

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 Ste 2300
 Oklahoma City, Ok 73102
 ATTN: Austin Garner

2-18s-28w Lane Ks
Reifschneider 1-2
 Job Ticket: 66074 **DST#: 1**
 Test Start: 2019.12.05 @ 21:14:58

GENERAL INFORMATION:

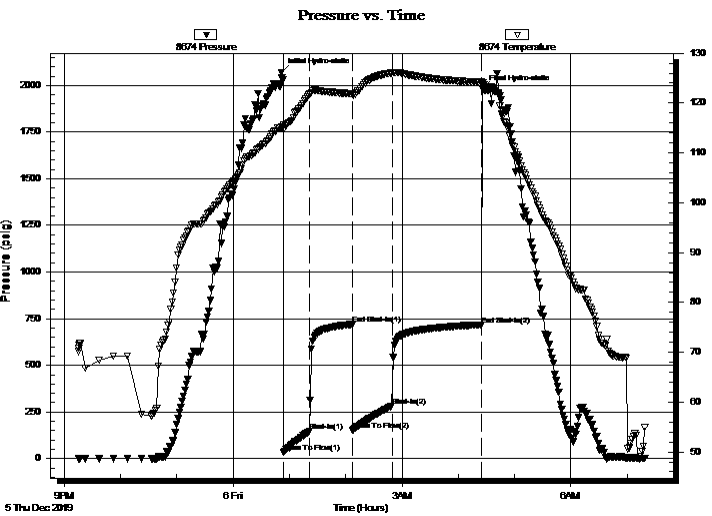
Formation: **I-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:53:58
 Time Test Ended: 07:18:58
 Interval: **4185.00 ft (KB) To 4249.00 ft (KB) (TVD)**
 Total Depth: 4249.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2724.00 ft (KB)
 2715.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8674

Outside

Press@RunDepth: 282.82 psig @ 4190.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.05 End Date: 2019.12.06 Last Calib.: 1899.12.30
 Start Time: 21:15:03 End Time: 07:18:58 Time On Btm: 2019.12.06 @ 00:51:28
 Time Off Btm: 2019.12.06 @ 04:25:58

TEST COMMENT: IF: BOB in 10 min. 22
 IS: No return.
 FF: BOB in 15 min. 24
 FS: No return. 30-45-45-90



PRESSURE SUMMARY

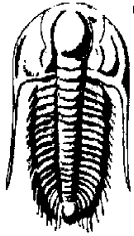
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.72	115.14	Initial Hydro-static
3	35.32	114.75	Open To Flow (1)
30	144.65	121.74	Shut-In(1)
76	718.96	121.85	End Shut-In(1)
76	152.07	121.63	Open To Flow (2)
118	282.82	126.02	Shut-In(2)
213	717.33	124.21	End Shut-In(2)
215	1979.99	124.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	mcw 70%w 30%m	3.48
186.00	nw 50%w 50%m	2.61
155.00	w cm oil spots 20%w 80%m	2.17

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Slaw son Exploration

2-18s-28w Lane Ks

204 N Robinson Ave Ste 2300
Oklahoma City, Ok 73102

Reifschneider 1-2

Job Ticket: 66074

DST#: 1

ATTN: Austin Garner

Test Start: 2019.12.05 @ 21:14:58

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:

32000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	mcw 70%w 30%m	3.479
186.00	mw 50%w 50%m	2.609
155.00	wcm oil spots 20%w 80%m	2.174

Total Length: 589.00 ft Total Volume: 8.262 bbl

Num Fluid Samples: 0

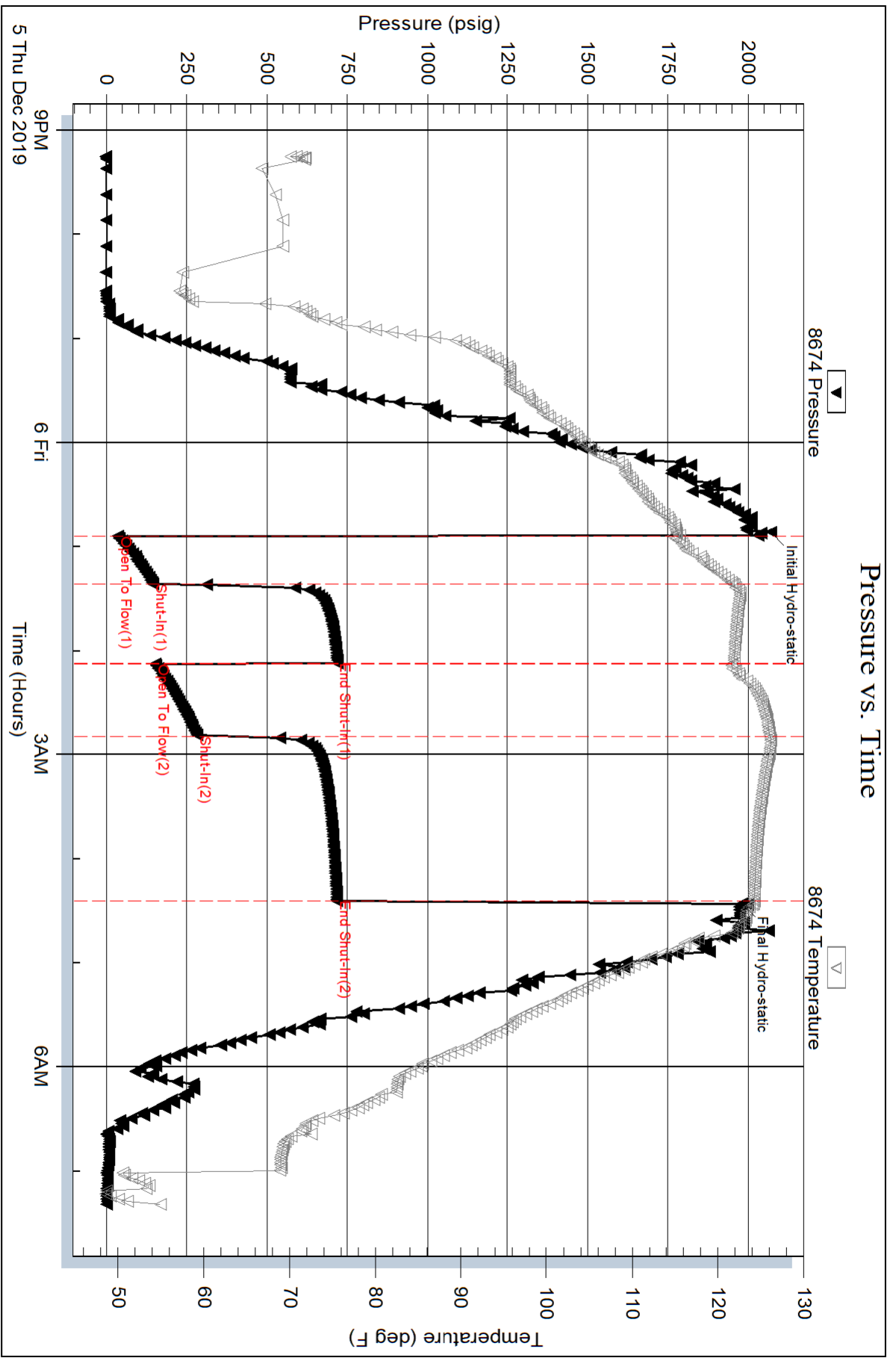
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .40@41=32000



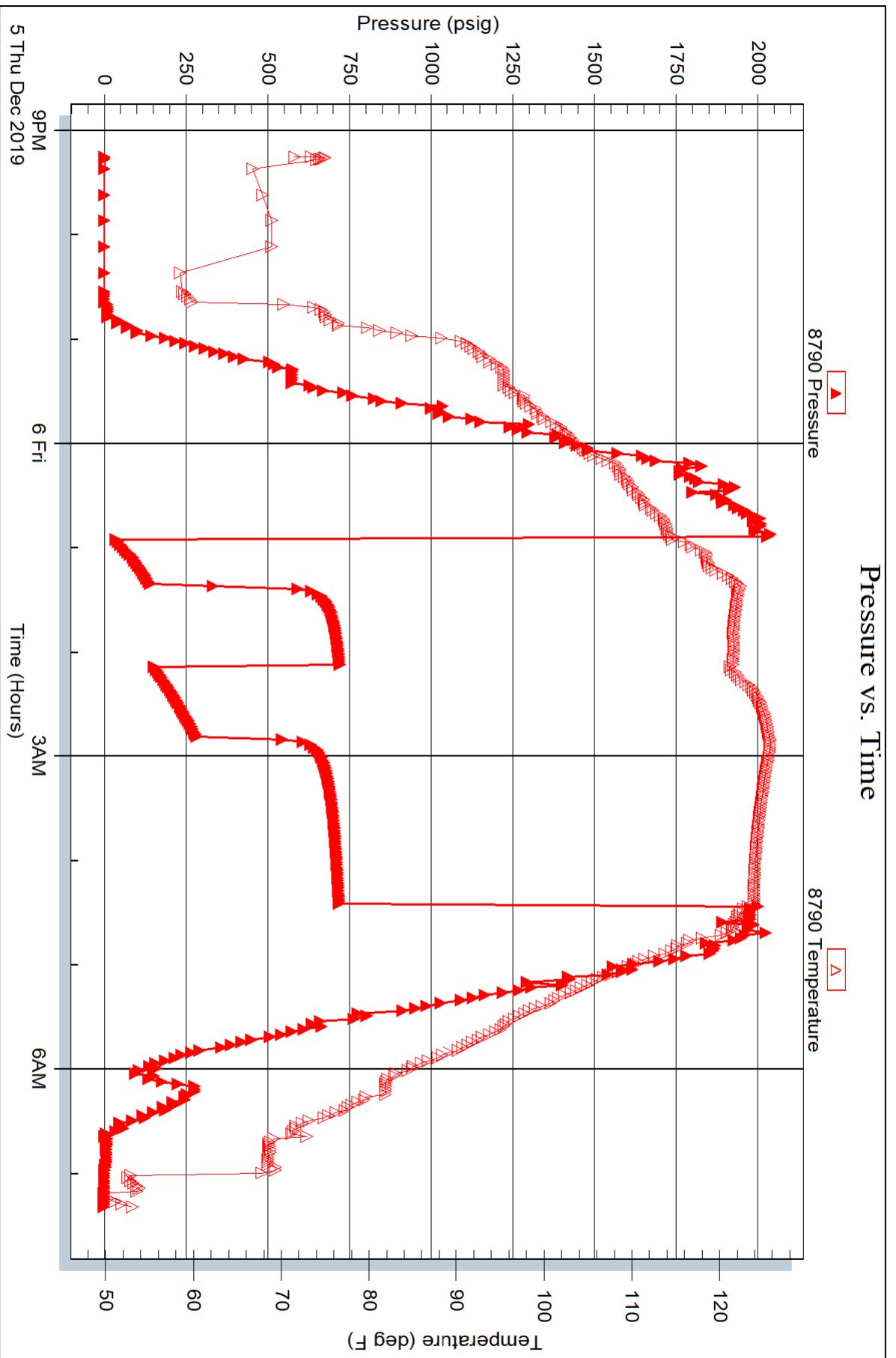
Serial #: 8790

Inside

Slaw son Exploration

Reifschneider 1-2

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

2-18s-28w Lane Ks
Reifschneider 1-2
 Job Ticket: 66075 **DST#: 2**
 Test Start: 2019.12.06 @ 17:29:04

GENERAL INFORMATION:

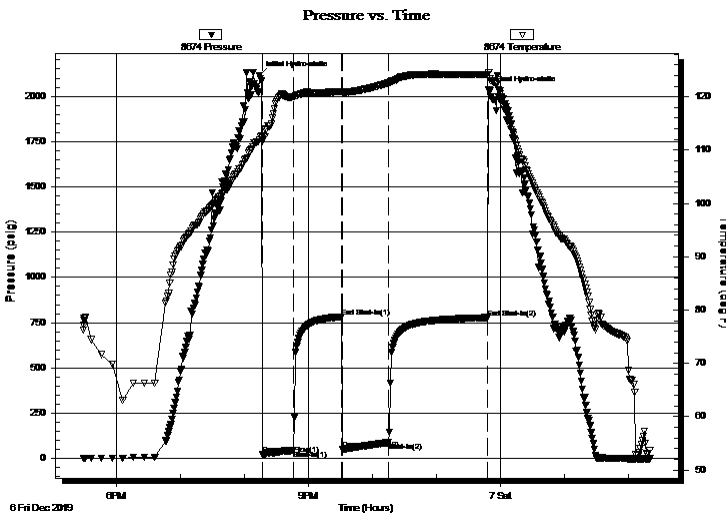
Formation: **K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:17:04
 Time Test Ended: 02:20:34
 Interval: **4249.00 ft (KB) To 4283.00 ft (KB) (TVD)**
 Total Depth: 4283.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2724.00 ft (KB)
 2715.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8674 Outside

Press@RunDepth: 88.79 psig @ 4254.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.06 End Date: 2019.12.07 Last Calib.: 2019.12.07
 Start Time: 17:29:09 End Time: 02:20:34 Time On Btm: 2019.12.06 @ 20:14:04
 Time Off Btm: 2019.12.06 @ 23:49:04

TEST COMMENT: IF: 3/4 blow built to 6 1/2.
 IS: No return.
 FF: 1/4 blow built to 6 1/4.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2113.54	111.95	Initial Hydro-static
3	21.47	111.56	Open To Flow (1)
32	46.25	120.00	Shut-In(1)
77	782.37	121.03	End Shut-In(1)
78	51.56	120.83	Open To Flow (2)
121	88.79	122.61	Shut-In(2)
214	777.87	124.14	End Shut-In(2)
215	2033.16	124.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw 90%w 10%m	0.87
82.00	mcw 60%w 40%m	1.15

* 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 Exploration

2-18s-28w Lane Ks

204 N Robinson Ave Ste 2300
Oklahoma City, Ok 73102

Reifschneider 1-2

Job Ticket: 66075

DST#: 2

ATTN: Austin Garner

Test Start: 2019.12.06 @ 17:29:04

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:

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: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcw 90%w 10%m	0.870
82.00	mcw 60%w 40%m	1.150

Total Length: 144.00 ft Total Volume: 2.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

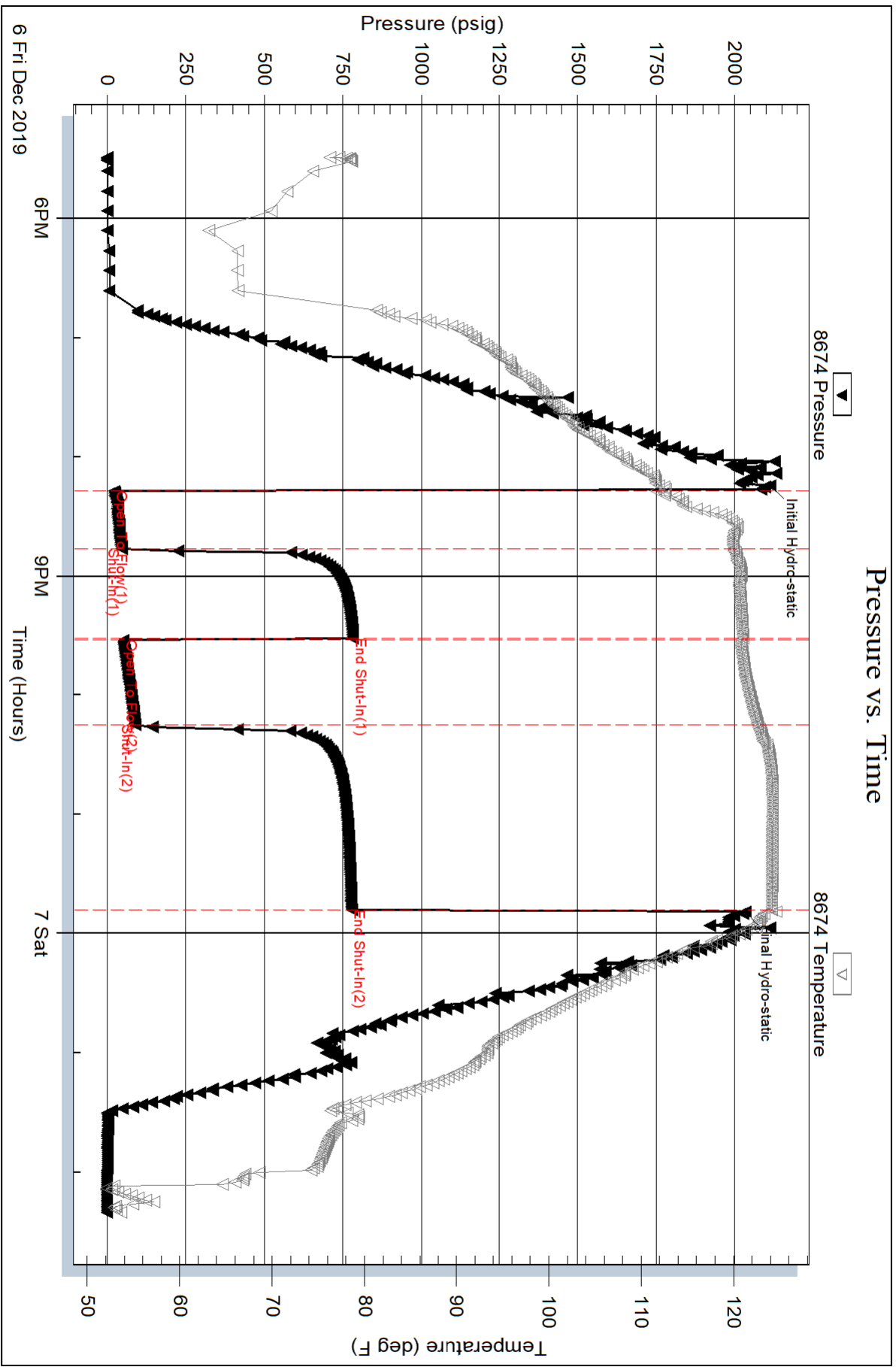
Recovery Comments: .19@70=38000

Serial #: 8674

Outside Slaw son Exploration

Reifschneider 1-2

DST Test Number: 2



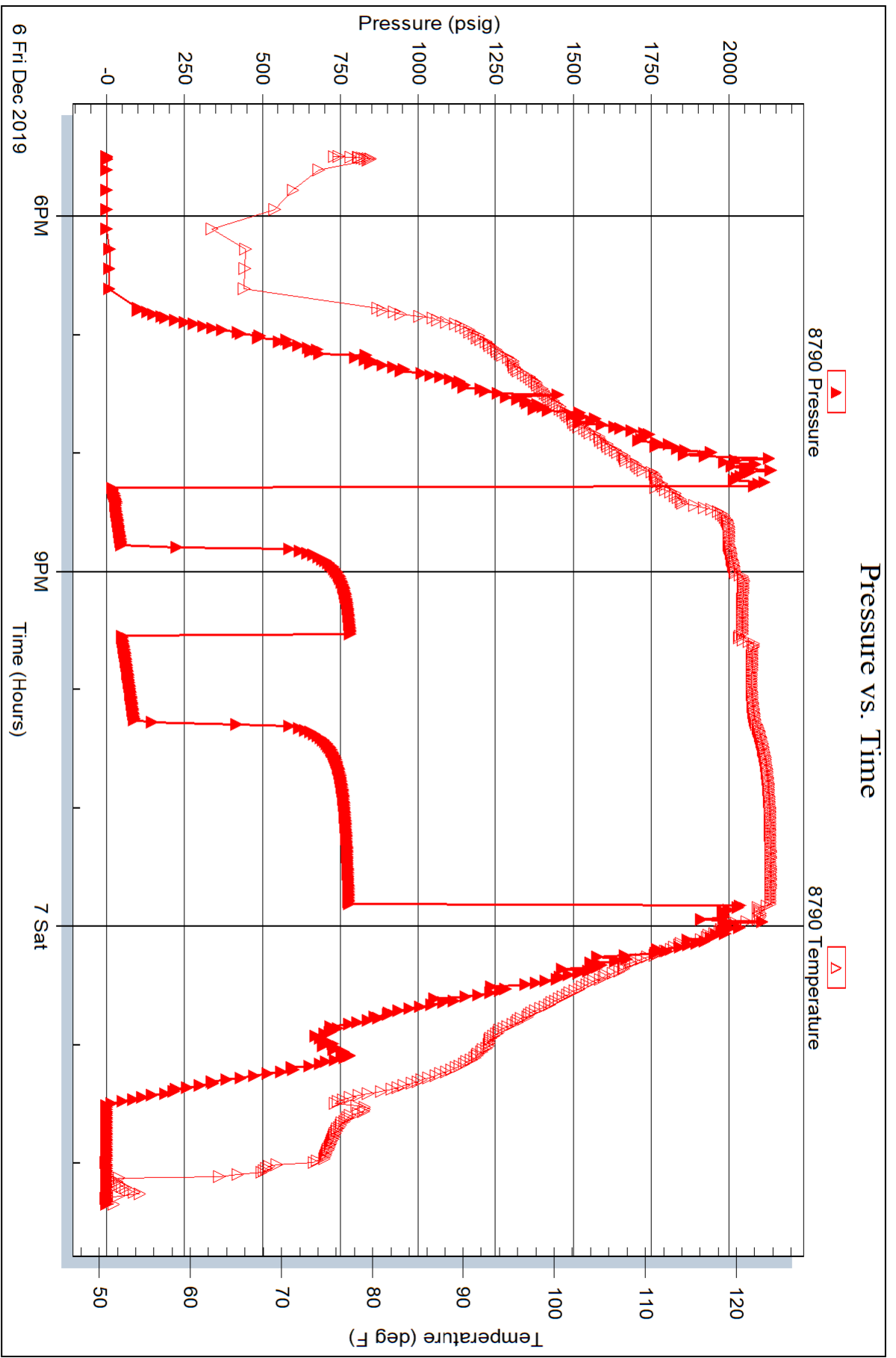
Serial #: 8790

Inside

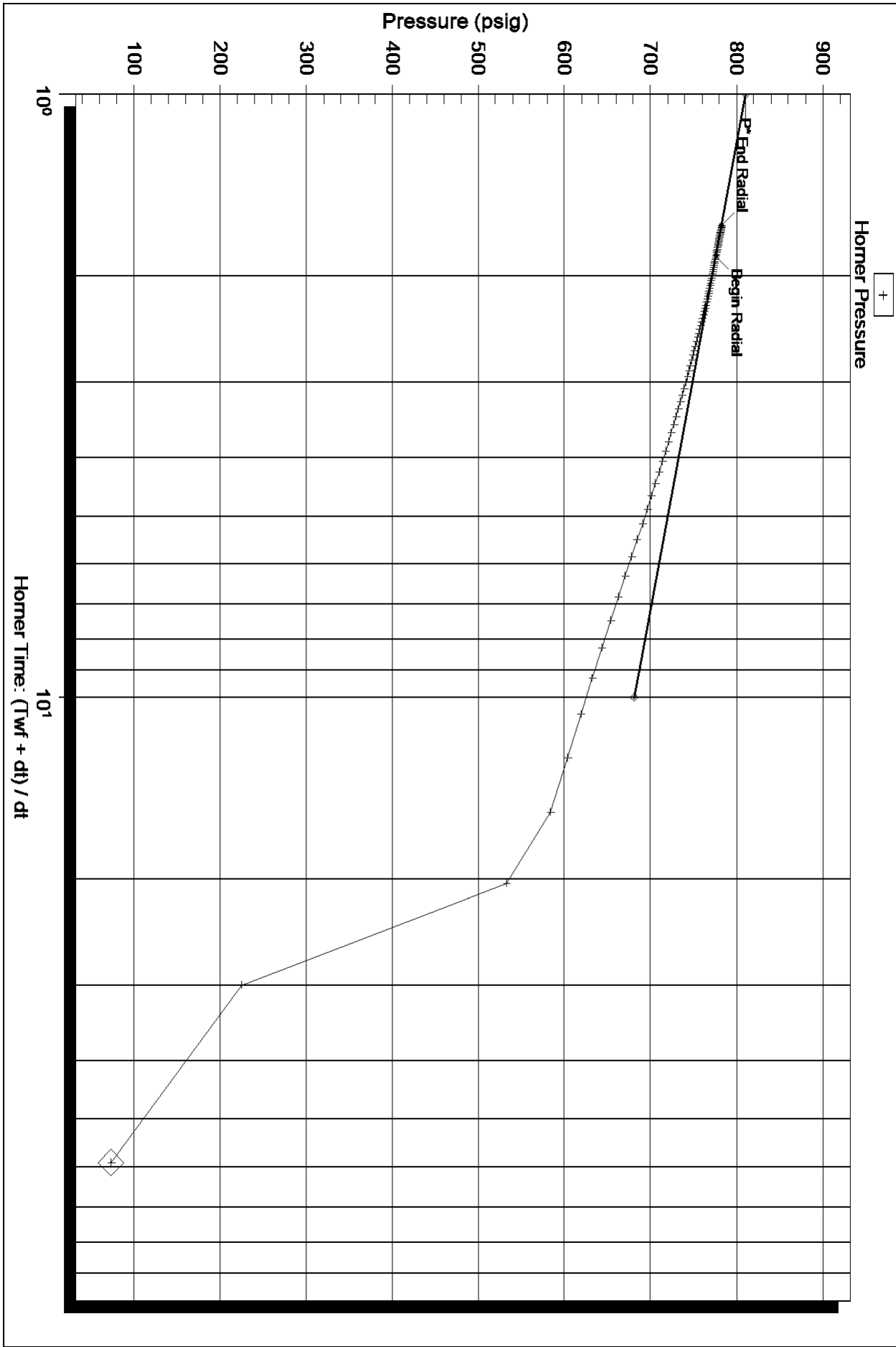
Slaw son Exploration

Reifschneider 1-2

DST Test Number: 2



Horner Plot



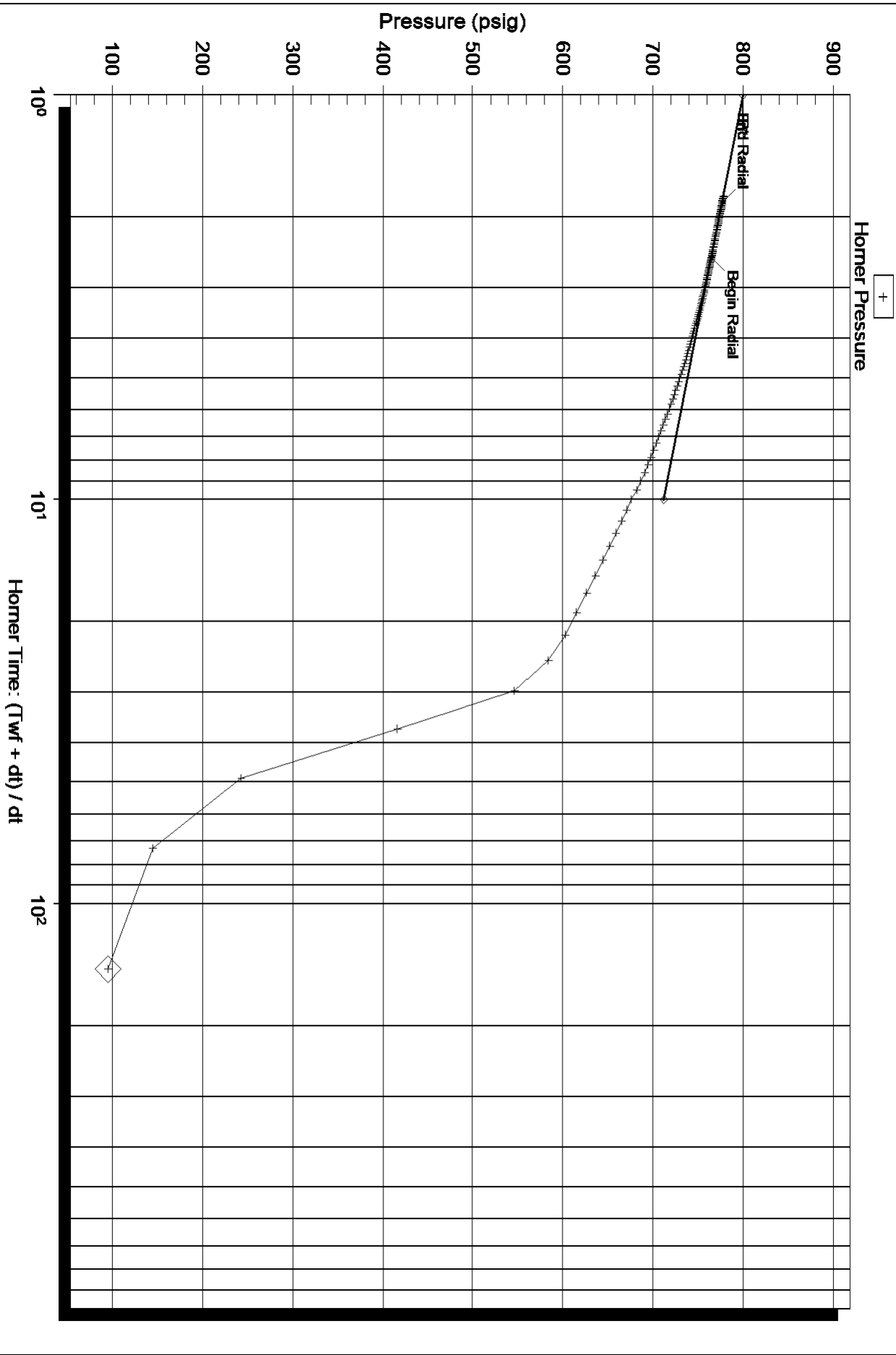
Serial Number: 8674 (Outside)

P* : 810.48

Slope (m) : 129.29 kpa/log cycle

Flow Cycle: 1

Horner Plot



Serial Number: 8674 (Outside)

P* : 799.90

Slope (m) : 87.95 kpa/log cycle

Flow Cycle: 2



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

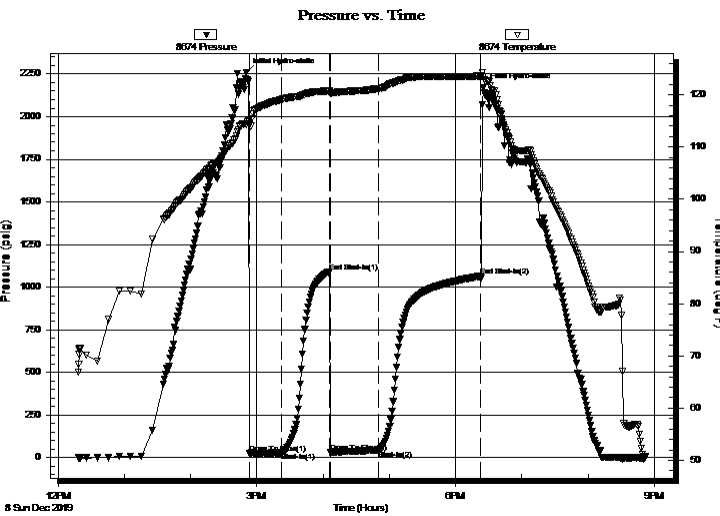
2-18s-28w Lane Ks
Reifschneider 1-2
 Job Ticket: 66126 **DST#: 3**
 Test Start: 2019.12.08 @ 12:18:28

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:53:28 Tester: Brandon Turley
 Time Test Ended: 20:51:28 Unit No: 79
 Interval: **4516.00 ft (KB) To 4564.00 ft (KB) (TVD)** Reference Elevations: 2724.00 ft (KB)
 Total Depth: 4564.00 ft (KB) (TVD) 2715.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 44.51 psig @ 4521.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.08 End Date: 2019.12.08 Last Calib.: 2019.12.08
 Start Time: 12:18:33 End Time: 20:51:28 Time On Btm: 2019.12.08 @ 14:50:28
 Time Off Btm: 2019.12.08 @ 18:25:28

TEST COMMENT: IF: 1/4 blow BOB in 21 min. 13 1/2
 IS: No return.
 FF: BOB in 5 min. 19
 FS: Surface blow died in 30 min. 30-45-45-90



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2259.15	114.36	Initial Hydro-static
3	23.85	114.16	Open To Flow (1)
32	29.91	119.09	Shut-In(1)
75	1090.44	120.72	End Shut-In(1)
76	30.19	120.20	Open To Flow (2)
120	44.51	121.16	Shut-In(2)
213	1064.51	123.58	End Shut-In(2)
215	2168.31	123.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
72.00	mcgo 20%g 40%o 40%m	1.01
10.00	oil 100%o	0.14
0.00	476 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 Exploration
 204 N Robinson Ave Ste 2300
 Oklahoma City, Ok 73102
 ATTN: Austin Garner

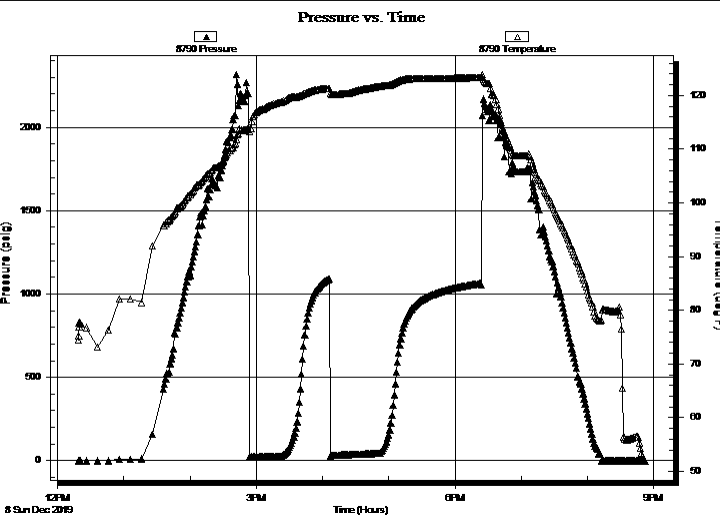
2-18s-28w Lane Ks
Reifschneider 1-2
 Job Ticket: 66126 **DST#: 3**
 Test Start: 2019.12.08 @ 12:18:28

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:53:28 Tester: Brandon Turley
 Time Test Ended: 20:51:28 Unit No: 79
 Interval: **4516.00 ft (KB) To 4564.00 ft (KB) (TVD)** Reference Elevations: 2724.00 ft (KB)
 Total Depth: 4564.00 ft (KB) (TVD) 2715.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8790 Inside
 Press@RunDepth: psig @ 4521.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.08 End Date: 2019.12.08 Last Calib.: 2019.12.08
 Start Time: 12:18:56 End Time: 20:51:51 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/4 blow BOB in 21 min. 13 1/2
 IS: No return.
 FF: BOB in 5 min. 19
 FS: Surface blow died in 30 min. 30-45-45-90



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

Recovery		
Length (ft)	Description	Volume (bbl)
72.00	mcgo 20%g 40%o 40%m	1.01
10.00	oil 100%o	0.14
0.00	476 GIP	0.00

* 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 Exploration

2-18s-28w Lane Ks

204 N Robinson Ave Ste 2300
Oklahoma City, Ok 73102

Reifschneider 1-2

Job Ticket: 66126

DST#: 3

ATTN: Austin Garner

Test Start: 2019.12.08 @ 12:18:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
72.00	mcgo 20%g 40%o 40%m	1.010
10.00	oil 100%o	0.140
0.00	476 GIP	0.000

Total Length: 82.00 ft Total Volume: 1.150 bbl

Num Fluid Samples: 0

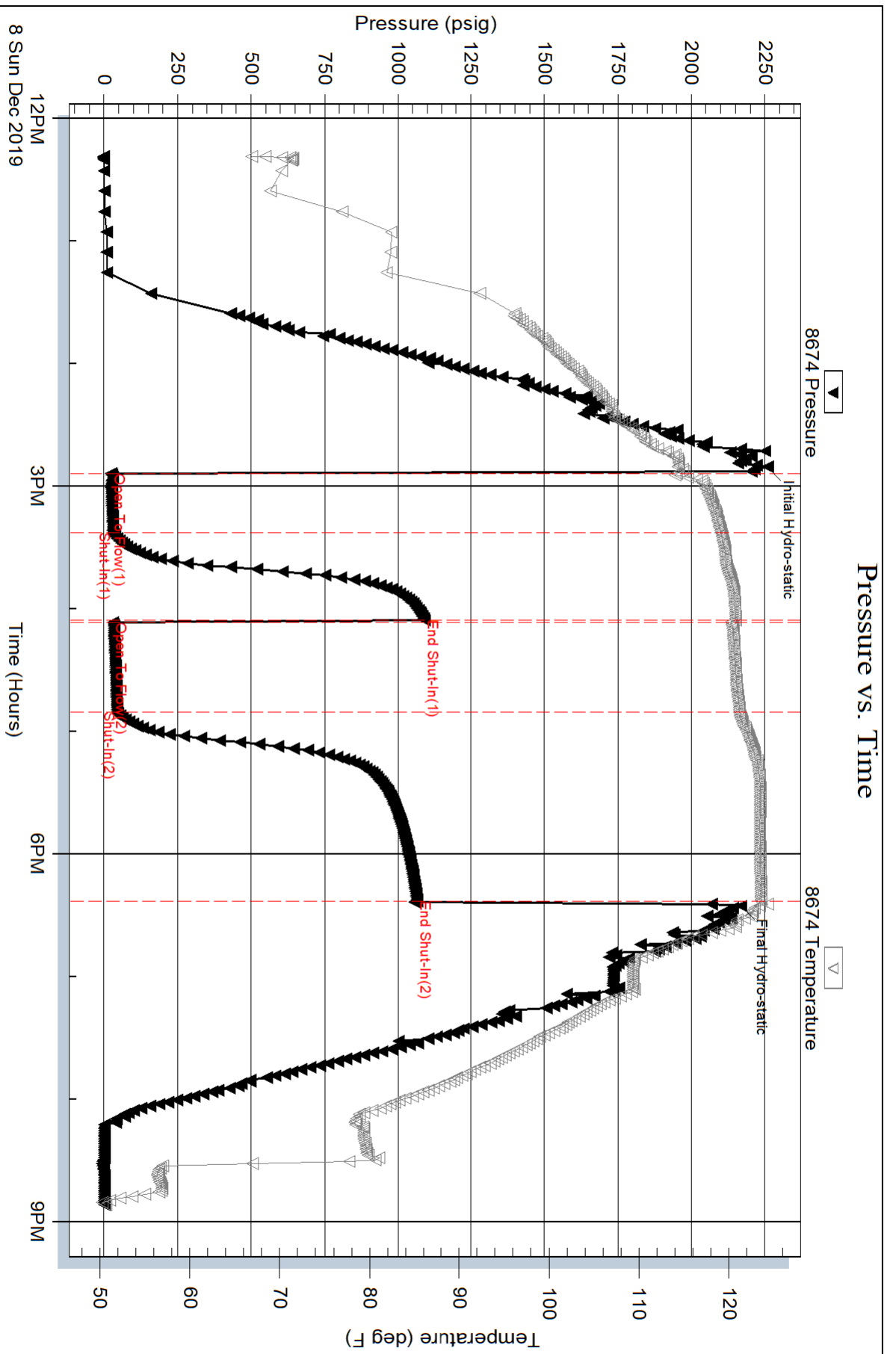
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 37@60=37



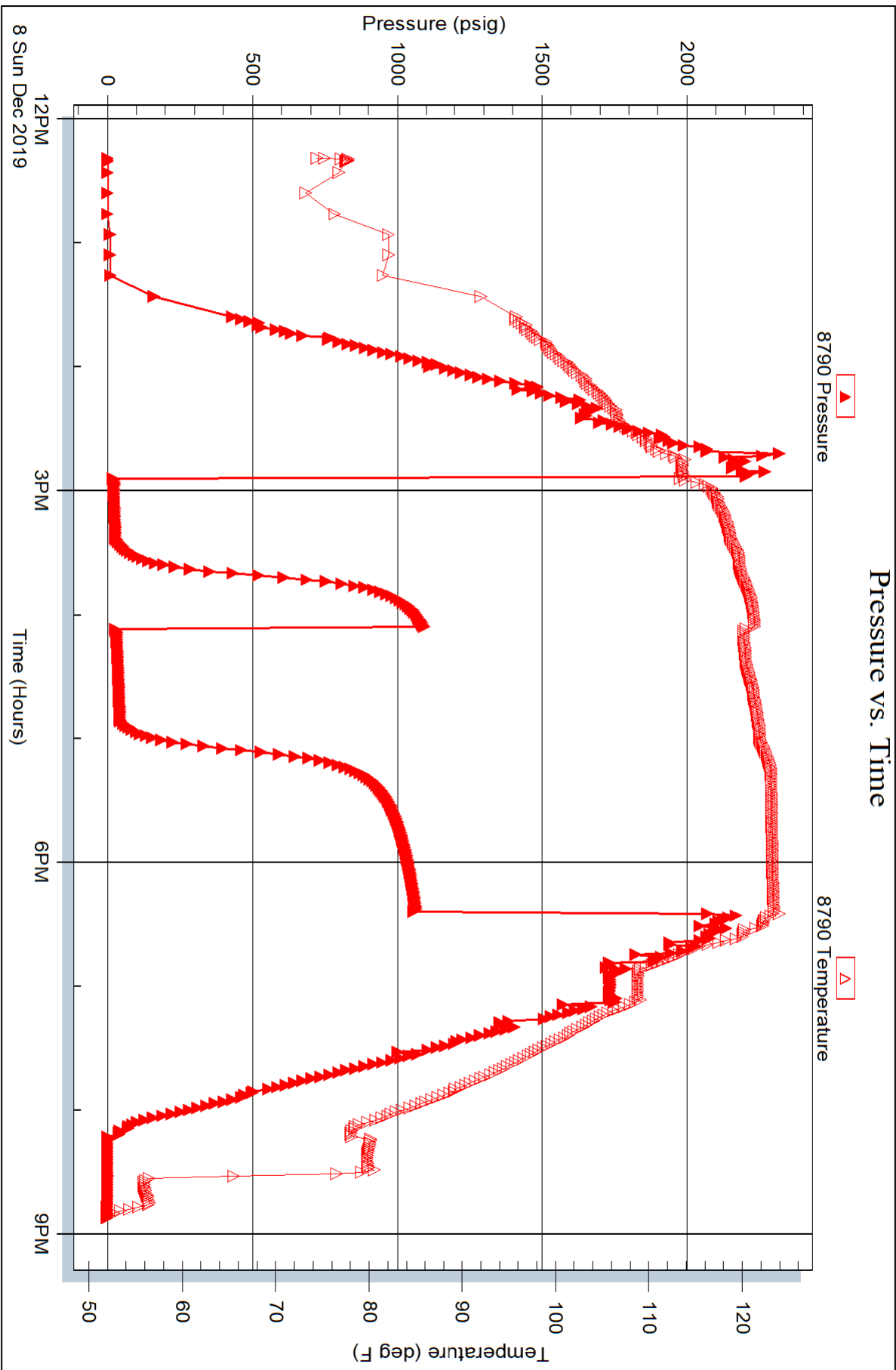
Serial #: 8790

Inside

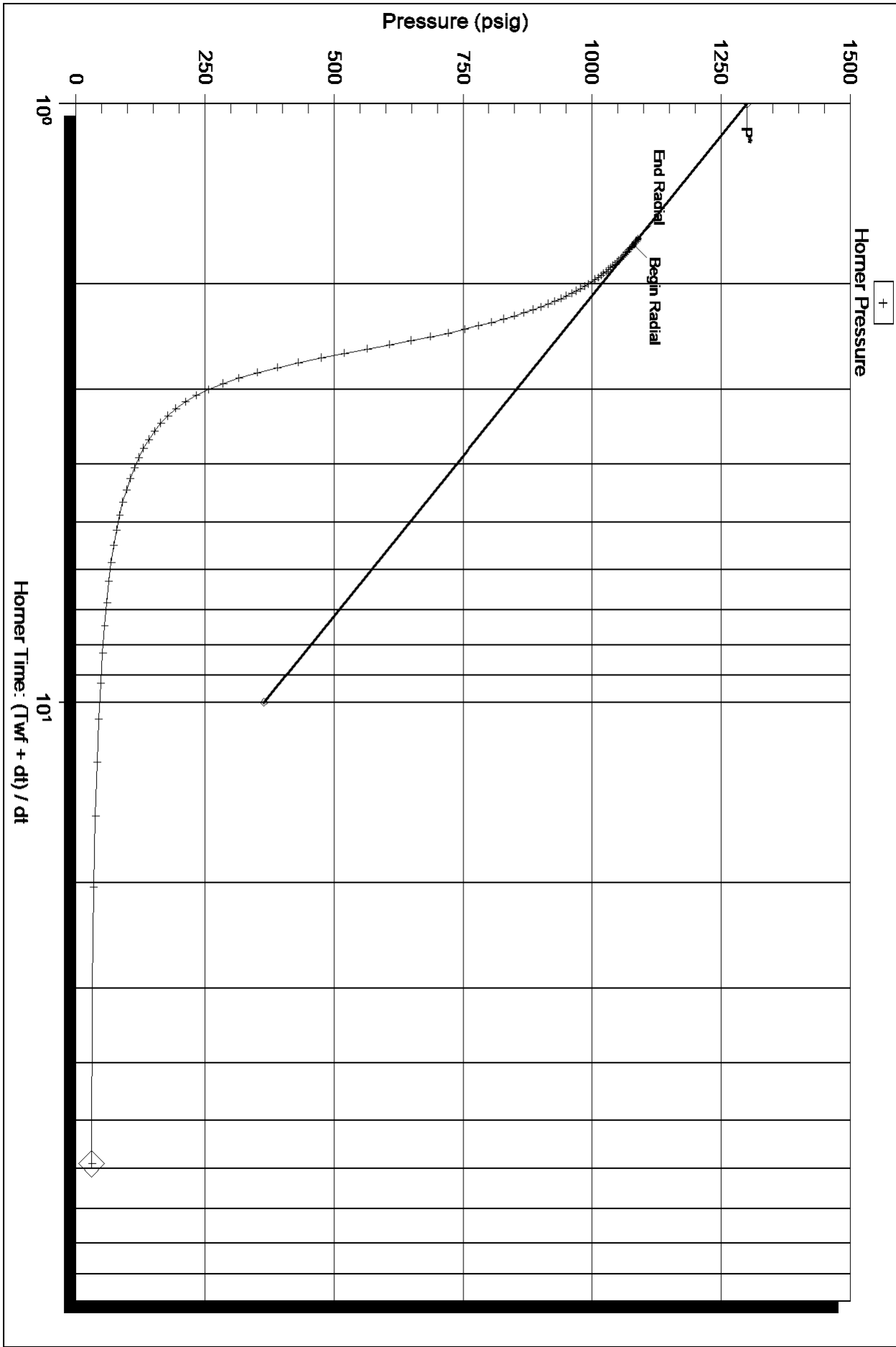
Slaw son Exploration

Reifschneider 1-2

DST Test Number: 3



Horner Plot



Serial Number: 8674 (Outside)

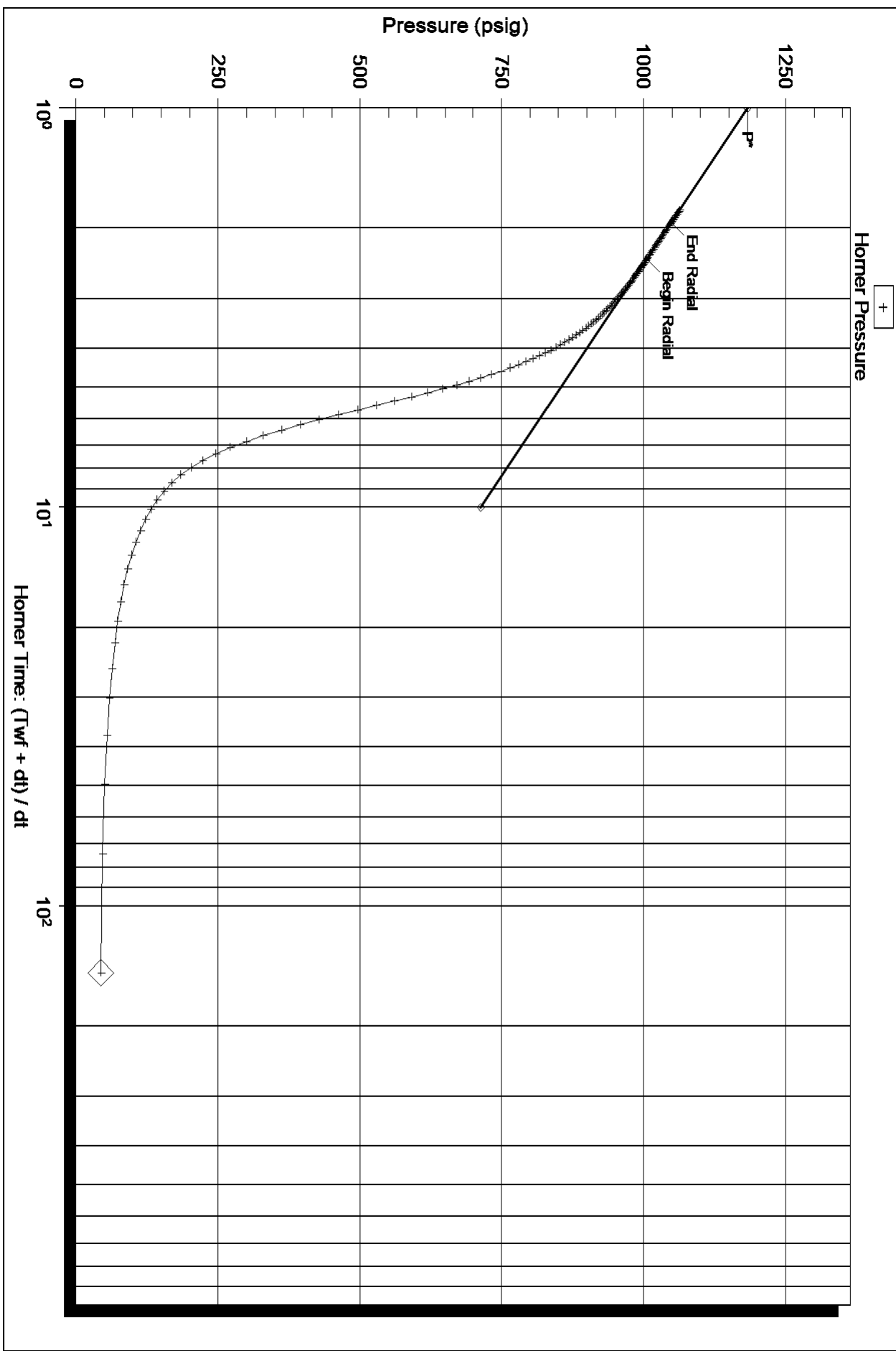
P* : 1300.23

Slope (m) : 936.43 kpa/log cycle

Flow Cycle: 1

Horner Time: (Twf + dt) / dt

Horner Plot



Serial Number: 8674 (Outside)

P* : 1182.76

Slope (m) : 469.46 kpa/log cycle

Flow Cycle: 2

Horner Time: (T_{wf} + dt) / dt



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

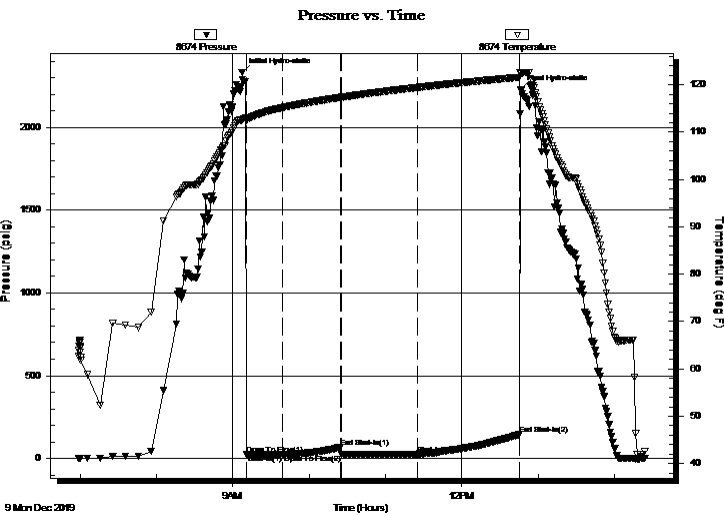
2-18s-28w Lane Ks
Reifschneider 1-2
 Job Ticket: 66127 **DST#: 4**
 Test Start: 2019.12.09 @ 06:58:49

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:10:49 Tester: Brandon Turley
 Time Test Ended: 14:23:49 Unit No: 79
 Interval: **4560.00 ft (KB) To 4603.00 ft (KB) (TVD)** Reference Elevations: 2724.00 ft (KB)
 Total Depth: 4603.00 ft (KB) (TVD) 2715.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 26.62 psig @ 4565.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.09 End Date: 2019.12.09 Last Calib.: 2019.12.09
 Start Time: 06:58:54 End Time: 14:23:48 Time On Btm: 2019.12.09 @ 09:07:19
 Time Off Btm: 2019.12.09 @ 12:46:19

TEST COMMENT: IF: 1/4 blow that never built.
 IS: No return.
 FF: No blow.
 FS: No return. 30-45-45-90



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.30	112.58	Initial Hydro-static
4	24.96	112.52	Open To Flow (1)
32	24.03	115.20	Shut-In(1)
78	68.93	117.34	End Shut-In(1)
78	24.24	117.37	Open To Flow (2)
138	26.62	119.45	Shut-In(2)
218	144.60	121.59	End Shut-In(2)
219	2229.97	122.25	Final Hydro-static

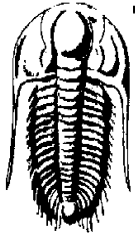
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.07

* Recovery from multiple tests

Gas Rates

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



TRILLOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

2-18s-28w Lane Ks
Reifschneider 1-2
 Job Ticket: 66127 **DST#: 4**
 Test Start: 2019.12.09 @ 06:58:49

GENERAL INFORMATION:

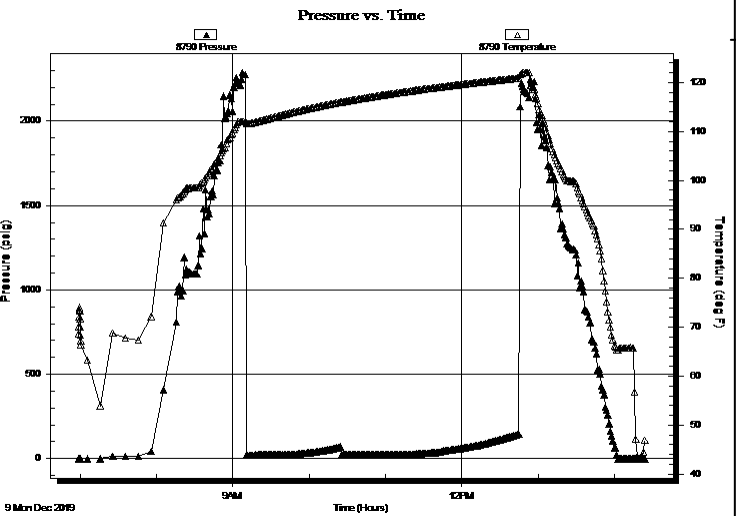
Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:10:49
 Tester: Brandon Turley
 Time Test Ended: 14:23:49
 Unit No: 79
 Interval: **4560.00 ft (KB) To 4603.00 ft (KB) (TVD)**
 Reference Elevations: 2724.00 ft (KB)
 Total Depth: 4603.00 ft (KB) (TVD)
 2715.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 9.00 ft

Serial #: 8790

Inside

Press@RunDepth: psig @ 4565.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.09 End Date: 2019.12.09 Last Calib.: 2019.12.09
 Start Time: 06:58:47 End Time: 14:23:41 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/4 blow that never built.
 IS: No return.
 FF: No blow.
 FS: No return. 30-45-45-90



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.07

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 Exploration
204 N Robinson Ave Ste 2300
Oklahoma City, Ok 73102
ATTN: Austin Garner

2-18s-28w Lane Ks
Reifschneider 1-2
Job Ticket: 66127 **DST#: 4**
Test Start: 2019.12.09 @ 06:58:49

Mud and Cushion Information

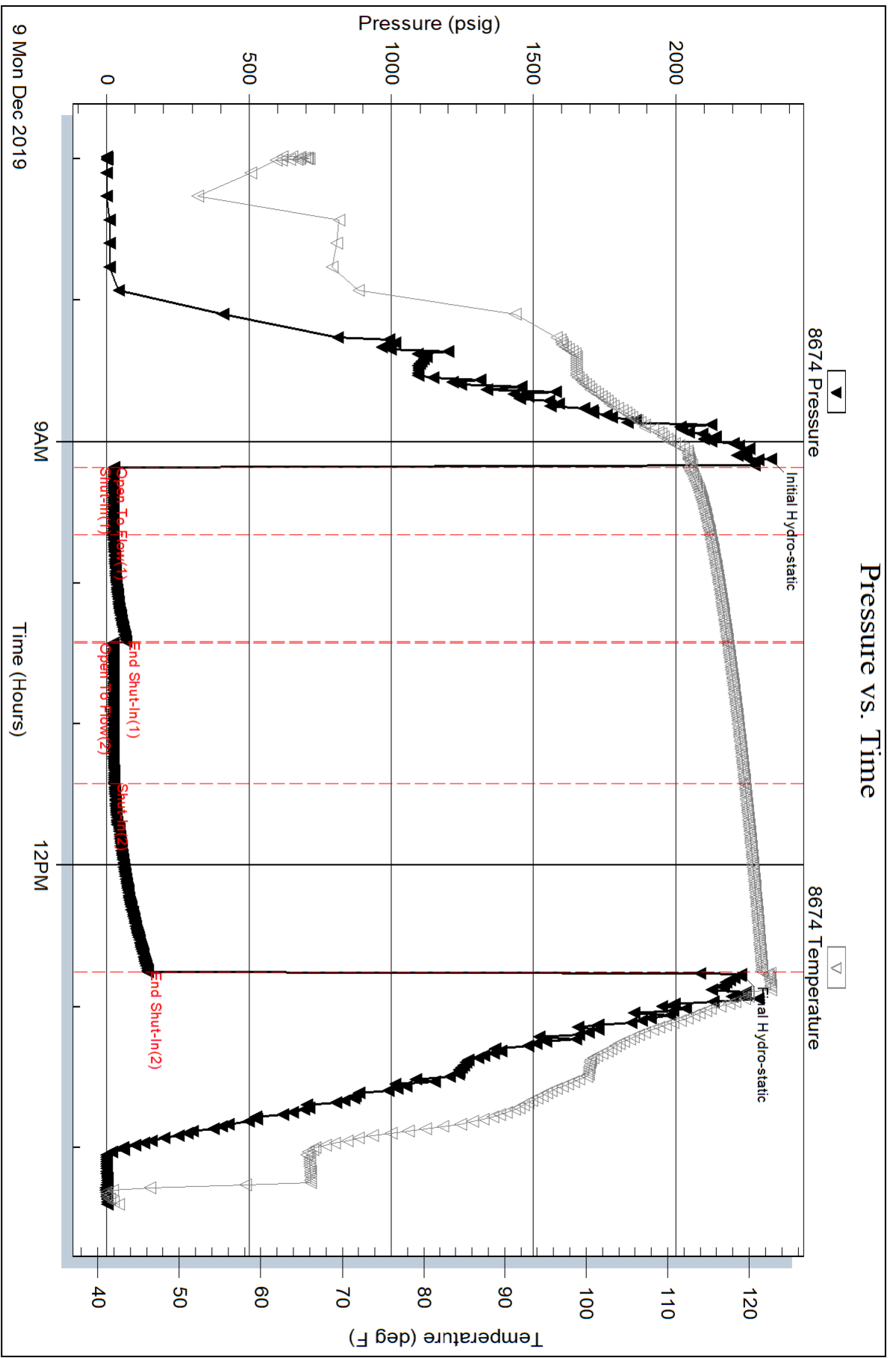
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



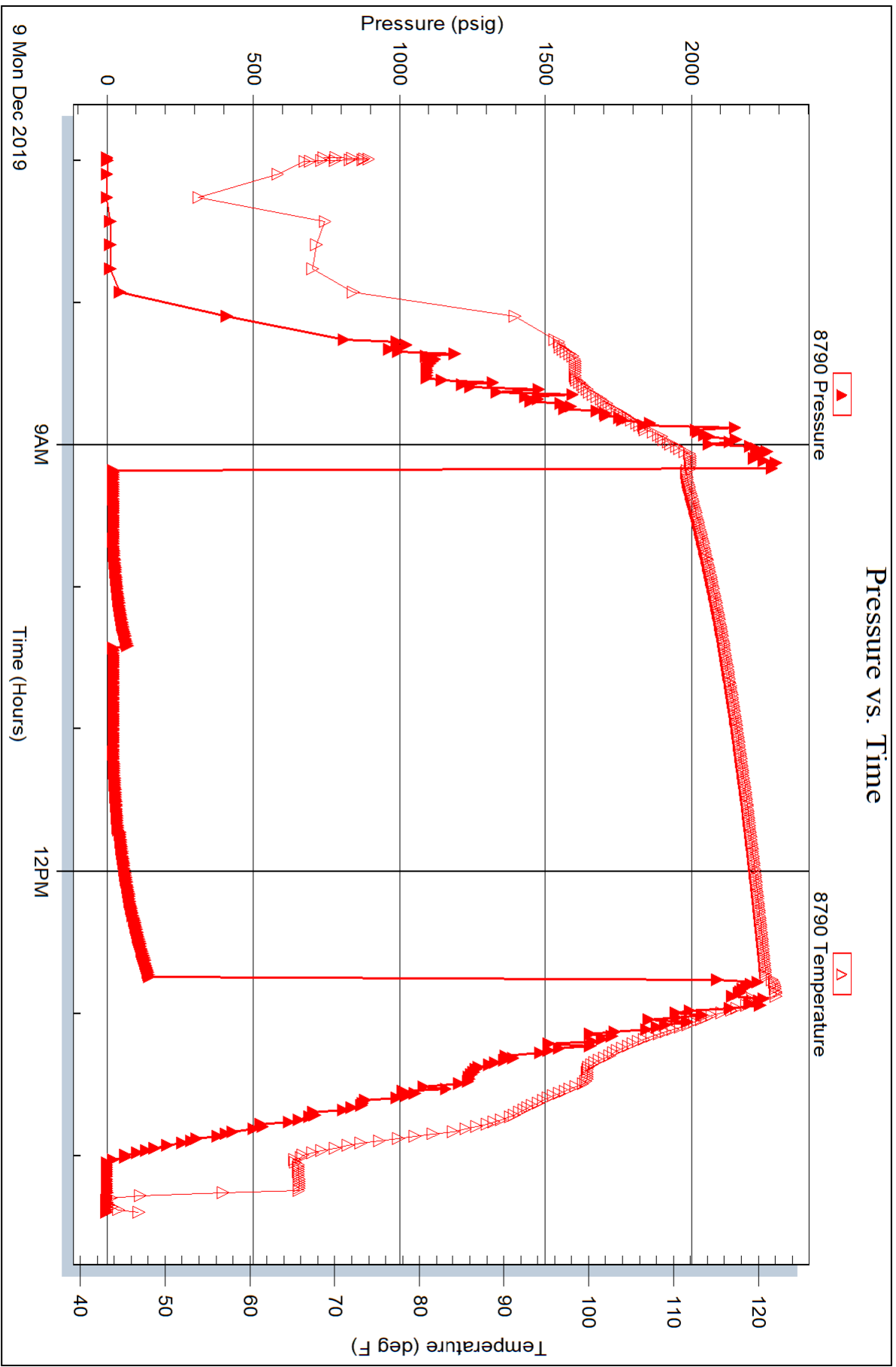
Serial #: 8790

Inside

Slaw son Exploration

Reifschneider 1-2

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 66127

Printed: 2019.12.09 @ 16:36:02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

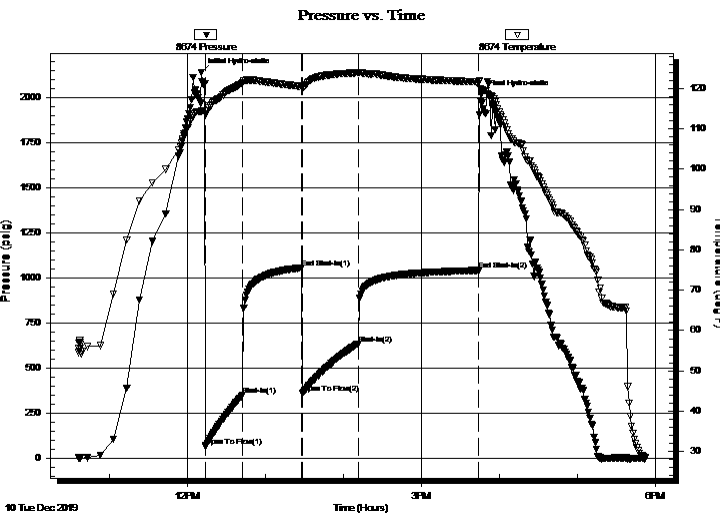
2-18s-28w Lane Ks
Reifschneider 1-2
 Job Ticket: 66128 **DST#: 5**
 Test Start: 2019.12.10 @ 10:36:30

GENERAL INFORMATION:

Formation: **C-G**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 12:14:00 Tester: Brandon Turley
 Time Test Ended: 17:52:00 Unit No: 79
 Interval: **4050.00 ft (KB) To 4110.00 ft (KB) (TVD)** Reference Elevations: 2724.00 ft (KB)
 Total Depth: 4667.00 ft (KB) (TVD) 2715.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 634.05 psig @ 4089.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.10 End Date: 2019.12.10 Last Calib.: 2019.12.10
 Start Time: 10:36:35 End Time: 17:51:59 Time On Btm: 2019.12.10 @ 12:11:00
 Time Off Btm: 2019.12.10 @ 15:46:00

TEST COMMENT: IF: BOB in 3 min. 66
 IS: No return.
 FF: BOB in 5 min. 70 1/2
 FS: No return. 30-45-45-90



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.47	114.30	Initial Hydro-static
3	65.21	113.80	Open To Flow (1)
32	346.87	121.42	Shut-In(1)
77	1054.95	120.53	End Shut-In(1)
78	359.36	120.19	Open To Flow (2)
121	634.05	123.88	Shut-In(2)
213	1042.06	121.61	End Shut-In(2)
215	2017.58	119.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
930.00	mcw 95%w 5%m	13.05
248.00	w cm 40%w 60%m	3.48
93.00	mud 100%m	1.30

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

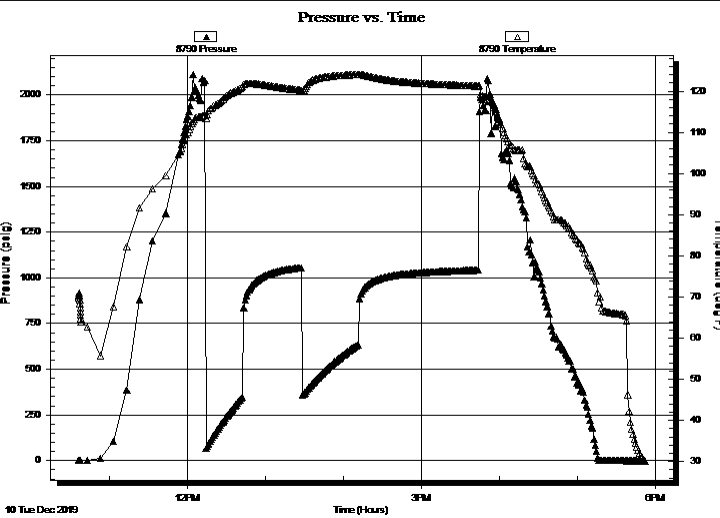
2-18s-28w Lane Ks
Reifschneider 1-2
 Job Ticket: 66128 **DST#: 5**
 Test Start: 2019.12.10 @ 10:36:30

GENERAL INFORMATION:

Formation: **C-G**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 12:14:00 Tester: Brandon Turley
 Time Test Ended: 17:52:00 Unit No: 79
 Interval: **4050.00 ft (KB) To 4110.00 ft (KB) (TVD)** Reference Elevations: 2724.00 ft (KB)
 Total Depth: 4667.00 ft (KB) (TVD) 2715.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8790 Inside
 Press@RunDepth: psig @ 4089.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.10 End Date: 2019.12.10 Last Calib.: 2019.12.10
 Start Time: 10:36:41 End Time: 17:52:05 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB in 3 min. 66
 IS: No return.
 FF: BOB in 5 min. 70 1/2
 FS: No return. 30-45-45-90



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

Recovery		
Length (ft)	Description	Volume (bbl)
930.00	mcw 95%w 5%m	13.05
248.00	w cm 40%w 60%m	3.48
93.00	mud 100%m	1.30

* 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 Exploration
204 N Robinson Ave Ste 2300
Oklahoma City, Ok 73102
ATTN: Austin Garner

2-18s-28w Lane Ks
Reifschneider 1-2
Job Ticket: 66128 **DST#: 5**
Test Start: 2019.12.10 @ 10:36:30

Mud and Cushion Information

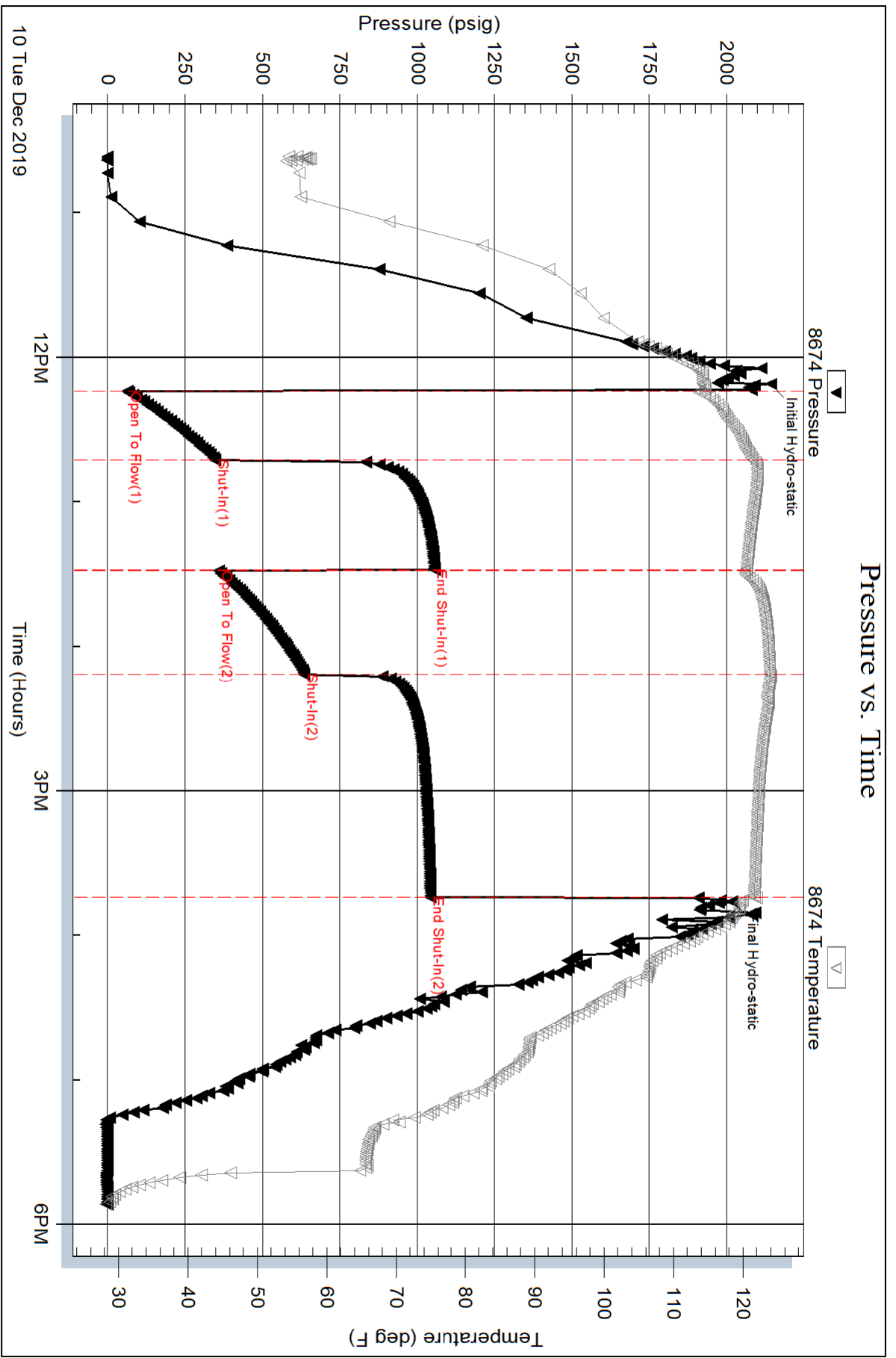
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 40000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 4500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
930.00	mcw 95%w 5%m	13.045
248.00	w cm 40%w 60%m	3.479
93.00	mud 100%m	1.305

Total Length: 1271.00 ft Total Volume: 17.829 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .36@44=40000



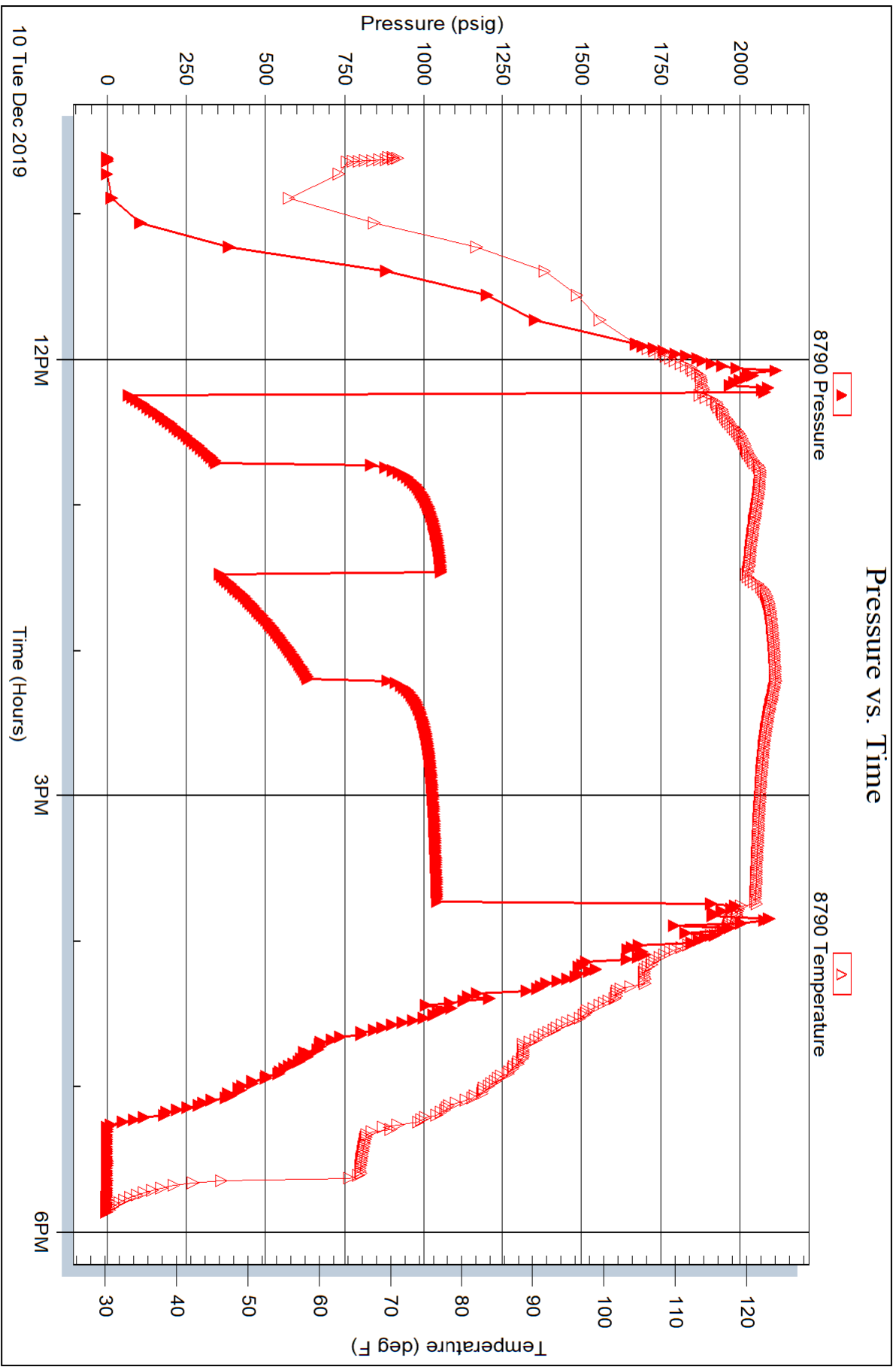
Serial #: 8790

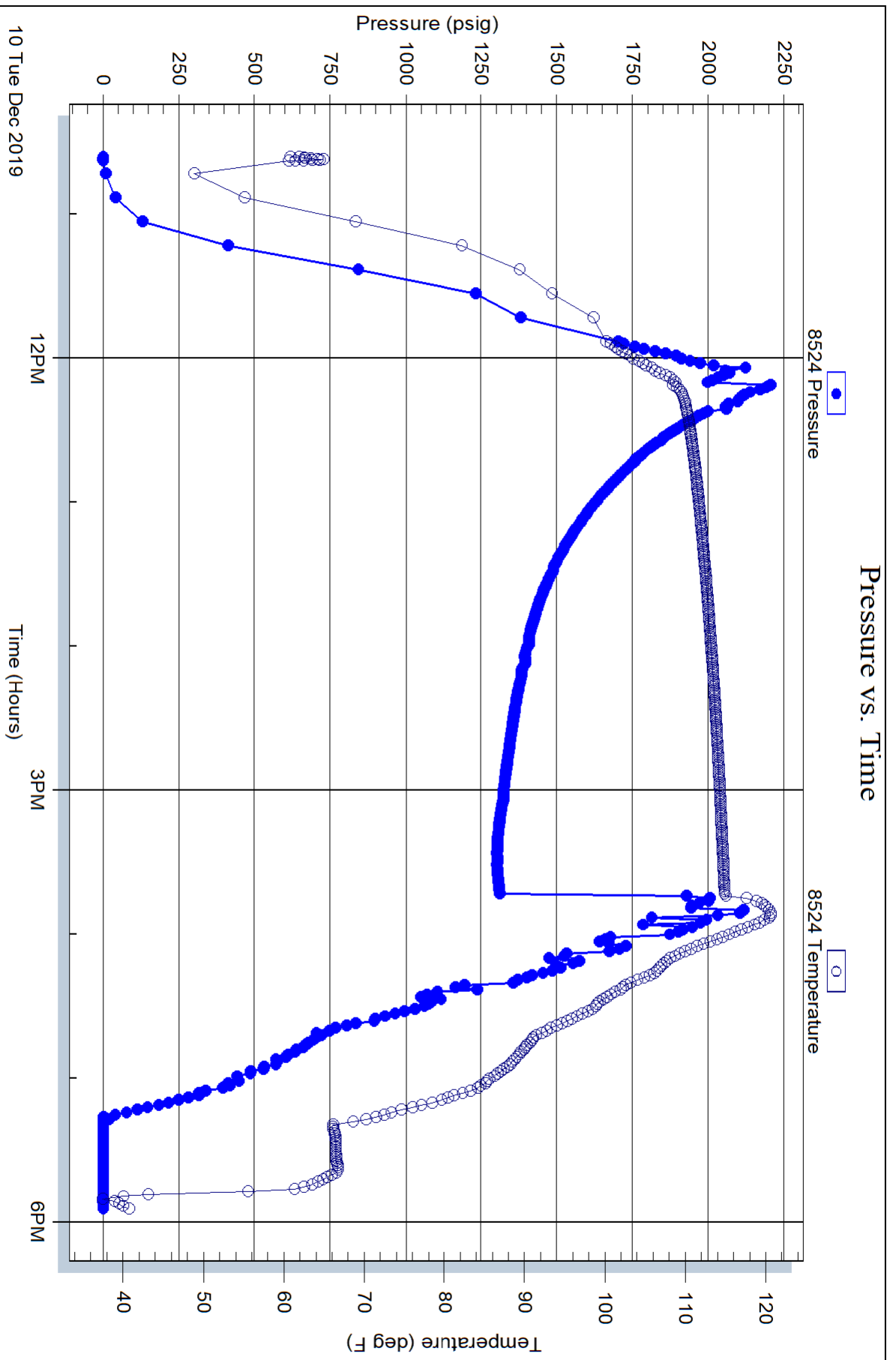
Inside

Slaw son Exploration

Reifschneider 1-2

DST Test Number: 5





GLOBAL OIL FIELD SERVICES, LLC

13907

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>12-11-14</u>	SEC. <u>2</u>	TWP. <u>12N</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>2:30am</u>
LEASE <u>Re-far-Dr</u>	WELL # <u>1-2</u>	LOCATION <u>Hwy 241/242/243 RR 12th Easing</u>		COUNTY <u>Leaw</u>	STATE <u>KS</u>		
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Quik Drilling

TYPE OF JOB Refracture

HOLE SIZE _____ T.D. 5607'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS _____

DISPLACEMENT _____

OWNER Slawson Exploration Co

CEMENT AMOUNT ORDERED 290 cc 60-80 V3

EQUIPMENT

PUMP TRUCK # 401 CEMENTER Carl HELPER Tom

BULK TRUCK # 497 DRIVER John

BULK TRUCK # _____ DRIVER _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

2150 50cc

1320 80cc

4000 50cc

360 50cc

60 70cc

800 50cc

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: Slawson Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

Global Oil Field 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 _____

SIGNATURE Hector Torres

SALES TAX (if Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

GLOBAL OIL FIELD SERVICES, LLC

13902

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>11-20-19</u>	SEC. <u>2</u>	TWP. <u>19</u>	RANGE <u>23E</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>3-6-20</u>
LEASE <u>Ho L...</u>	WELL #. <u>16</u>	LOCATION <u>5 Eas of Dunbar 24 mi</u>			COUNTY <u>6-16</u>	STATE <u>1-3</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Drill Drilling Rig A 4

TYPE OF JOB Well

HOLE SIZE _____ T.D. _____

CASING SIZE 18 DEPTH 308'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 25

PERFS _____

DISPLACEMENT _____

OWNER S. Hanson Explorations Co Inc

CEMENT AMOUNT ORDERED 210 yd. con 2800

EQUIPMENT

PUMP TRUCK CEMENTER Carl

911 HELPER Talen

BULK TRUCK DRIVER Jack

911 DRIVER

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

Rig 22nd 24 casing depth to Rig 22nd
1 casing. Mapped to 2100' + pumped 2 hrs.
235 cement. 17500' of 4 1/2" x 2 1/2" TA

Cement left in casing

CHARGE TO: S. Hanson Explorations Co Inc

STREET _____

CITY _____ STATE _____ ZIP _____

Global Oil Field 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 _____

SIGNATURE Hector Jones

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

MBC WELL LOGGING LLC

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

Well Name: REIFSCHNEIDER 1-2 SEC 2-T18s-R28w LANE CTY SLAWSON EXPL.
Well Id: API 15-101-22640-00-00
Location: LANE COUNTY, KANSAS USA
License Number: 3988
Spud Date: 11-29-2019
Surface Coordinates: SE/NW/NE/SW 2172'fsl, 1963'fwi SE 2-18s-R28w
DUKE RIG 4 #5929 RODNEY GONZALES CO-MAN
Bottom Hole Coordinates: ST-P-
Ground Elevation (ft): 2715
Logged Interval (ft): 3500 To: 4667
Formation: MISSISSIPPI
Type of Drilling Fluid: MUDCO GARY SCHMIDTBERGER CELL (785)-259-2757

Region: WILDCAT
Drilling Completed: 12-09-2019
K.B. Elevation (ft): 2724
Total Depth (ft): Elog 4667

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




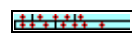
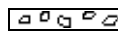




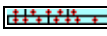







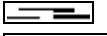

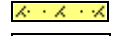
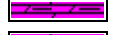
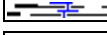






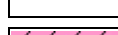





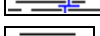
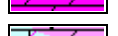

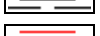
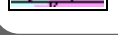


OPERATOR

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

MUDLOGGER

Name: AUSTIN GARNER CELL (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
- Slst
- Salt
- Sndy sh--red
- Sndy sh
- Slst-1
- Slty-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
- Slststrg
- Ssstrg
- Grn sh strk

TEXTURE

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

OIL SHOW

- Even
- Spotted
- Ques
- Dead

Comments

DSTs

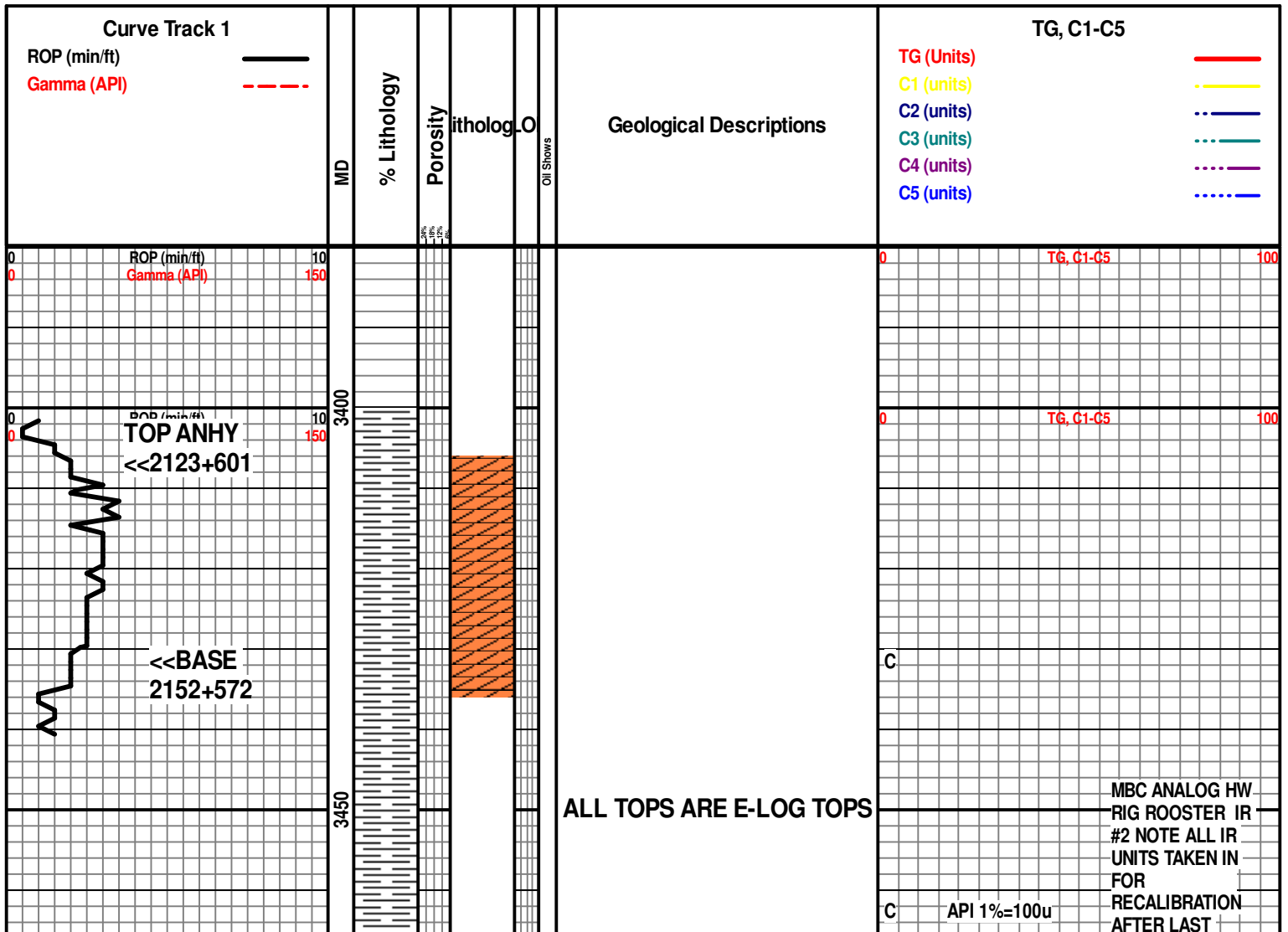
TRILOBATE TESTING SCOTT CITY BRANDON TURLEY UNIT 79

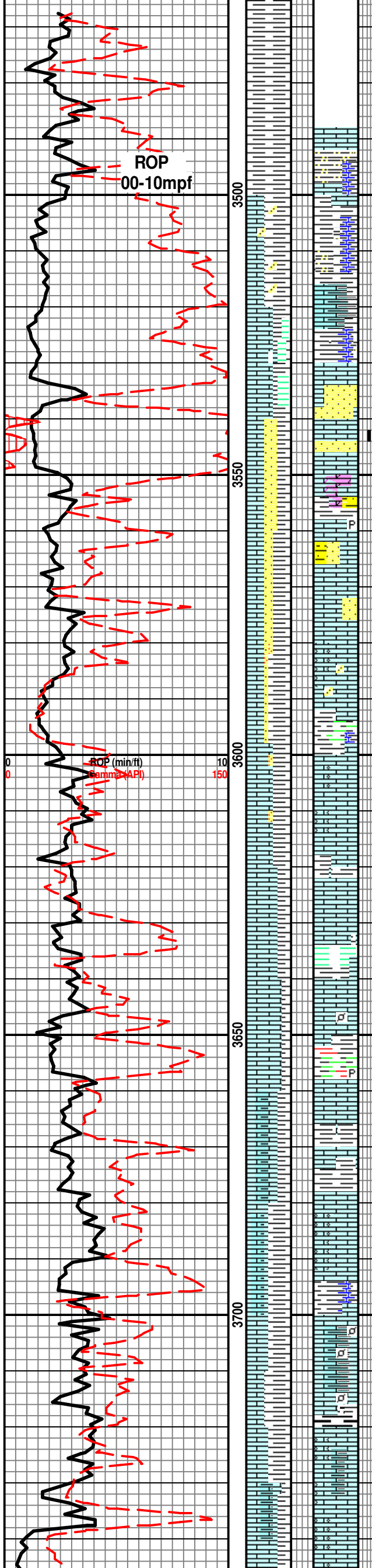
DST # 1 4185-4249

DST # 3 4515-4563

DST # 2 4249-4283

DST # 4 4560-4603





SH; BLK DK GY SME SLI GRN LMY IP, INCRS SLTY-SNDY GRDS TO ARGIL FOSS LS

SS; LT GY OFF WH VF GR MICA, VF BLK PELL, SME CARB LENS NO SHOW

WABAUNSEE 3551-827ss

LS TN GY FOSS FRGMTL, TO LT TN TR DOLOMITIC

SH; SFT GY DK GY TR BRN, FREE CRS PYR, SME SLTY SNDY

LS; LT GY TO MOTT TN FOSS XLN HD, TO LT BUFF WEATHD FOSS, N/O, MFNSOC

LS LT BUFF CHLKY MICRO OOL W/MICRO QTZ, RED SH INTRUS, SME GY FOSS HD DNS LS N/O, MFNSOC

SH; SFT GY TO GRNISH LMY IP

LS; LT BUFF WEATHD APPR, MICRO OOL & FOSS, DK GOLD MFNSOC N/O

DK GY TO BLK SH

LS; LT TN/BUFF, WEATHD APPR, PRED BIOSPARITIC SHLY IP, SME DK GOLD MFNSOC N/O

LS GRN SMO SH

LS; GY TN HD DNS FOSS XLN SME BLK SH SPLTECHES MFNSOC N/O

SH; GY GRN TR RED BRN, FREE PYR CLSTRS

LS; GY TN HD XLN SME W/ABDT GY PELL TR FOSS TUBE, N/O MFNSOC

SH; BLK DKS GY CALC TO LMY IP

LS; GY TN HD DNS FOSS XLN, TR OOL, INCRS CRM MOTT P/SRTD FOSS, TR CRINOIDAL BLK FLOR N/O NSOC

SH; BLK TO DK GY SFT TO BLKYFRM CALC

TOPEKA 3697-973ss

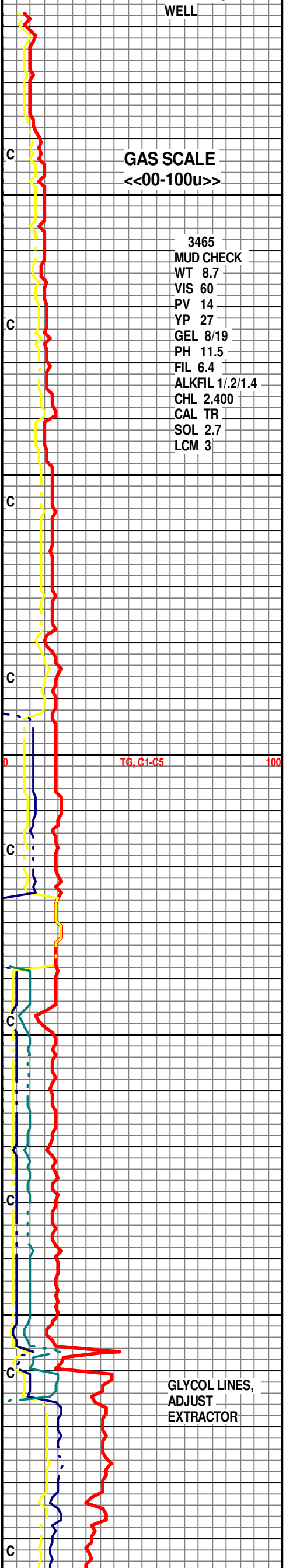
LS; DIRTY GY HD DNS SHLY MICRO FOSS XLN SME W/ABDT GY PELL, BLK SH LENS IP, SME LMY CRIN FOSS SH, N/O MFNSOC

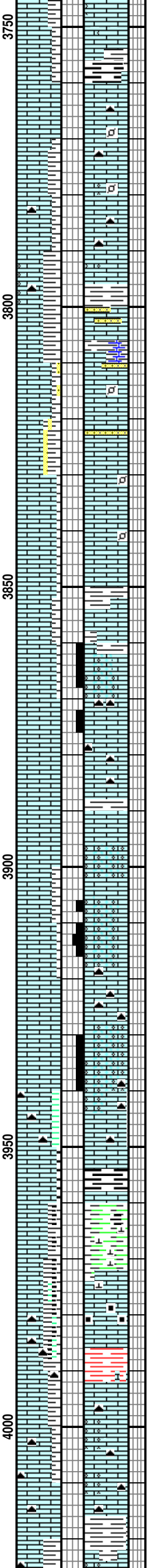
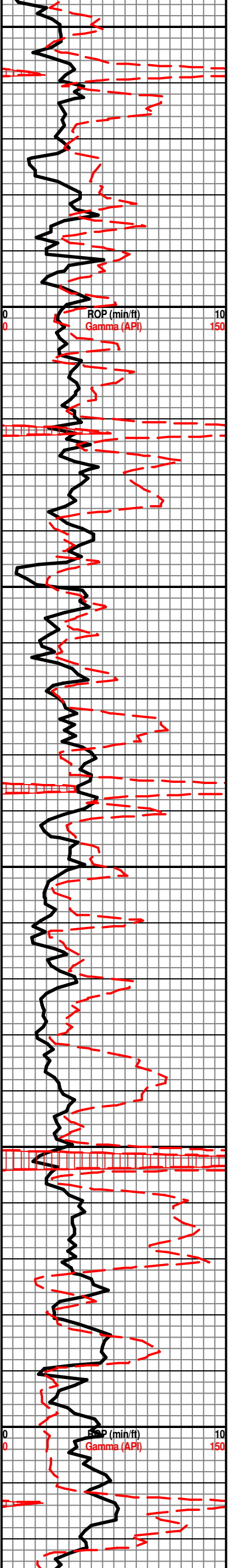
BLK CARB SH

LS; GY AAB, BUFF WH SFT S-CHLKYW/TR SHDW VF OOL, SCATT WEAK GOLD FLOR NSOC

LS; GY HD FRAC FOSS SHLY XLN

LS; WH OFF WH SSFT S-CHLKY W/TR SHDW VF OOL, ABDT DK GYAAB NO SHOW





LS; GY BRN BRTL RGH BIOSPARITIC//OCC VF OOL, SFT PINK WH CHLK, FAINT GOLD MFNSOC N/O

BLK CARB SH

LS; PALE WH BUFF SFT CHLKY TO GY TN HD DNS FOSS XLN, TR GY MICRO FOSSS CHT, SCATT VF PELL, SCATT GOLD MFNSOC N/O

LS; CRM BUFF WEATHD APPR, FOSS FRGMTL, TO SPARITIC, GY BLK MICRO FOSS CHT, TR SHDW VF OOL, BLK TO DK PURLE MFNSOC

SH; DK GY SFT ABDT MICA

SHORT TRIP AT 3804

<<LAT

LS; TN GRITTY ABDT FUS/FOSS, INCRS GY W/PELL, SCATT LMY SLTYSNDY COMINGLD,

TR SS; MED GY V/SHLY P/SRTD VF TO UPR F S-RD QTZ, NO SHOW

LS; LT TN BUFF HD DNS WEATHD APPR, MICRO TO F-FOSS PCES, SLTY SDNY IP, INCRS FOSS LS MFNSOC

LS; GYISH TN WEATHD APPR P/SRTD FOSS PCES, ABDT WH SUCROS MATRIX W/ GY PELL, INTBD SH, DK PURPL TR GOLD MFNSOC

SH; GY DK GY SLTY SNDY SFT

LS; LT BUFF GRITTY WEATH APPR, MICRO OOL, SME MICRO QTZ, PP VUG POR IP YEL FLOR, NSOC

LS LT BRNISH VF GRITTY SHDW VF FOSS,, BLK W/GOLD TINGE FLOR N/O

NSOC

LS; BUFF TN P/SRTD FOSS PCES, GY CONCOR MICRO FOSS CHT, DUL GOLD TO BLK FLOR NSOC

LS; SLI GY TO TN HD DNS FOSS XLN CHT INCLUS MFNSOC

LS; LT BUFF SLI TN GRITTY BIOSPARITIC//VF SHDW OL, ABDT CHLK, N/O FAINT DK GOLD MFNSOC

LS; LT TN BRTL TR LT TN RGH TXT VF OOL, SME SHALLOO OOLCAS, PP VUG POR, WEAK V/FAINT GOLD MFNSOC

LS; GY TN HD DNS FOSS XLN, W/CHT

LS; BUFF WEATHD APPR, VF BIOSPARITIC//VFOOL, CHLKY, TR PPPOR, V/FAIT GOLD MFNSOC

LS; DK TN HD DNS XLN W/ANG SHARP OOL CHT, CRM WH CHLK, MFNSOC

HEEBNER 3952-12328ss

BLK CARB SH

SH; DK GY PRED LT GRN V/SFT LMY SME PYR, TR MICA

TORONTO 3973-1249ss

LS; LT BUFF BRTL VF CALCITIC MUD, MICA, BLK CRB MATL, BLK FLOR NSOC

LT RED PUDDING SH TR GY-GRN

LANSING 3990-1266ss

LS; CRM WH CHLK TO S-CHLKY, TR SPAR REPLCD FOSS, ABDT WH TO OPAQ ANG VIT MICRO FOSS CHT, MFNSOC N/O

LS; VLT TN TO BUFF HD DNS W/SHDW OOL, INCRS GY DNS CRINOIDAL ABDT CRM/WH CHLK MILKY TO TN ANG CHT MFNSOC

LS; DIRTY GY HD DNS XLN, SHLY MFNSOC

C

C

C

C

C

C

C

C

C

TG, C1-C5

SLI TG

TG, C1-C5

100

100

LS; BUFF BRTL WEATHD APPR, VF/SHDW OOL TR SLI OOLCAS, MICRO QTZ, MFNSOC

LANSING C 4041-1317ss

LS; V/LT OPAQ SLI TN HD DNS VF XLN, FRAC, CHLK & CALC FILL, SHDW FOSS, ABDT CRM-WH CHLK, MFNSOC

LS; BUFF BRTL WEATHD APPR, SME VF OOL & QTZ, WH & CRM CHLK, MFNSOC

LS; OFF WH BUFF WEATHD APPR, MICRO OOL & QTZ, MFNSOC

LS; BRN VF SUGARY P/SRTD OOLCAS & OOL, SME FOSS SHLTR, BLK W/GOLD TINGE MFNSOC

LS; WH BUFF HD DNS XLN CALC FREE XTLS MFNSOC

LS; TN V/LT TN LHD DNS XLN FREE CRS CALC XTLS, TR OF TRACE FOSS MFNSOC

LS; SLI GY-BUFF TN BIOSPARTIC//VF SHDW OOL, TN VIT ANG CHT MFNSOC

MCK 4156-1432ss

TR TN GRITTY VF OOL, SME PROB CHLK VF OOL FILL, SPARITIC, GOLD TO BLK FLOR NSOC PRED OFF WH HD DNS P/SRTD BIOSPARTIC//OOL

LSNG H 4172-1448ss

LS; PALE WH/BUFF HD DNS XLN IP FOSS FRGS, CRM WH CHLK, NO WEAK GOLD MFNSOC

LS; DK TN TN HD DNS XLN SME FRAC, COMGLD LT BUFF CHLK, SHDW FOSS, SCATT OOL, PRED DK GOLD MFNSOC

LSNG I 4202-1478ss

SH BLK, BRN TO GY GRN SFT SLTY IP LS CRMWH HD DNS BECOMG CRM/WH BUFF WEATHD APPR, VF SPARITIC//FOOL, TR STYLITIC IN CHLK, OPAQ TO GY VIT ANG CHT, INTBD KD OLIVE TO BLK SH MFNSOC

LSNG J 4227-1503ss

DOLO, WH SME LT CRM F-XLT, TR SHDW FOSS & OOL, COMGLD? W/ CRM WH SME DOLOMITIC IP LS W/ OOIDS & SME FOSS FRGS, BRITE YEL TO DULL SME BLK NSOC

GY TN HD DNS XLN LS

STARK 4252-15328ss

BLK CARB SH, W/PYR

LSNG K 4262-1558ss

LTN GY HD XLN FRAC IP, TR FOSS PCES, BLK OIL STNG IN VUG, W/SML GS BUBL, TR TN WH BIOSPARTIC/F-OOL, OIL STNG CUT

TR GYISH WH VF -XTL DOLO-COMGL W/ LS DK BRN PARTIAL STNG FLASH CUT, LS TN XLN W/BLK SPLITCH STNG, INTR FOSS & PART STNG, NOTE SAMPLES A MISHMASH OF LITH, BLK W/GOLD TINGE TO AMBER TO DK YEL OIL FLOR, FLASH THICK MILKY STRMG CUT

LS; LT BUFF VF SUCROSIC W/F SHDW OOL, INCRS GY TN HD DNS CRS BIOSPARTIC MFNSOC

INCRS NC4

HEAVIES CROSSOVER

C2/C1 CROSSOVER

DST # 5 STRADDLE 4110 TO 4050
IF BOB 3min 66 NO BLO BACK
FF BOB 5 MIN 70.5, NO BLO BACK
RECV 94' MUD 100% MUD
248' WCM 40% WTR 60% MUD
930' MCW 95% TR 5% MUD
TOTAL RECV 1271' 30/45/45/90
BHT 121* API RW .36 44* CHL 40,000
IHY 2141 FHY 2017
IO 65/346 FF 359/634
ISIP 1054 FSIP 1042
ANACHOR 60' DP RAN 4033

4205
MUD CHECK
WT 9.1
VIS 60+
PV 16
YP 22
GEL 10/18
PH 11
FIL 6
ALKFIL 1.2/1.4
CHL 2,000
CAL TR
SOL 5.6
LCM 2

TG, C1-C5

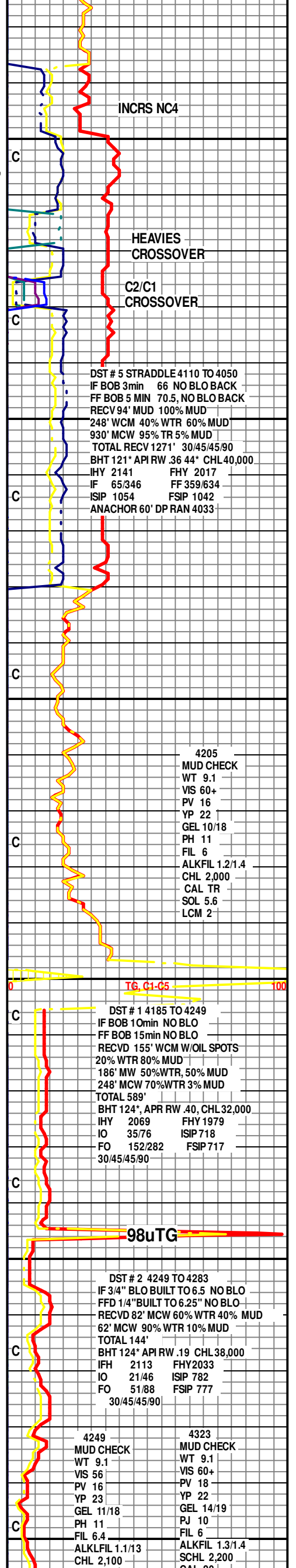
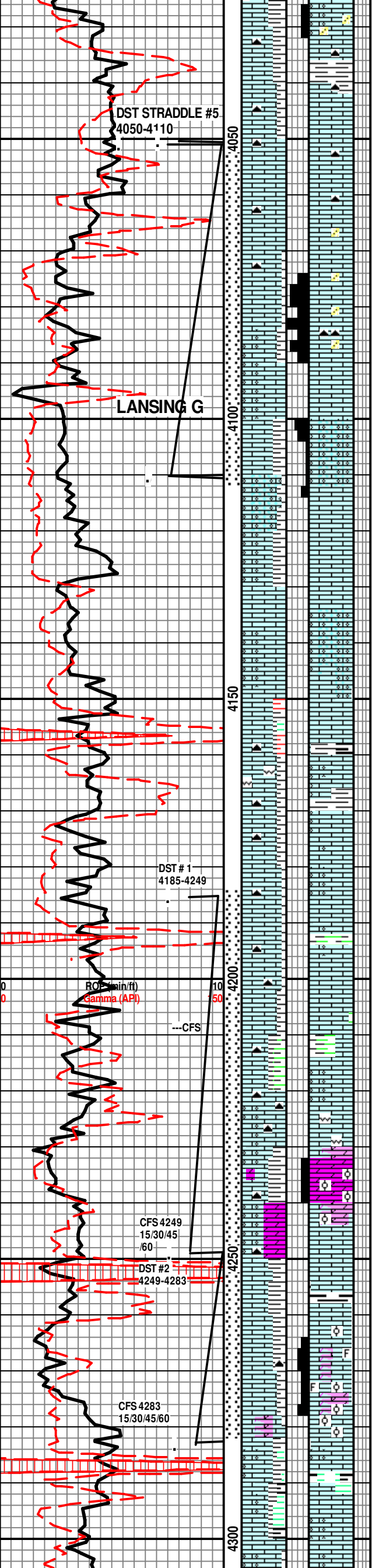
DST # 1 4185 TO 4249
IF BOB 10min NO BLO
FF BOB 15min NO BLO
RECVD 155' WCM W/OIL SPOTS
20% WTR 80% MUD
186' MW 50%WTR, 50% MUD
248' MCW 70%WTR 3% MUD
TOTAL 589'
BHT 124* APR RW 40, CHL 32,000
IHY 2069 FHY 1979
IO 35/76 ISIP 718
FO 152/282 FSIP 717
30/45/45/90

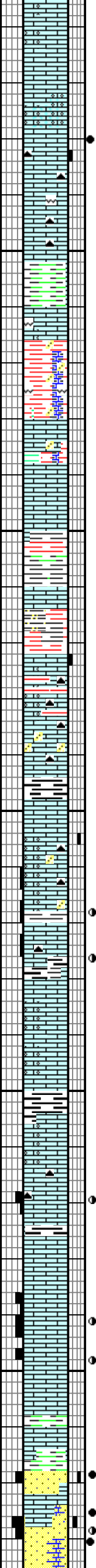
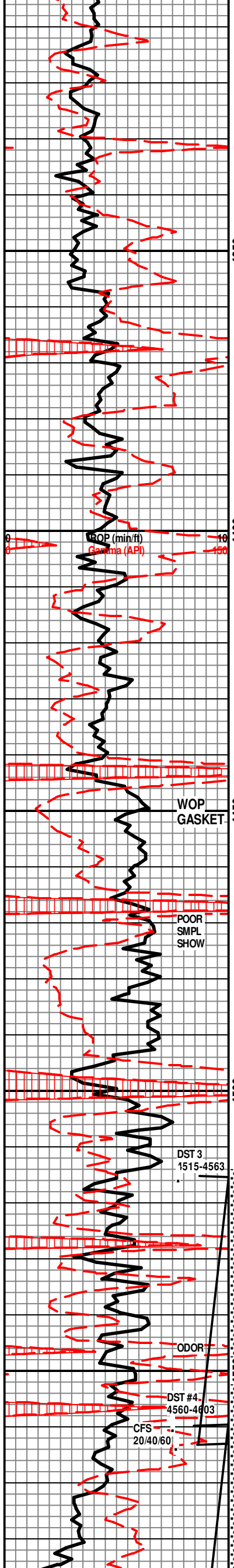
98uTG

DST # 2 4249 TO 4283
IF 3/4" BLO BUILT TO 6.5 NO BLO
FFD 1/4" BUILT TO 6.25" NO BLO
RECVD 82' MCW 60% WTR 40% MUD
62' MCW 90% WTR 10% MUD
TOTAL 144'
BHT 124* API RW .19 CHL 38,000
IFH 2113 FHY 2033
IO 21/46 ISIP 782
FO 51/88 FSIP 777
30/45/45/90

4249
MUD CHECK
WT 9.1
VIS 56
PV 16
YP 23
GEL 11/18
PH 11
FIL 6.4
ALKFIL 1.1/1.3
CHL 2,100

4323
MUD CHECK
WT 9.1
VIS 60+
PV 18
YP 22
GEL 14/19
PJ 10
FIL 6
ALKFIL 1.3/1.4
SCHL 2,200
CAL 2





SH GRN GY GRN SFT MICA

LS; GY TN HD DNS XLN SLI SHLY SME CHT

LS; CRM WH CHLKY F-OOL, & FOSS,

BKC 4336-1612ss

LS; CRM WH CHLLKY W/PSRTD OOL & FOSS, SME BLK SH INCLUS, INCRS TO HD BIOSPARTIC//P-SRTD OOL, CRM TO GY CHLKY W/PELL, TR CHT, MFNSOC

MARMATON 4356-1632ss

LS; PALE TN WH HD DNS XLN SHDW OOL, SME GRITTY CHLKY W/VF ATZ, STOLITIC CHLK IP, CRM WH CHLK, INCRS TN HD DNS XLN FRAC W/CRS CRIN, DULL GOLD MFNSOC N/O

SH; GRN, BRICK RED W/VF QTZ, TO GY GRN

LS; GY TN HD XLN SHDW FOSS FRGS NO SHOW

SH; BRONZE TO DK GY SME GRN LMY

LS; TN GY HD DNS XLN TRACE FOSS, INTBD REDBRN TO BLK SH SME SLTY SNDY

LS; TN HD FRAC XLN RE LT GYWH W/FOSS, RED XLN LS W/SHDW VF OOL, NO SHOW

LS; CRM WH WEATHD APPR SHDW F-OOL, WH VF SUCROSIC, SME W/QTZ, GY HD ANG VIT CHT W/CRIN FOSS IMBD, INCRS DK TN HD XLN, INTBD RED LMY SH

PAWNEE 4447-1723ss

LS; LT TN TO BUFF TN HD DNS XLN CALCITE FILL, SME LT BRNISH S-CHLKY W/SHDW F OOL, CLR VF CALC XTL CMT, WH CHT, DULL GOLD MIN FLOR TR DK BRN STNG SLO THIN MILKY CUT

MKS 4474-1750ss

BLK CRB SH PYR

LS; PALE TN HD DNS XLN FRAC TR SHDW VFOOL, DK GOLD MIN FLOR NSOC

BLK CARB TO DK GY SME GRN

FT SCOTT 4502-1778ss

LS; SME MED TN WEATHD APPR W/VF SHDW OOL, PRED LT TN TO BUFF HD XLN FAINT GOLD MFNSOC NO ODOR

TR (1) PCE GYWH HD DNS BLKY FRAC XLN, DK BRN SPLITCH & FRAC FILL STN, V/FAINT GOLD FLOR, V/SLOW THIN MILKY CUT

CHEROKEE 4526-1802ss

LS; GY WH TN HD DNS XLN, FRAC W/PP SCATT VUGS, DK BRN OIL STNG SPLITCHY, TR SPAR CMTD RGH TXT P-SRTD BIOSPARTIC//P-SRTD OOL HEAVY RIM COATED TR SLI OOLCAS BRN STNG OVER ALL IP, SME GAS BUBL AFTER 30minWEAK YEL FLOR, FLASH MILKY CUT BECG THIN STRMG

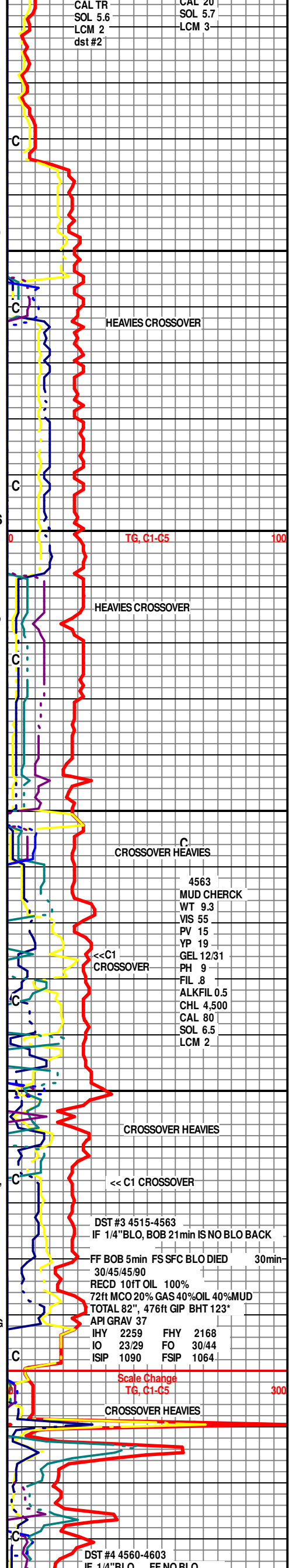
JZN 4562-1838ss

short trip above 4249, pulled tite kept pulling +5stds after loose total 12 stds

GRN TO BLK SFT SH

LS; LT TO DK TN HS XLN FLAKY FRAC, CHLK EDGES TR P/SRT TN OODS

SS; OFF WH CLR, W/DK BRN OVER-ALL STNG HD TT TO FRI, SILIC CMT IP, BECMG LMY, S-RD GRNS, BLK TO WEAK YEL FLOR, FAINT ODOR, FLASH MILKY STGRMG CUT STRONG RESID CUT--YEL-BLU-WH

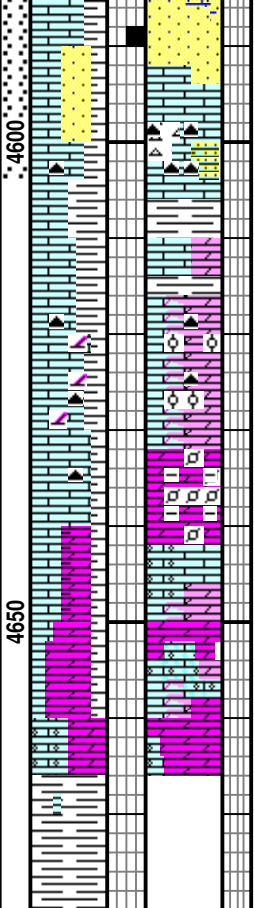
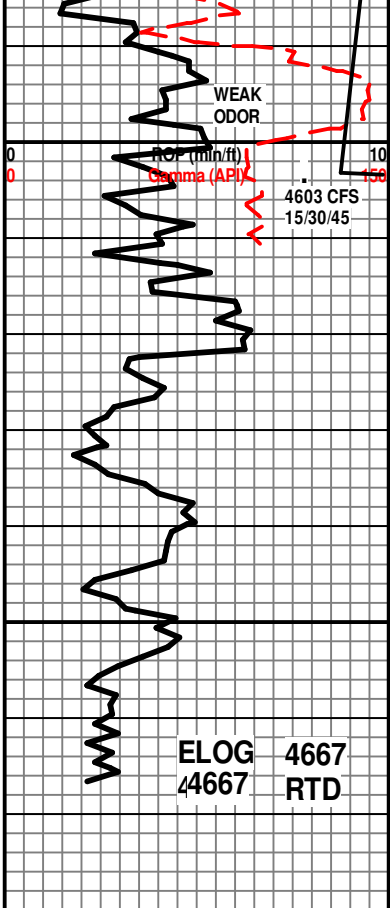


4563	MUD CHERCK
WT 9.3	
VIS 55	
PV 15	
YP 19	
GEL 12/31	
PH 9	
FIL .8	
ALKFIL 0.5	
CHL 4,500	
CAL 80	
SOL 6.5	
LCM 2	

DST #3 4515-4563	IF 1/4" BLO, BOB 21min IS NO BLO BACK
FF BOB 5min FS SFC BLO DIED	30min-30/45/45/90
RECD 10ft OIL 100%	
72ft MCO 20% GAS 40% OIL 40% MUD	
TOTAL 82", 476ft GIP BHT 123"	
API GRAV 37	
IHY 2259	FHY 2168
IO 23/29	FO 30/44
ISIP 1090	FSIP 1064

Scale Change
TG, C1-C5

DST #4 4560-4603
IF 1/4" BLO, BOB 21min IS NO BLO BACK



LS; SME TN XLN, 80% YEL, WH, TN VIT TO, TRIP
 CHT, MICRO FOSS, SILIC WH CLEAN SS

<<WOP AFTER TIH TO DRILL

MISS 4600-1876ss

SH; YEL GRN SLTYSNDY PYR

DOLOMITIC LS & LS; CRM WH P/SRTD
 OOL, DOLOMITIC IP, CHLKY TO DNS
 FLKY FRAC-OOL, BUFF VF DOLO, SME
 IMBD WH CHT,

DOLO; LT GYISH BUFF, VF DIVID FRM,
 ABDT VF GY PELL SME SPOCHES,
 MFNSOC

SLT BUFF TO TN SPAR CMTED P/SRTD F-LWR
 MED OOL, SME FOSS SHLTR, ABDT T GYISH BRN
 VF DIVID DOLO W/ ABDT PELL & SH SPLATCH

THANKS FOR USING
 MBC WELL LOGGING
 AUSTIN & MARLA GARNER

