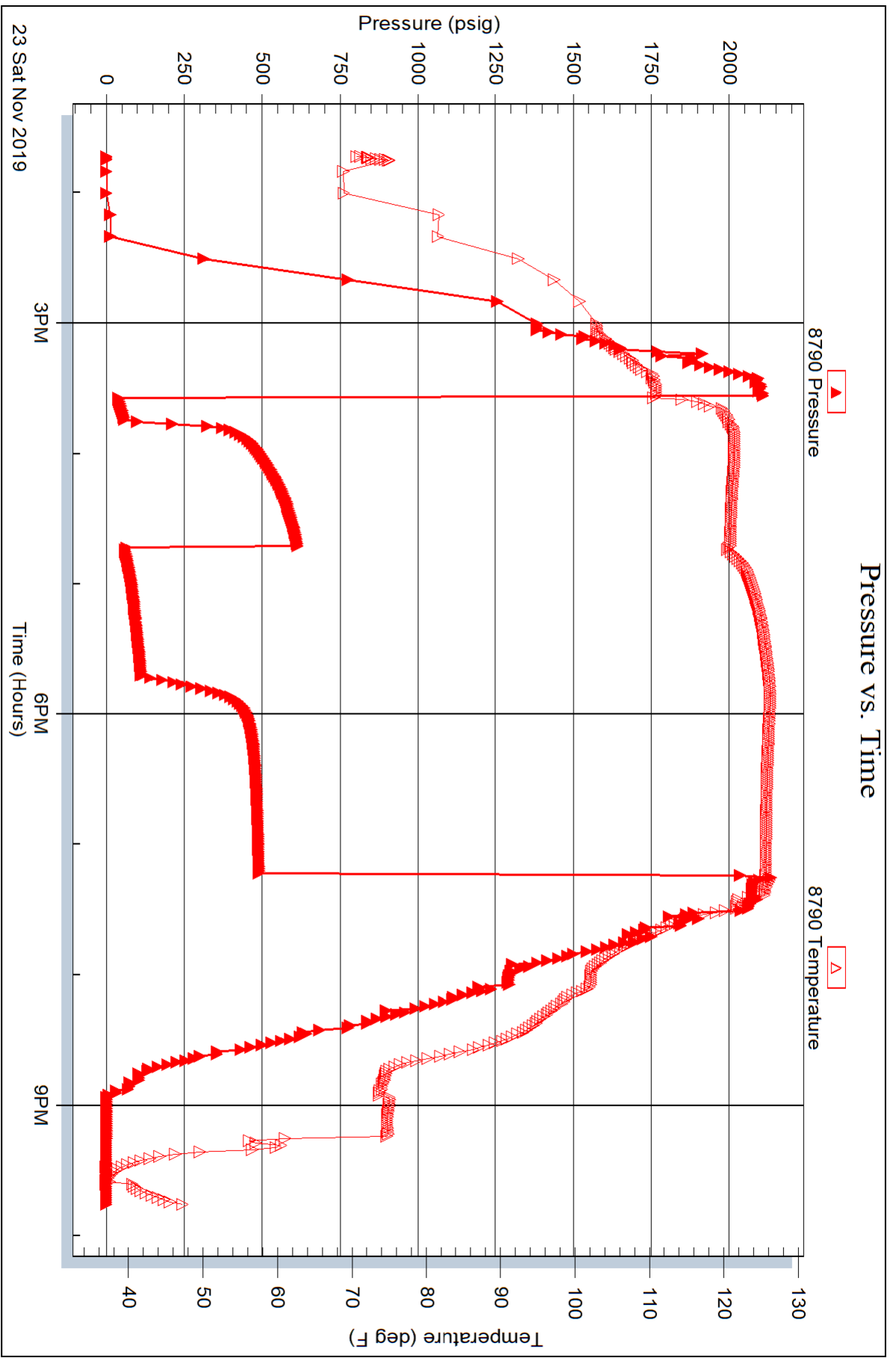
Serial #: 8790

Inside

Slaw son Exploration

Shapland 1-3

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Slaw son Explortion
 204 N Robinson Ave 2300
 Oklahoma City, OK 73102
 ATTN: Austin Garner

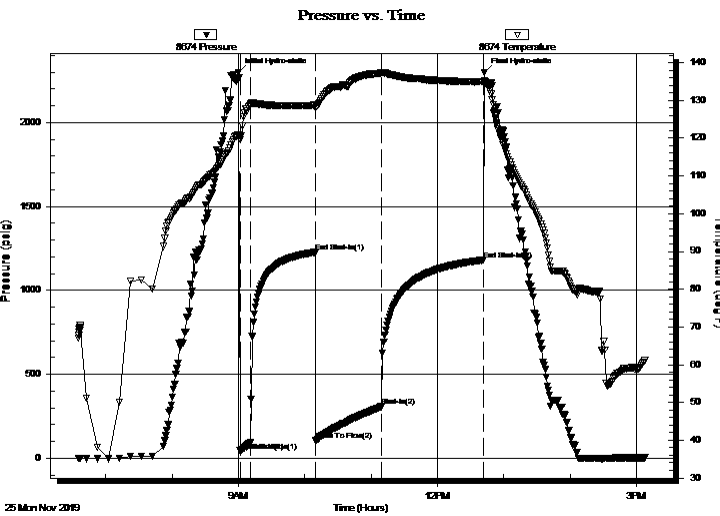
3-19-28 Lane KS
Shapland 1-3
 Job Ticket: 66070 **DST#: 3**
 Test Start: 2019.11.25 @ 06:35:27

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:01:57
 Time Test Ended: 15:07:57
 Interval: **4578.00 ft (KB) To 4644.00 ft (KB) (TVD)**
 Total Depth: 4644.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2760.00 ft (KB)
 2751.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 308.58 psig @ 4579.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.11.25 End Date: 2019.11.25 Last Calib.: 2019.11.25
 Start Time: 06:35:32 End Time: 15:07:57 Time On Btm: 2019.11.25 @ 08:59:57
 Time Off Btm: 2019.11.25 @ 12:42:27

TEST COMMENT: IF: BOB in 9 min. 11 1/2 10 min
 IS: No return. 60 min
 FF: BOB in 10 min. 60 min
 FS: No return. 90 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2298.91	120.97	Initial Hydro-static
2	43.63	120.43	Open To Flow (1)
11	94.25	128.83	Shut-In(1)
70	1227.16	128.70	End Shut-In(1)
70	105.35	128.16	Open To Flow (2)
130	308.58	137.28	Shut-In(2)
222	1180.96	134.87	End Shut-In(2)
223	2296.33	135.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 80%w 20%m	2.61
248.00	ocmw 5%o 55%w 40%m	3.48
206.00	ocw m 5%o 15%w 80%m	2.89

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Slaw son Explortion

3-19-28 Lane KS

204 N Robinson Ave 2300
Oklahoma City, OK 73102

Shapland 1-3

Job Ticket: 66070

DST#: 3

ATTN: Austin Garner

Test Start: 2019.11.25 @ 06:35:27

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	mcw 80%w 20%m	2.609
248.00	ocmw 5%o 55%w 40%m	3.479
206.00	ocw m 5%o 15%w 80%m	2.890

Total Length: 640.00 ft Total Volume: 8.978 bbl

Num Fluid Samples: 0

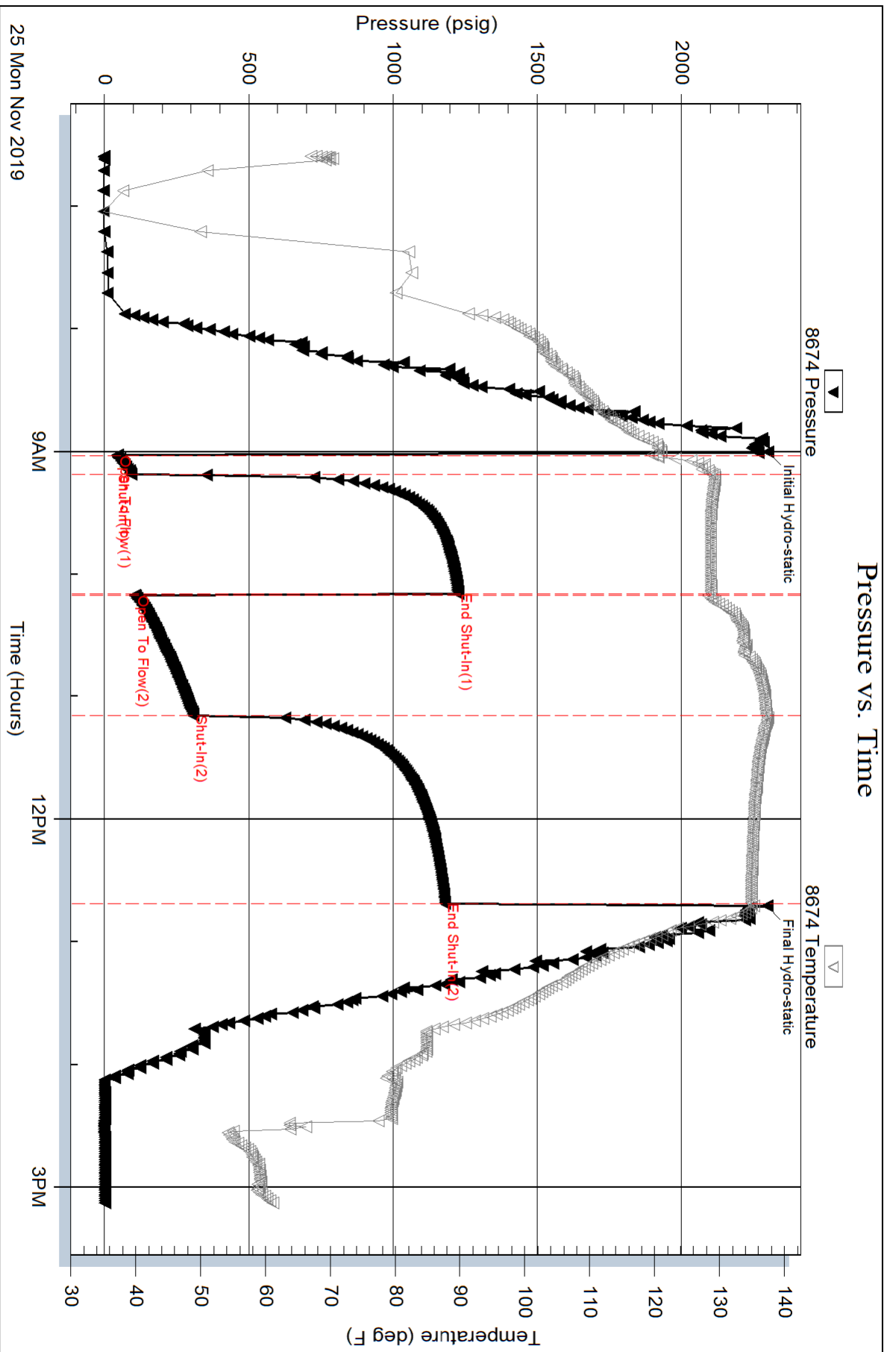
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .30@58=25000



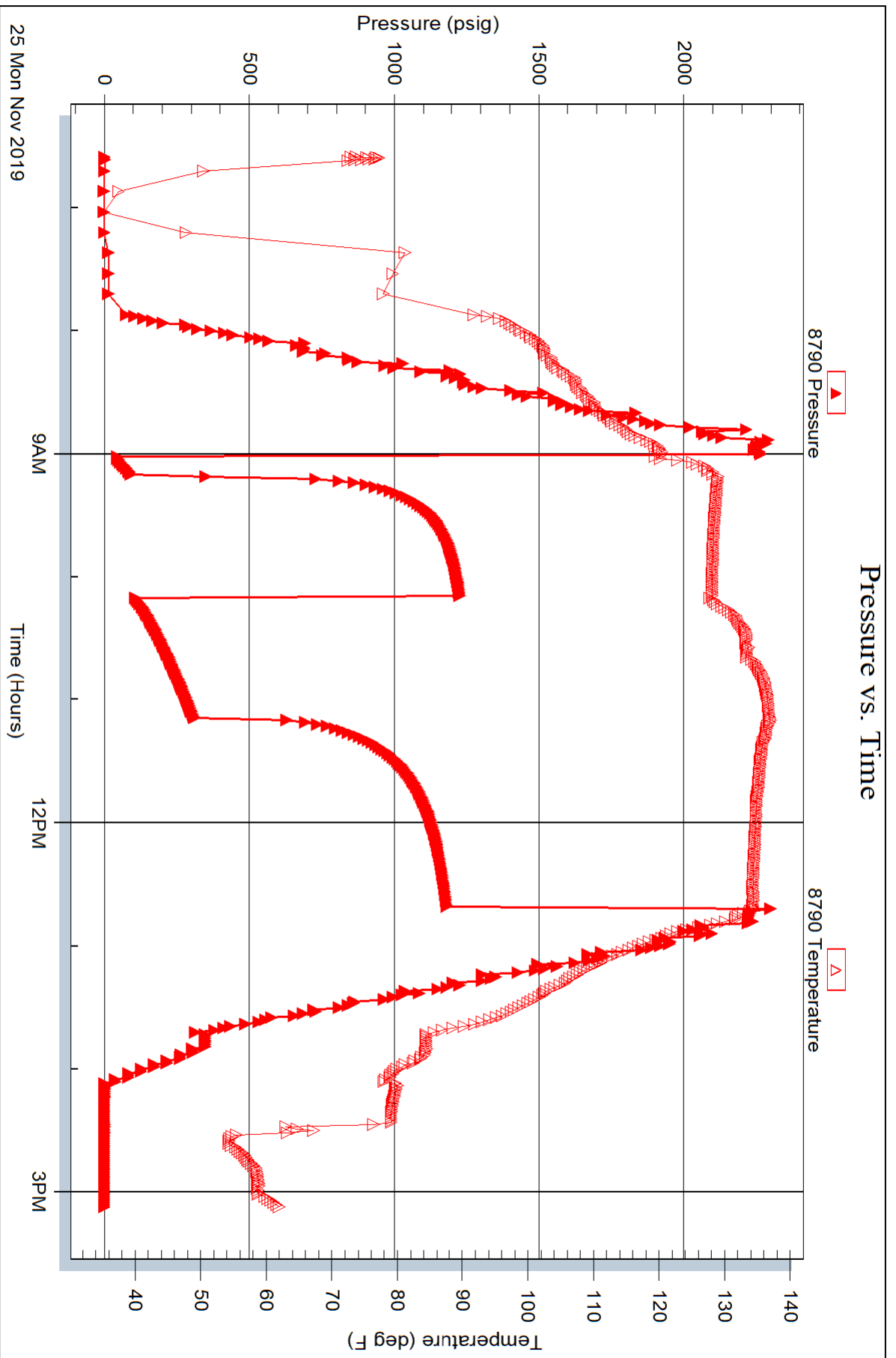
Serial #: 8790

Inside

Slaw son Exploration

Shapland 1-3

DST Test Number: 3



MBC WELL LOGGING LLC

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

Well Name: SHAPLAND 1-3 SLAWSON EXPLORATION CO INC.
 API: API 15-101-22639-00
 Location: LANE COUNTY, KANSAS USA
 License Number: 3988
 Spud Date: 11-16-19
 Surface Coordinates: 1962'fsl 1139'fwl SEC 3-T19s-R28w
 Bottom Hole Coordinates: ST-P WIRELINE RES , RTD TO SFC, CNL LS, MICRO LOG RTD TO 3,500ft
 Ground Elevation (ft): 2751 K.B. Elevation (ft): 3760
 Logged Interval (ft): 3500 To: 4672 Total Depth (ft): Elog4674
 Formation: MISS RTD --DECISION MADE TO PLUG & ABANDON
 Type of Drilling Fluid: MUDCO REID AKINS
 Region: WILDCAT
 Drilling Completed: 11-25-2019

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




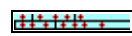
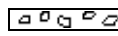




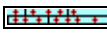







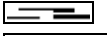

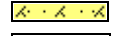
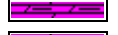
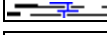






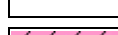





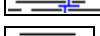
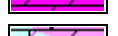

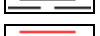
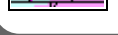


OPERATOR

Company: SLAWSON EXPLORATION CO INC
 Address: ATTN: DILLON DOZEZAL GEOL; OFF-(720) 259-6403
 1675 BROADWAY. STE 1600
 DEMVER COLORADO 80202

MUDLOGGER

Name: AUSTIN GARNER (620)655-2016
 Company: MBC WELL LOGGING LLC
 Address: 21156 RD 22
 MEADE, KANSAS 67864

ROCK TYPES

	Anhy		Ls & ooids		Sndy sh		Stgensndy-arkos
	Brec		Oolitic ls -1		Sltst-1		Sndy ool ls
	Cht		Stgensndy-arkos		Sltly-shale		Sndy-ls-1
	Coal		New ls-1		Lmy ss-1		Calc shale
	Congl		Carby shale		Arkosic snd		Granitewash
	Shly dolomite		Lmy carby sh-3		Ss		Ls shly-b
	Chty sndy shly dol		Carb sh		Grn sh strk		Poor sortd ss
	New symbol		Gyp		Grn mott gy sh		Snd-ls-sh
	Dolo new		Sltst		Lmy sh-2		
	New dolomite 20		Salt		Shale-1		
	Newdolo ls 2		Sndy sh--red		Red sh-1		

ACCESSORIES

LITHOLOGY

- Anhy
- Brec
- Cht
- Coal
- Congl
- Shly dolomite
- Chty sndy shly dolo
- New symbol
- Dolo new
- New dolomite 2012
- Newdolo ls 2
- Ls & ooids
- Oolitic ls -1
- Stgensndy-arkos
- New ls-1
- Carby shale
- Lmy carby sh-3
- Carb sh
- Gyp
- Sltst
- Salt
- Sndy sh--red
- Sndy sh
- Sltst-1
- Sltly-shale
- Lmy ss-1
- Arkosic snd
- Ss
- Grn sh strk
- Grn mott gy sh
- Lmy sh-2
- Shale-1
- Red sh-1

- Stgensndy-arkos
- Sndy ool ls
- Sndy-ls-1
- Calc shale
- Granitewash
- Ls shly-b
- Poor sortd ss
- Snd-ls-sh

FOSSIL

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

MINERAL

- Anhy

- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- New dolostringer
- Dol
- Fldspr-1
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Qtz
- New symbol
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Styolitic
- Slickenside

STRINGER

- Anhy
- Red sh stringer
- Arg
- Bent
- Coal
- Dol
- Gyp
- Oolls-1
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Grn sh strk

TEXTURE

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

OIL SHOW

- Even
- Spotted
- Ques
- Dead

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal

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

STRINGER

- Anhy
- Red sh stringer

- Arg
- Bent
- Coal
- Dol
- Gyp
- Oolls-1
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Grn sh strk

OIL SHOW

- Even
- Spotted
- Ques
- Dead

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

INTERVAL

- Core
- Dst

EVENT

- Rft
- Sidewall

DSTs

TRILOBITE TESTING, BRANDON GURLEY

DST# 1 4227-4246

DST #2 4280-4337

DST #3 4578-4644

Curve Track 1		Depth	% Lithology	Porosity	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5	
ROP (min/ft)	Gamma (API)							TG (Units)	C1-C5 (units)
0	0	10	34					0	100
		150					UNIT RIGGED UP 3220'		
							85/8" SFC 266, DRILLING W/BIT#2 77/8" BUTTON SMITH FH244, 3/14'S JETS, IN 266ft, MBC RIGGED UP, AUSTIN ON LOCATION 3200ft		
							DEV		
							266 3/4*		
							1013 1/4*		
							1756 1/2*		
							2502 2/4*		

2302 3/4
3248 3/4*
4246 3/4*
4472

TOP ANHY 2109' +651

MBC ANALOG HOTWIRE
@RIG ROOSTER IR
COMPUTER GAS UNIT # 1
WWW.RIGROOSTER.COM

BASE ANHY 2135' +625

DISPLACE MUD
3383 W/729BBLs MUD

TOTAL GAS
<<00-100u>>

3561
MUD CHECK
WT 8.6
VIS 48
PV 18
YP 14
GEL 8/22
PH 11.5
FIL 5.6
ALKFIL 2.4
CHL 1,600
CAL 10
SOL 2
LCM 2

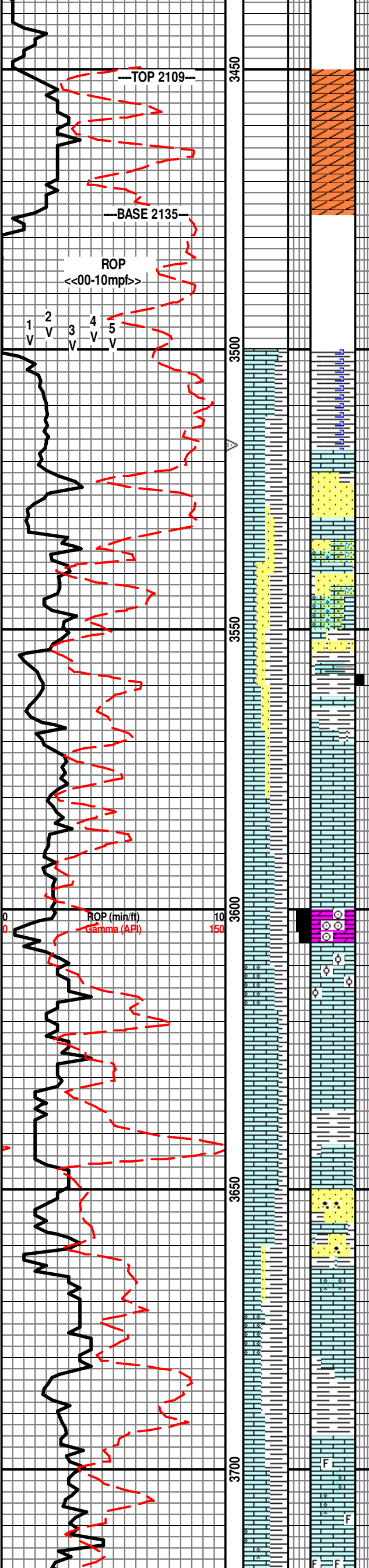
GYCOL LINES
DROP 60Z BULK
CARBIDE 3556,

ADJUST EXTRACTOR

TG, C1-C5

BGG 13-18u

C1 DROPOUT



LMY GY DK GY SH, MICA, SME SLTY
SNDY, MICR GLAU, SME CARB SPKS

LS; BRN TN VF BIOSPARITIC/VFOOL,
IP, N/O MFNSOC

SS; OFF WH SLI GY, MED TO HDTT,
V/SLO CRLC, MICRO CARB, TR PYR,
MICA, NFSOC N/O

WAB. 3531-771ss

LS; TN RGT XT, COMNGLD GRN
CLAY, TR MICRO OOL, QTZ CNTR,
ABDT OLIVE GRN SMO PLATY SH, N/O,
MFNSOC INTBD SS STRINGERS

SH; GY DKS GY BLKY SME GR, TR
BLK PYRITIC

LS MED TO LT TN XLN, FOSS
FRGRTL, SME CHLKW/FOSS FRGS,
INCRS VF PELL, MICRO BRN CARB
MATL,N/O, PURP TO FAINT GOLD
MFNSOC

LS; LT BUFF/TN, VF FOSS IP, SME
BRN LM MUD W/FOSSFRGS, BRN
FOSS XLN W/GY PELL, N/O, FANIT
GOLD FLOR NSOC

SLI GY VF XTL CRINOIDAL DOLO,
INCRS TO HD XLN FOSS/OOL HASH,
PYR SME CHLKY OOL, N/O, PURPL TO
AMBER MFNSOC

LS; DK GY BRN HDD XLN, TRAE FOSS
& FOSS FRGRTL, SME COMNGLD GY &
CRM CHLKY W/ABDT PELL, N/O
PURPL DK AMBER MFNSOC

DK BRN HD DNS XLN, FOSS LS
W/GLAU, INTBD GRN CLAY NO SHOW

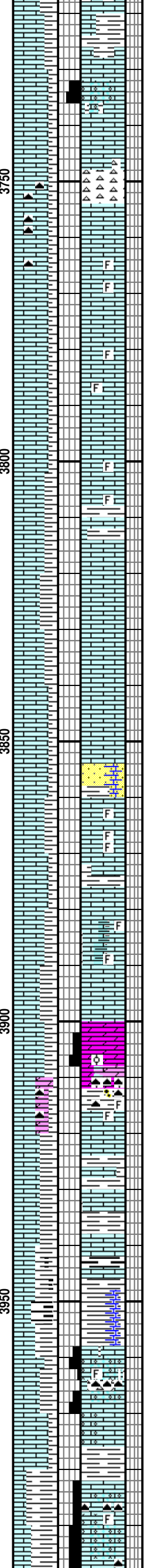
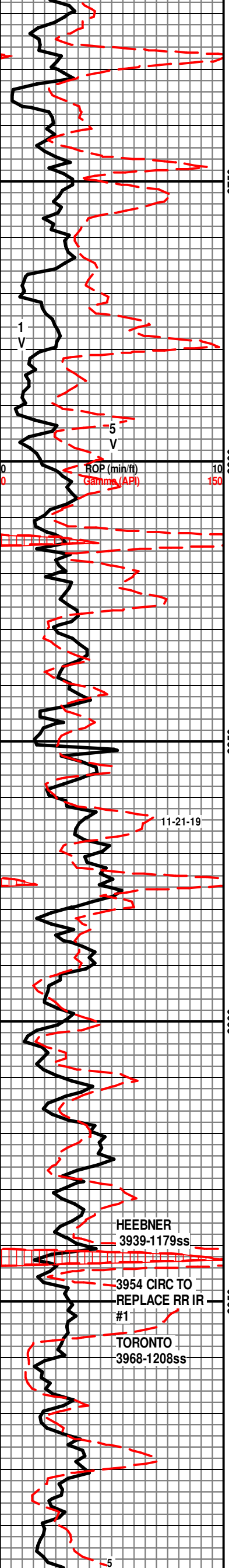
TR ;LT BRN VF GR V/SHLY MICA SS
NO SHOW TR HD ANG CLR TO
OPAQ QTZ W/INTGR RED SH NO
SHOW

LS; DIRTY GY BRN HD SHLY XLN
FOSS, SCATT BRN VF SLTY SNDY NO
SHOW

DK GY RGH SLTY LMY SH

TOPEKA 3696-936ss

LS; PALE GY BRN-BUFF, WEATHD
APPR, CHLKY IP, SHDW FOSS,, BRN
CARB SCATT, INCRS HD DNS XLN
BRN/BUFF, FOSS, TR MICRO OOL,
N/O, SCATT MED YEL MFNSOC



ASH GY SH SME BLK CARB SME DK BRN W/ BRN NOD

CHLK SLI GY BRN SME DK BRN SFT SHDW VF OOL, N/O, NO SHOW

CHT; GY LT GY BLKY ANG MICRO FOSS & SPICULES, NO SHOW

LS; DK VRM-BUFF, WEATHD APPR, CHLKY, FOSS FRGS, SME CRM/WH CHLK, FREE FUS/FOSS, NO SHOW, NO VIS POR

DK BRN HD DNS XLN FOSS LS

LS; MED BRN RGH TXT, GRITTY BRTL, SHDW FOSS, NO SHOW

LS; DK BRN TN HD XLN SME SH CLST, SHDW FOSS, NO SHOW

SH; DK GY SME SLI GRN SPLNTY TR BLK CARB

LS; CRM BRN RGH TXT, WETHD APPR, SME DNS FOSS HASH

LS; LT GYWH SLI TN HD DNS XLN, NO SHOW

CRM/BRN CHLKY LS W/SHDW OOL, INCRS P/SRTD GY PELL & OOL, N/O SME YEL MFNSOC

SS/SLTST, V/LT GRN TINT WH VF GR, SFT, LMY GRDS TO AREN LS NO SHOW

LS; LT GY WEATHD APPR, FOSS FRGRTL, SHLY IP, SME CRM P/SRTD SHDW OOL & FOSS, N/O, SSCATT GOLD MFNSOC

SH DULL GY LMY, SME BRN, SME GRN TR RED BRN

LS; TN LT TN HD XLN FOSS NO SHOW

DOLO & DOLOMITIC LS. LT BUFF RGH GRITTY WEATHD TEXT, SHDW VF-F OOL, SME PP VUG POR, N/O, DK GOLD MFNSOC

CHT; LT GY SEMI TRIP, MICRO FOSS HASH NO SHOW

SH GY LT GY SEMI SMO TO SPLNT, SME GRN

LS; TN HD RGH TXT, DK BRN D.O.S. BLK FLOR N/O, NO SHOW

HEEBNER 3939-1179ss

SH; BLK CARB

SH; SLI GRN -GY, GY, LMY, PYR

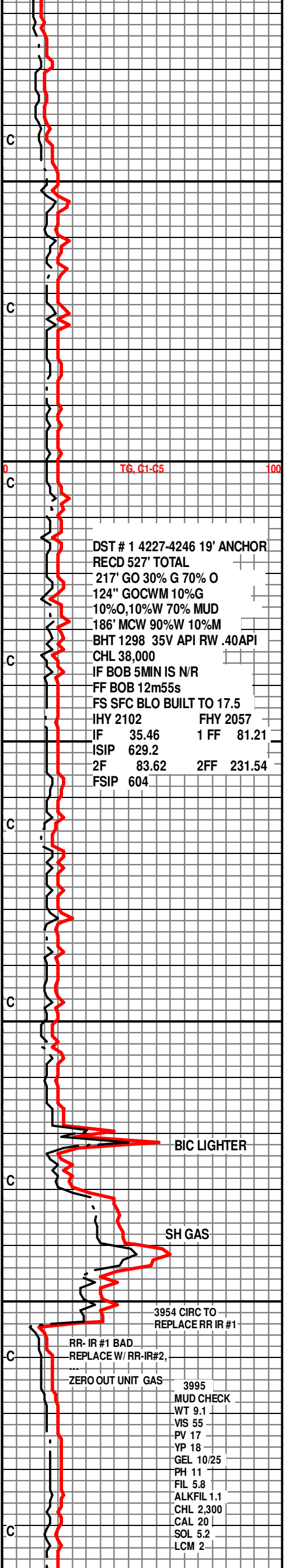
LS; PALE TN RGH TXT SHDW VF OOL, SME SPAR REPLCD FOSSTUBES, ABDT CRM WH CHLK, SME CLR TO MILKYWH CHT, ANG N/O, DK AMBR MFNSOC

SH; BLK SPNTY CARBY W/PYR-FOSS, TR MOTT GRN TR MAROON, TR DK GY

LANSING 3980-1220ss

TR CRM/CLR VF SPARITIC CLSTR

LS; LT CRM/BUFF WEATHD APPR, SHDW VF OOL I.P. SLI CHLKY



TG, C1-C5 100

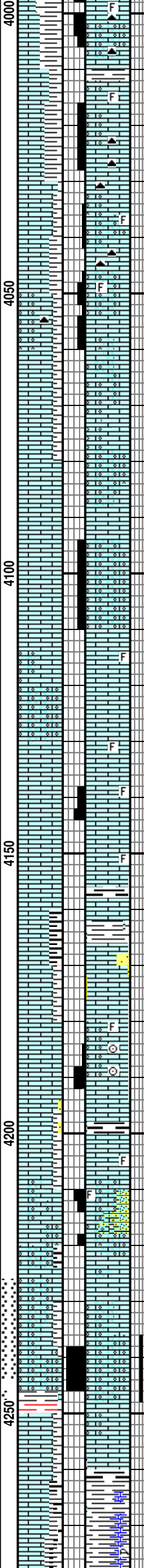
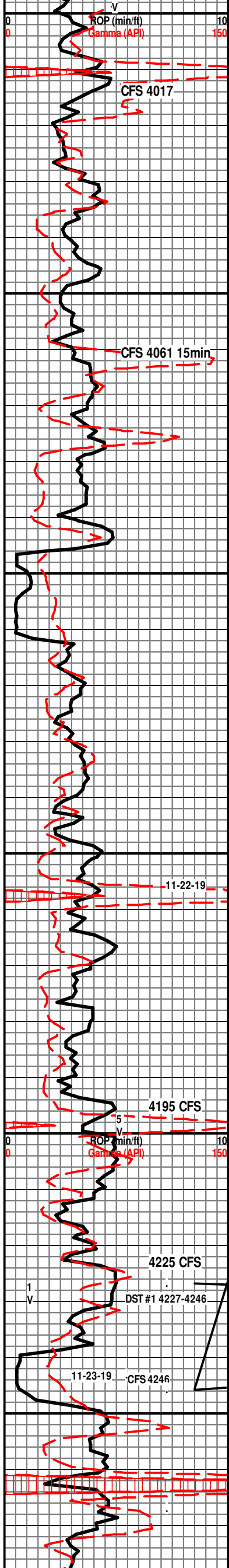
DST # 1 4227-4246 19' ANCHOR RECD 527' TOTAL
 217' GO 30% G 70% O
 124" GOCWM 10%G
 10%O, 10%W 70% MUD
 186' MCW 90%W 10%M
 BHT 1298 35V API RW .40API
 CHL 38,000
 IF BOB 5MIN IS N/R
 FF BOB 12m55s
 FS SFC BLO BUILT TO 17.5
 IHY 2102 FHY 2057
 IF 35.46 1 FF 81.21
 ISIP 629.2
 2F 83.62 2FF 231.54
 FSIP 604

BIC LIGHTER

SH GAS

3954 CIRC TO REPLACE RR IR #1

RR- IR #1 BAD REPLACE W/ RR-IR#2,
 ZERO OUT UNIT GAS
 3995
 MUD CHECK
 WT 9.1
 VIS 55
 PV 17
 YP 18
 GEL 10/25
 PH 11
 FIL 5.8
 ALK FIL 1.1
 CHL 2,300
 CAL 20
 SOL 5.2
 LCM 2



W/FOSS, ABDT VIT CONCOR FRAC, ANG, CHT SME SW/ TRACE FOSS, N/O, AMBR W/SCATT WEAK YEL MFNSOC, NO OIL SHOW

LS; LT TN PRED RGH WEATHD APPR, P/SRTD VF F OOL SME FOSS SHLTER, SME BIOSPARITIC//F-OOL, PYR, HD DNS IP, W/WH VIT ANG CHT W-OOL & FOSS, N/O, PURPL SME YEL MFNSOC

LANSING C 4038-1278ss

LS; LT BUFF, DULL LUSTRE, BIOSPARITIC//F-OOL, MED RIM COAT, TR CHOR, INCRS WEATHD APPR CHLKY W/OOL, SME TNISH ANG SEMI VIT FOS CHT, PINKISH CRM CHLK, N/O, MED YEL MFNSOC

LANSING D 4064-1304ss

DK TN HD DNS XLN LS

LS; LT BUFF TO LT TN, HD DNS VF XLN SPARITIC OOL & FOSS HASH, CRM WH CHLK, N/O WEAK GOLD MFNSOC

LANSING G 4094-1334ss

LS; TN, LT BRN SUGARY P/SRTD VF TO LWER MED OOLCAS, TR FOSS SHLTR, VIT CHT W/IMBD OOL, ABDT CRM-WH CHLK, N/O FAINT GOLD MFNSOC

LS; TN, LT TN HD DNS XLN LITH IP, FLAKY FRAC, TR COMNGLD CHLK, N/O, LT PURP W/SME WK YEL MFNSOC

LS; MED TN CRYP XLN SME SHDW FOSS, CHLK EDGES & COMNGLD CHLK, N/O PRED PURPL FLOR NSOC

**MUNCIE CRK 4156-1396ss
ELOG 4157-1397ss**

BLK FLAKY CARB SH

DK GY HD TT VF GR SHLY SS, V/SLI CALC NO SHOW

**LANSING H 4170-1410ss
ELOG 4170-1410ss**

LS; CRM BUFF TN BRTL XLN IP, CHLKY IP, SME SHDW F-OOL, SPAR CMTED, TR FREE CRIN, N/O, DK GOLD MFNSOC

GY TR BLK SH

DK BRN TN HD DNS XLN FRAC LS NO SHOW

**LANSING I 4206-1446ss
ELOG 4206-1446ss**

LS; BUFF RGH TXT F TO MED SHDW OOL, & MICRO FOSS.SME CLSTRS W/VF QTZ, CRM CHLK, N/O PURPL W/ FAINT GOLD TINGE TO FAINT GOLD MFNSOC

**LNSG J POR 4233-1473ss
ELOG 4238-1478ss**

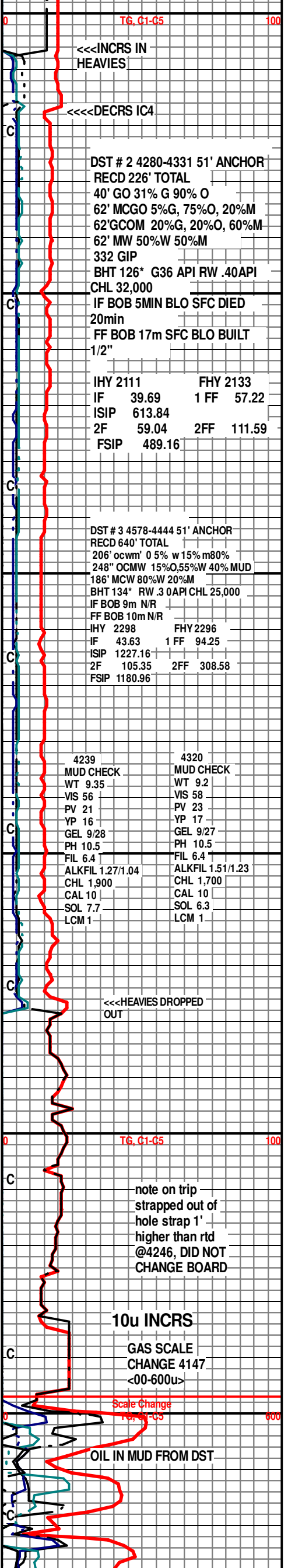
LS; BUFF TO LT TN SLI SUGARY P/SRTD VF MED OOLCAS, IMBD VF F OODS, SME POSS CHLK FILL, SME MED CRIN, MUCH FREE DK BRN VF TO LWR MED OIL,, SPTCHY STNG, PP TO LEACDED POR STREAKY, STRONG SOUR ODOR, FLASH MILKY STRMG CUT, BRITE BLU/WH SLI GRN TINT, HEAVYBRITE YEL-SLI GRN RESID CUT

**STARK 4258-1498ss
ELOG 4662-1502ss**

BLK FLAKY CARB-SME COALY SH, INCRS GY

GYISH BRN BLKY LMY SH

LANSING K 4269-1509ss



DST # 2 4280-4331 51' ANCHOR RECD 226' TOTAL
40' GO 31% G 90% O
62' MCGO 5%G, 75%O, 20%M
62'GCOM 20%G, 20%O, 60%M
62' MW 50%W 50%M
332 GIP
BHT 126* G36 API RW .40API
CHL 32,000
IF BOB 5MIN BLO SFC DIED
20min
FF BOB 17m SFC BLO BUILT
1/2"

IHY 2111	FHY 2133
IF 39.69	1 FF 57.22
ISIP 613.84	
2F 59.04	2FF 111.59
FSIP 489.16	

DST # 3 4578-4444 51' ANCHOR RECD 640' TOTAL
206' ocwm' 0.5% w 15% m80%
248" OCMW 15%O,55%W 40% MUD
186' MCW 80%W 20%M
BHT 134* RW .3 OAPI CHL 25,000
IF BOB 9m N/R
FF BOB 10m N/R
IHY 2298 FHY 2296
IF 43.63 1 FF 94.25
ISIP 1227.16
2F 105.35 2FF 308.58
FSIP 1180.96

4239 MUD CHECK	4320 MUD CHECK
WT 9.35	WT 9.2
VIS 56	VIS 58
PV 21	PV 23
YP 16	YP 17
GEL 9/28	GEL 9/27
PH 10.5	PH 10.5
FIL 6.4	FIL 6.4
ALKFIL 1.27/1.04	ALKFIL 1.51/1.23
CHL 1,900	CHL 1,700
CAL 10	CAL 10
SOL 7.7	SOL 6.3
LCM 1	LCM 1

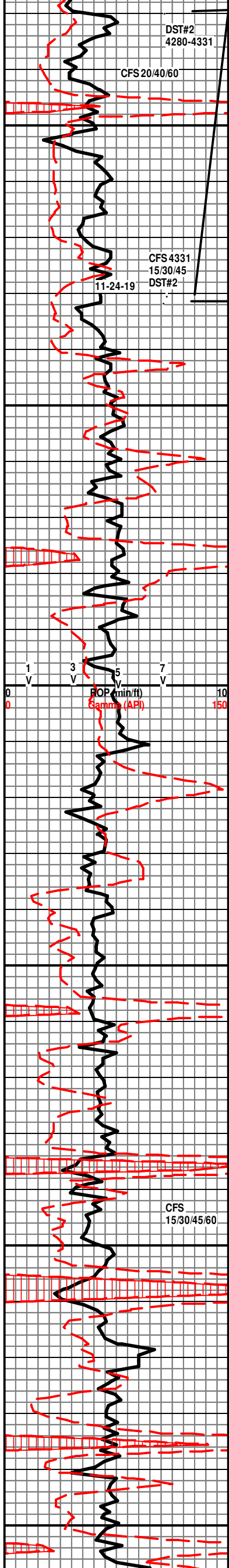
note on trip
strapped out of
hole strap 1'
higher than rtd
@4246, DID NOT
CHANGE BOARD

10u INCRS

GAS SCALE
CHANGE 4147
<00-600u>

Scale Change
10, 51-05

OIL IN MUD FROM DST



ELOG 4272-1512ss
LS; PALE TN HD DNS XLN WH SEMI VIT MICRO FOSS CHT

TRACE LS, LT BRN VF GRITTY WEATHD APPR, MICRO OOL IP INTR GRN POR, BLK FLOR, V/SLI THIN RING CUT ON DRY PCE

LS GY TN HD DNS FRAC XLN, SME FOSS
BLK CARB SH
LS; DK BN TN HD DNS XLN

LANSING L 4303-1543ss
E-LOG 4302-1542ss
LS; LT BUFF, DK BRN TN OVER-ALL OIL STNG, VF SUGARY CORAL, LEACHD, SME P/SRTD RD TO ELIP OOL, BRITE TO MED YEL GOLD FLOR, NO FREE OIL NO ODOR, FLASH MILKY BECMG STRM CUT HEAVY BRITE YEL GOLD RESID CUT

BLK SH

BKC 4340-1580ss
E-LOG 4342-1582ss
LS; BRN TO GYISH BRN HD DNS XLN, SCATT VF PELL, PYR, MUCH FOSS VIT TO SEMI VIT CHT,

LS; DK BRN TN HD XLN SME CHLK EDGES, & COMNLGD CHLK, INCRS BRNISH W/SME VF SHDW OOL,

MARM 4370-1610ss
E-LOG MARM 4372-1608ss
LS; BUFF TO TN PRED HD DNS XLN W/VF OOL & MICRO FOSS, CRM WH CHLK

SH; GRN- GY GRN, BLK, V/SFT CALC TO LMY, SME GUMMY

LS; MED TN
SH LT GY SFT LMY SME HD SLTY SNDY LMY

SH; GY MED GY BLKY RGH TXT LMY SLTY IP

LS; TN WH TO DK TN HD DNS XLN NO SHOW

LS; SLI CRM WH TN WEATHD APPR, F XLN FOSS DEBRIS, TR VF OOL, VF CLR CALCITE FRAC FILL MFNSOC NO SHOW

SH; DK GY TO MAROON GRN TR SLTY SNDY

LS; LT TN HD DNS XLN TR SHDW VF OOL, FOSS IP, CRM WH CHLK, PURPL TO DK GOLD MFNSOC

SH; BLK TO DK GY

ELOG PAW 4466-1704ss

LS; TN CRYP XLN TO WEATHD APPR SHDW VF OOL, WH VF OOL CHT, NO SHOW

SH; BLK CARB SME GRN

E-LOG MKS 4492-1732ss

LS; PALE BUFF WH HD XLN SME W/ SHDW VF OOL, SILIC REPLCD TUBES, ABDT SEMI VIT CHT, PURPL SME DK GOLD MFNSOC

SH; BLK SFT TO F RM CARB, PYR SME GRN W/PYR

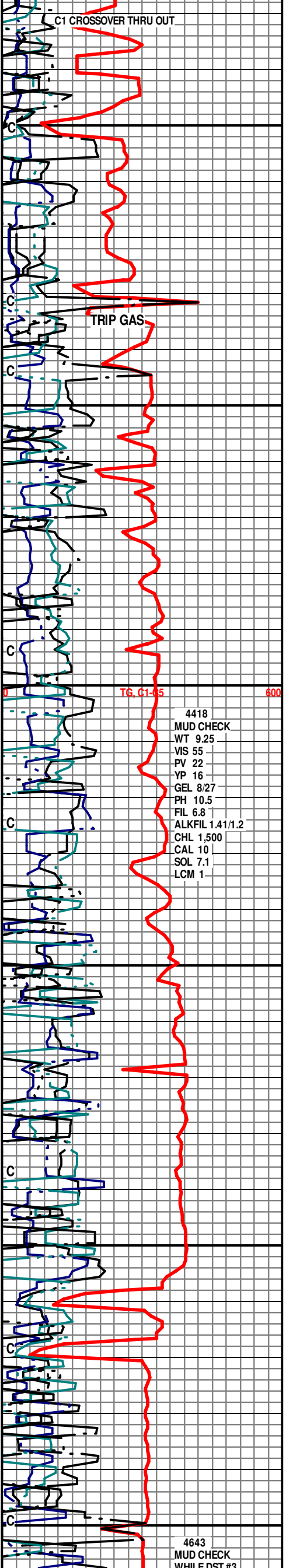
FT SCOTT 4510-1750ss
E-LOG 4513-1753ss
LS; DK TN HD DNS BIOSPARTIC//P/SRTD OOL, HEAVY RIM COAT, NO SHOW

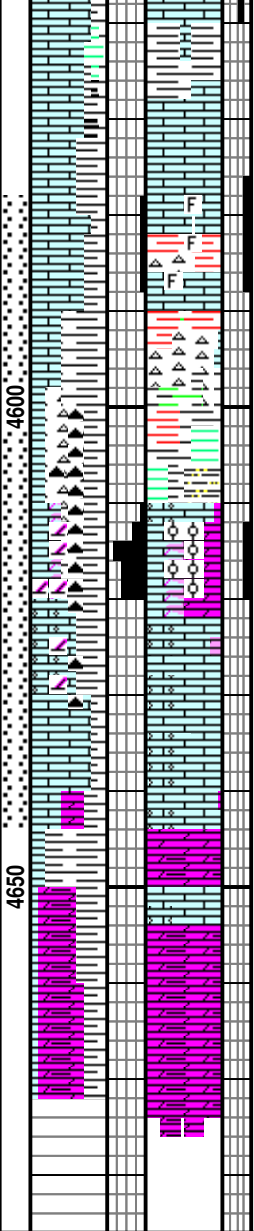
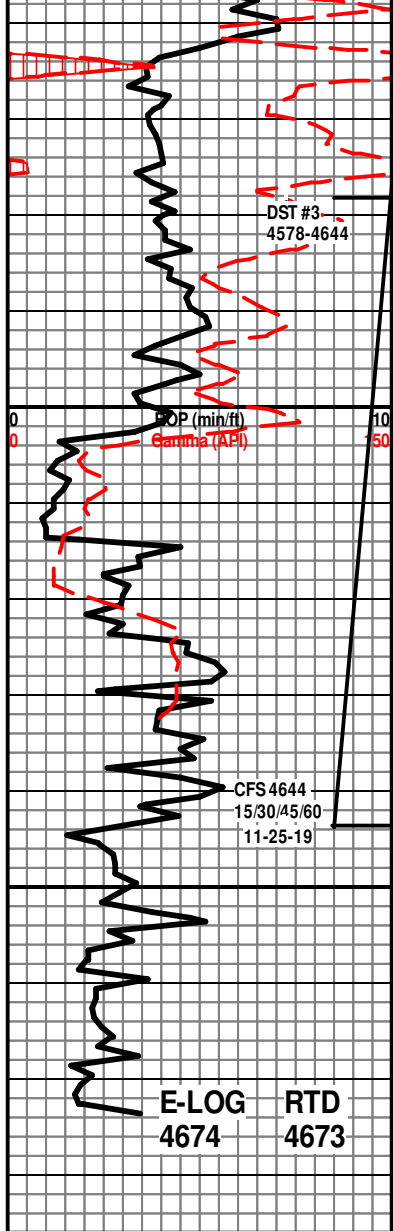
LS; LT TN HD DNS SHDW VF OOL, CHOR, SME CHT, IN CRS BRN HD W/XLN TN F-OOL, SME SUCRS MATRIX, P/SRTD GY PELL, NO SHOW

CHEROKEE 4537-1777s
E-LOG 4535-1775ss
SH BLK TO SFT GRN

LS; DULL TN BUFF HD DNS TR W/SHDW VF OOL, FOSS FRGS, N/ GOLD MFNSOC

LS; PALE TN DULL LUSTR V/HD DNS MICRO FOSS DEBRIS, TRCTM/DNA GYKTOUY MICRO





FOSS DSEBRIS, TR STN (DRY) SKETCHY, N/O SLO MILKY BECMG THIN STGRM ON DRYPCES, NO VIS POR
SH; GRN SFT SME BLK

LS; PALE BUFF WH WEATHD APPR, W/SHDW MICRO FOSS TO TN HD XLN W/FOSS, SME CALC-EDGES, CRM WH CHLK W/SCATTBRN PP TO INTR FOSS D.O.S. TR BITM BLK W/FAINT GOLD TINGE TR MED GOLD N/O SLOW MILKY CUT ON SME PCES--DRY

SH; PRED GRN SMO TO GY, BLK, SME RED TO RED BRN
4590+ CHT MILK WH WH OPAQ, VIT ANG IMBD FOSS TR OOL,

E-LOG MISS 4603-1843ss

DOLO/ & DOLO--LS, TN SME GY VF IMBD VF OOL TR CRIN, OLLC, IP, SCATT INTR VUG & FOSS V/LT BRN STRKY STNG, EST 8-10% VUG POR & LEACHED, FNT GOLD TR BRITE GOLD FLOR, N/O FLASH V/THIN MILKY CUT BECMG V/THIN STRMERS

LS; BUFF WEATHD APPR SLI CHLKY W/OOL & FOSS TO TN HD XLN IMBD CRS PYR, CLR TO OPAQ VIT ANG CONCORD FRAC CHT N/O MFNSOC

DOLO; TN OOL ABDT CRM WH CHLK, NO SHOW

DOLO DIRTY GY SHLY TGO GY TN HD RGH XLN, W/SCATT OOLL & FOSS, N/O MFNSOC

DOLO GY DULL SHLY W/SCATT PELL, & FOSS PCES, TR CHT, VF FOS DEBRIS, N/O, PURPL OCC FAIANT GOLD MFNSOC

THANKS FOR USING
MBC WELL LOGGING
AUSTIN & MARLA GARNER

