



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1262661
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
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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: _____



1262661

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
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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				

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: Yes No

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

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

DISPOSITION OF GAS: <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> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Minney 1-1 A
Doc ID	1262661

All Electric Logs Run

DIL
CND
Micro
Deviation

Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Minney 1-1 A
Doc ID	1262661

Tops

Name	Top	Datum
Anhydrite	2856	(+289)
Anhydrite Base	2893	(+252)
Heebner	3986	(-841)
Lansing	4035	(-890)
Stark	4228	(-1083)
Marmaton	4316	(-1171)
Pawnee	4408	(-1263)
Cherokee Sh	4482	(-1337)
Mississippian	4702	(-1557)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas Inc.
 3501 S. Yale
 Tulsa Ok, 74135
 ATTN: Anthony Luna

1-5S-36W

Minney #1-1"A"

Job Ticket: 64977

DST#: 1

Test Start: 2015.06.07 @ 01:18:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:23:15
 Time Test Ended: 09:10:30
 Interval: **4000.00 ft (KB) To 4045.00 ft (KB) (TVD)**
 Total Depth: 4045.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: #54
 Reference Elevations: 3145.00 ft (KB)
 3140.00 ft (CF)
 KB to GR/CF: 5.00 ft

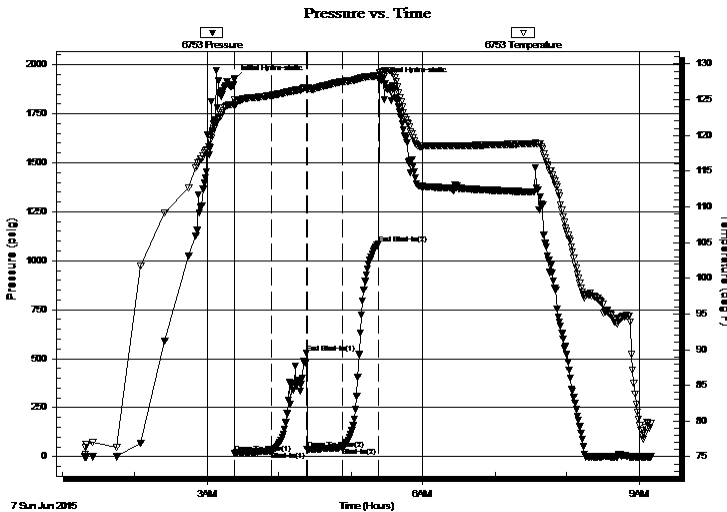
Serial #: 6753

Outside

Press @ Run Depth: 46.65 psig @ 4001.00 ft (KB)
 Start Date: 2015.06.07 End Date: 2015.06.07
 Start Time: 01:18:05 End Time: 09:10:29
 Capacity: 8000.00 psig
 Last Calib.: 2015.06.07
 Time On Btm: 2015.06.07 @ 03:23:00
 Time Off Btm: 2015.06.07 @ 05:23:45

TEST COMMENT: 30 - IF - Surface blow built to 3/4"
 30 - ISI - No Return
 30 - FF - No Surface blow
 30 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1926.68	124.94	Initial Hydro-static
1	17.98	124.25	Open To Flow (1)
31	28.83	125.62	Shut-In(1)
60	527.56	126.74	End Shut-In(1)
61	35.60	126.51	Open To Flow (2)
90	46.65	127.52	Shut-In(2)
120	1085.04	128.37	End Shut-In(2)
121	1916.39	128.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	ThickOCM - 55M - 45o	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas Inc.

1-5S-36W

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 64977

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.06.07 @ 01:18:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	ThickOCM - 55M - 45o	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

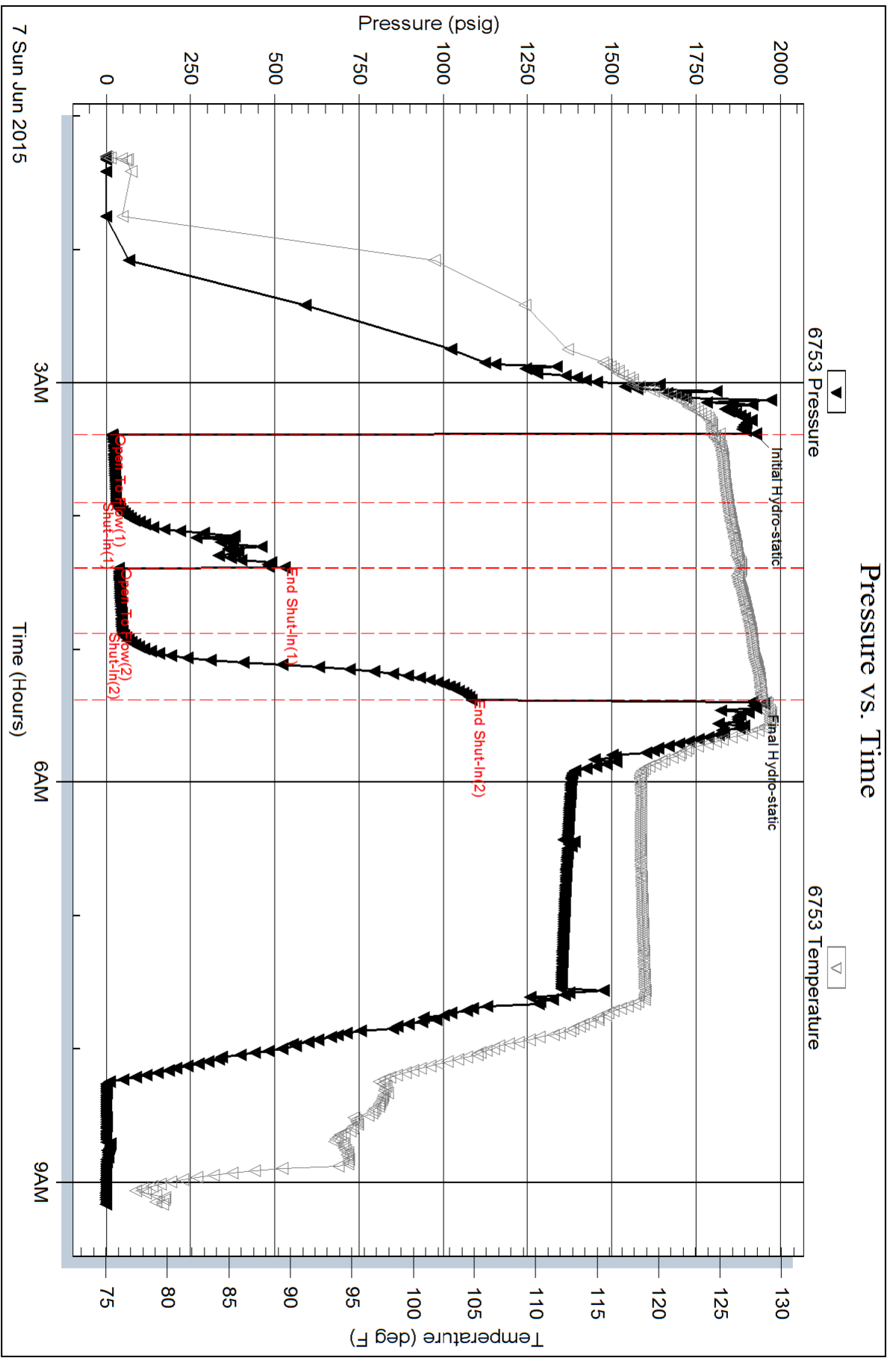
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



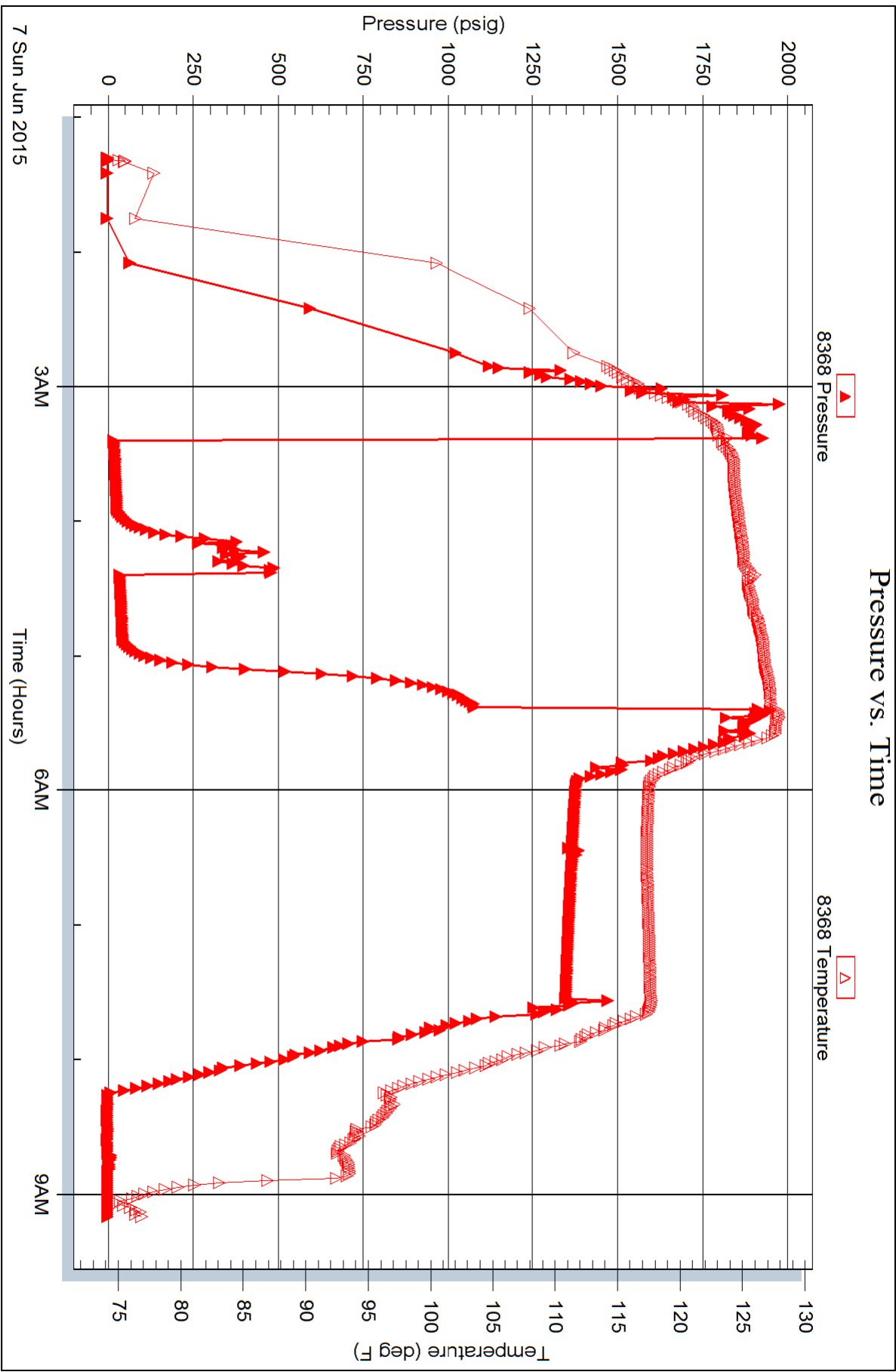
Serial #: 8368

Inside

Culbreath Oil & Gas Inc.

Minney #1-1"A"

DST Test Number: 1





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Culbreath Oil & Gas Inc.

1-5S-36W

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 62182

DST#: 2

ATTN: Anthony Luna

Test Start: 2015.06.09 @ 10:57:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:31:15

Time Test Ended: 17:44:15

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: #54

Interval: 4410.00 ft (KB) To 4450.00 ft (KB) (TVD)

Reference Elevations: 3145.00 ft (KB)

Total Depth: 4450.00 ft (KB) (TVD)

3140.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8368

Inside

Press@RunDepth: 24.14 psig @ 4411.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.09

End Date:

2015.06.09

Last Calib.:

2015.06.09

Start Time:

10:57:05

End Time:

17:44:14

Time On Btm:

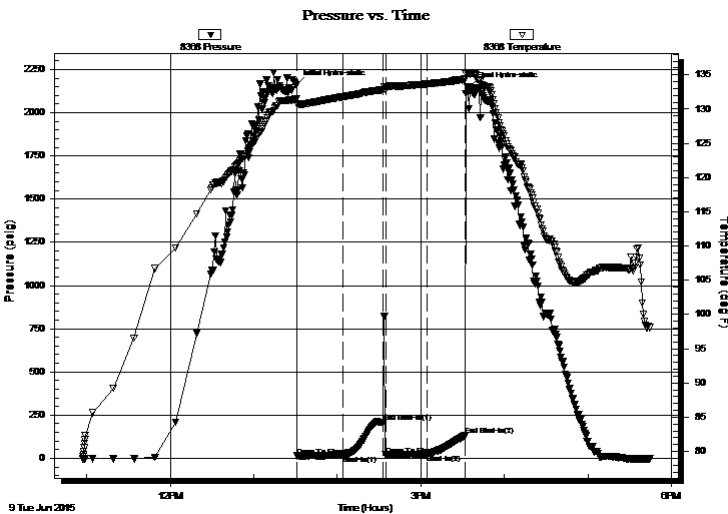
2015.06.09 @ 13:30:45

Time Off Btm:

2015.06.09 @ 15:35:00

TEST COMMENT: 30 - IF: Got head in around 5 min., No blow
30 - IS: No blow
30 - FF: No blow, flushed tool, Surge then dead
30 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.21	131.49	Initial Hydro-static
1	14.25	130.80	Open To Flow (1)
34	17.88	131.80	Shut-In(1)
63	207.68	132.84	End Shut-In(1)
64	20.14	133.12	Open To Flow (2)
94	24.14	133.67	Shut-In(2)
121	130.88	134.28	End Shut-In(2)
125	2152.41	135.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 61% m, 37% o, 2% g	0.05
0.00	a few inches of free oil	0.00
0.00	50' 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

Culbreath Oil & Gas Inc.

1-5S-36W

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 62182

DST#: 2

ATTN: Anthony Luna

Test Start: 2015.06.09 @ 10:57:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 61% _m , 37% _o , 2% _g	0.049
0.00	a few inches of free oil	0.000
0.00	50' GIP	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

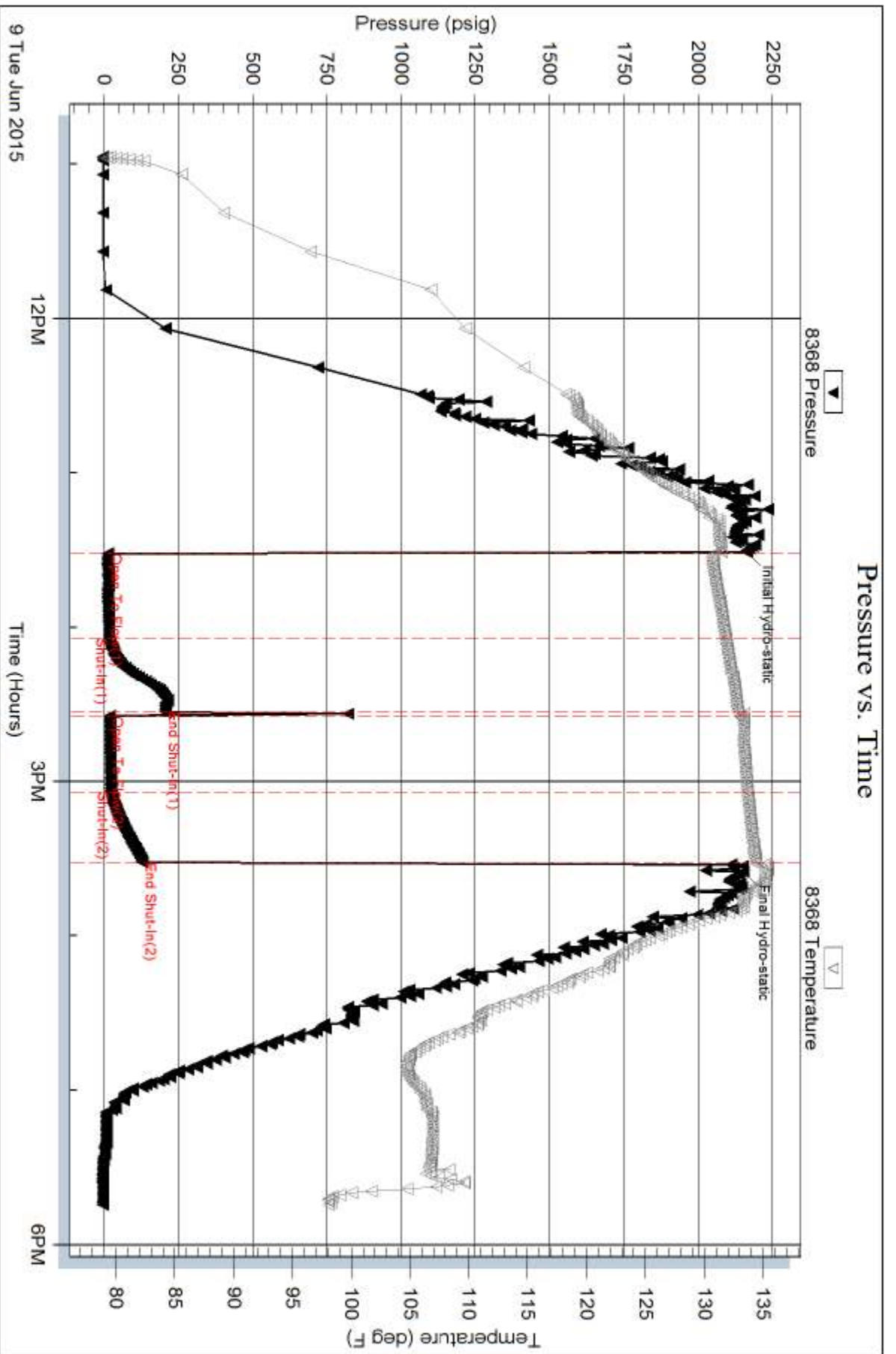
Serial #: 8368

Inside

Culbreath Oil & Gas Inc.

Minney #1-1"A"

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62182

Printed: 2015.06.10 @ 08:14:55



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Culbreath Oil & Gas Inc.

1-5S-36W

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 62183

DST#: 3

ATTN: Anthony Luna

Test Start: 2015.06.10 @ 08:11:00

GENERAL INFORMATION:

Formation: **Cherokee LS**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:39:45

Time Test Ended: 15:10:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 4498.00 ft (KB) To 4526.00 ft (KB) (TVD)

Reference Elevations: 3145.00 ft (KB)

Total Depth: 4526.00 ft (KB) (TVD)

3140.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8791

Inside

Press@RunDepth: 17.03 psig @ 4499.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.10

End Date:

2015.06.10

Last Calib.: 2015.06.10

Start Time: 08:11:05

End Time:

15:09:59

Time On Btm: 2015.06.10 @ 10:39:15

Time Off Btm: 2015.06.10 @ 12:44:00

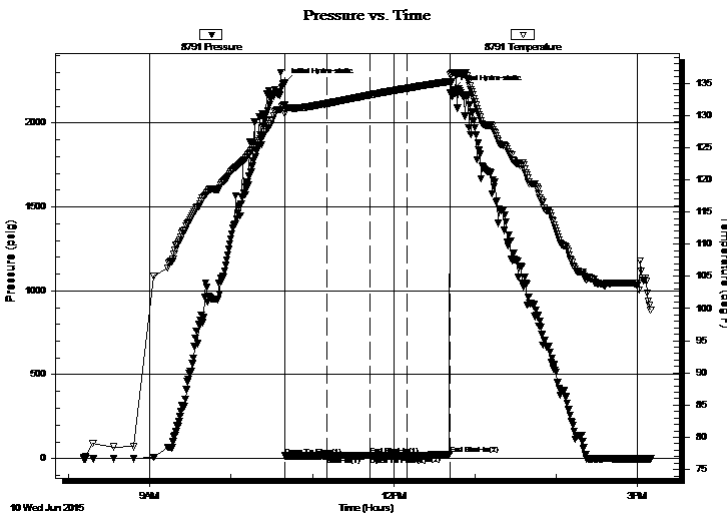
TEST COMMENT: 30 - IF: Surface blow, died back, dead at 13 min.

30 - IS: No blow

30 - FF: No blow

30 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.54	131.59	Initial Hydro-static
1	15.80	130.92	Open To Flow (1)
32	16.18	131.84	Shut-In(1)
63	19.51	133.15	End Shut-In(1)
64	15.60	133.17	Open To Flow (2)
91	17.03	134.20	Shut-In(2)
122	24.72	135.26	End Shut-In(2)
125	2199.14	136.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	OCM 89% m, 10% o, 1% g	0.01
0.00	a couple inches of free oil	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

Culbreath Oil & Gas Inc.

1-5S-36W

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 62183

DST#: 3

ATTN: Anthony Luna

Test Start: 2015.06.10 @ 08:11:00

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	OCM 89%m, 10%o, 1%g	0.010
0.00	a couple inches of free oil	0.000

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

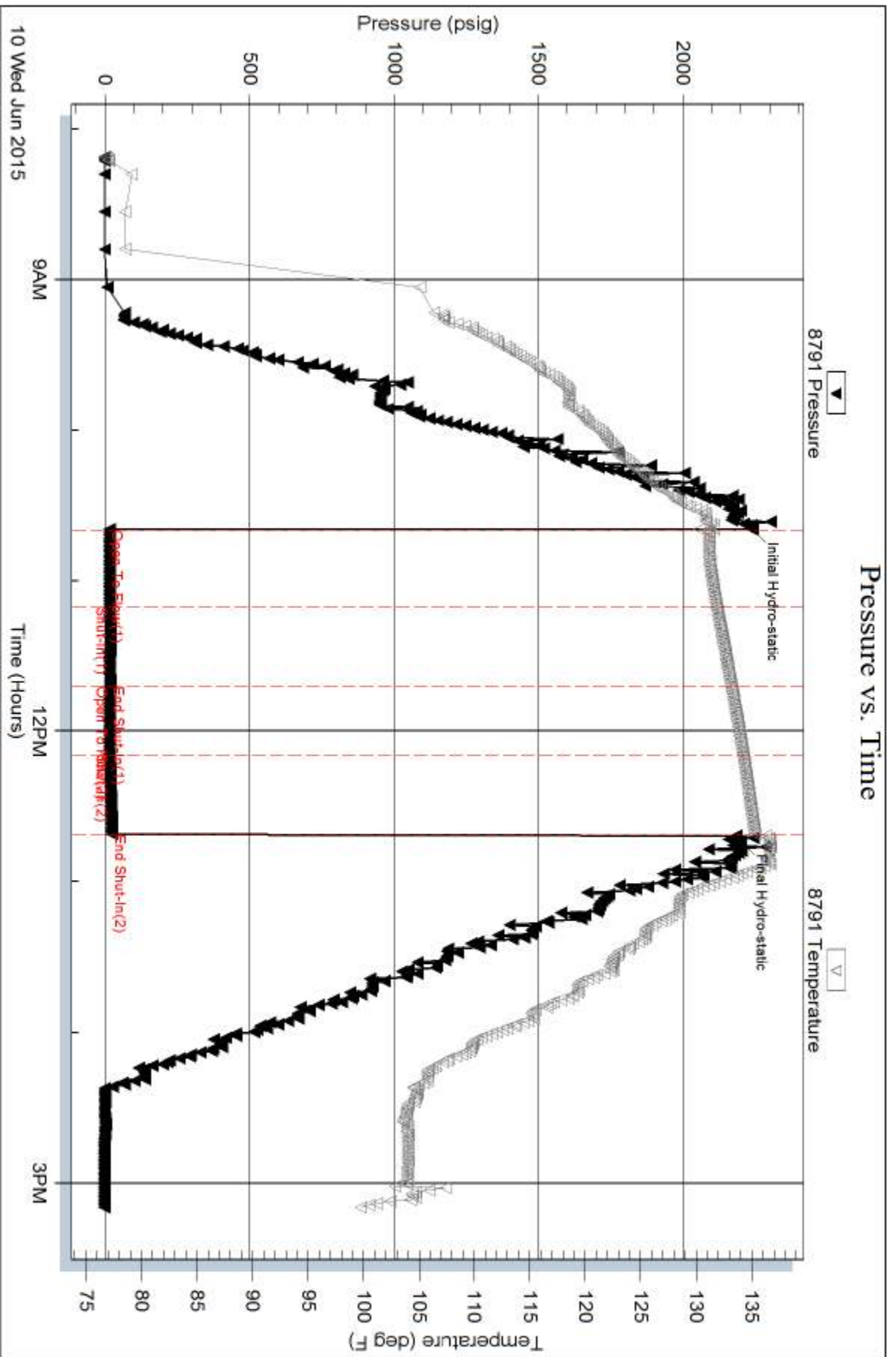
Serial #: 8791

Inside

Culbreath Oil & Gas Inc.

Minney #1-1"A"

DST Test Number: 3





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Culbreath Oil & Gas Inc.

1-5S-36W Rawlins KS

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 62184

DST#: 4

ATTN: Anthony Luna

Test Start: 2015.06.11 @ 00:16:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:06:00

Time Test Ended: 04:33:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 4524.00 ft (KB) To 4560.00 ft (KB) (TVD)

Reference Elevations: 3145.00 ft (KB)

Total Depth: 4560.00 ft (KB) (TVD)

3140.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8791 Inside

Press@RunDepth: psig @ 4525.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.11 End Date: 2015.06.11

Last Calib.: 2015.06.11

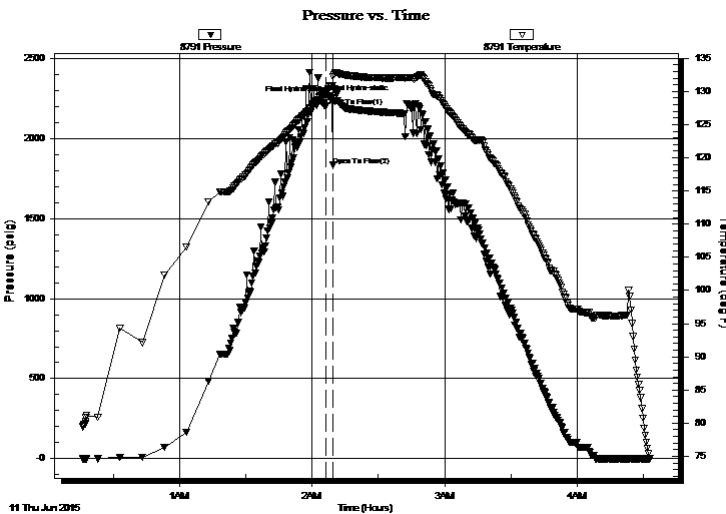
Start Time: 00:16:05 End Time: 04:32:59

Time On Btm: 2015.06.11 @ 02:03:15

Time Off Btm: 2015.06.11 @ 02:09:30

TEST COMMENT: Packer Failure
Reset tool - failed again
Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.79	129.17	Initial Hydro-static
3	2203.08	129.54	Open To Flow (1)
6	1833.36	130.86	Open To Flow (2)
7	2238.52	132.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	Mud 100%	1.57

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas Inc.

1-5S-36W Rawlins KS

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 62184

DST#: 4

ATTN: Anthony Luna

Test Start: 2015.06.11 @ 00:16:00

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: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
190.00	Mud 100%	1.568

Total Length: 190.00 ft Total Volume: 1.568 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8791

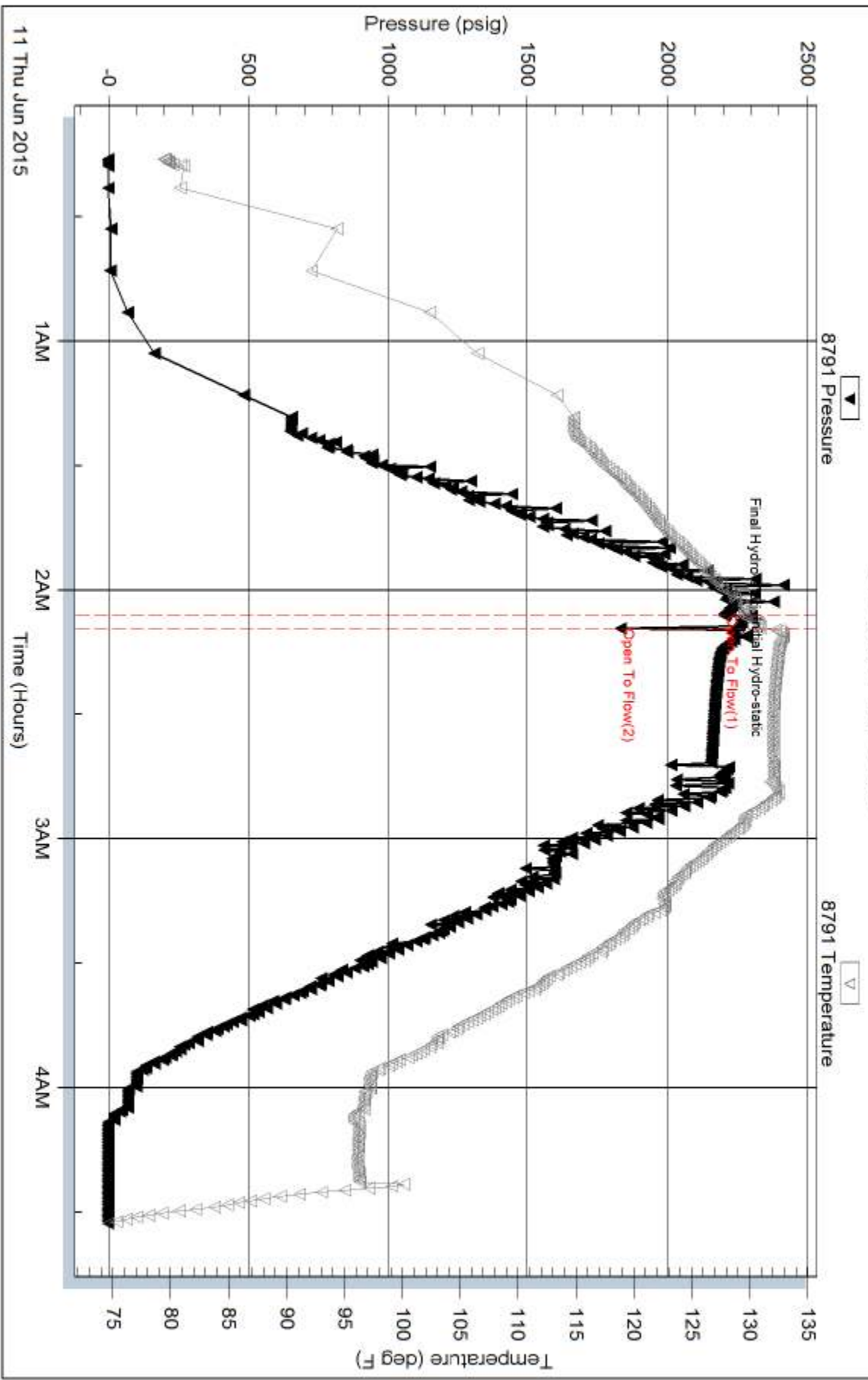
Inside

Culbreath Oil & Gas Inc.

Minney #1-1"A"

DST Test Number: 4

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Culbreath Oil & Gas Inc.

1-5S-36W Rawlins KS

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1 "A"

Job Ticket: 62185

DST#: 5

ATTN: Anthony Luna

Test Start: 2015.06.12 @ 14:22:00

GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:15

Time Test Ended: 22:08:45

Test Type: Conventional Straddle (Reset)

Tester: James Winder

Unit No: 83

Interval: 4236.00 ft (KB) To 4274.00 ft (KB) (TVD)

Reference Elevations: 3145.00 ft (KB)

Total Depth: 4805.00 ft (KB) (TVD)

3140.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8791

Inside

Press @ RunDepth: 43.76 psig @ 4237.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.12

End Date:

2015.06.12

Last Calib.:

2015.06.12

Start Time: 14:22:05

End Time:

22:08:44

Time On Btm:

2015.06.12 @ 16:50:00

Time Off Btm:

2015.06.12 @ 19:53:45

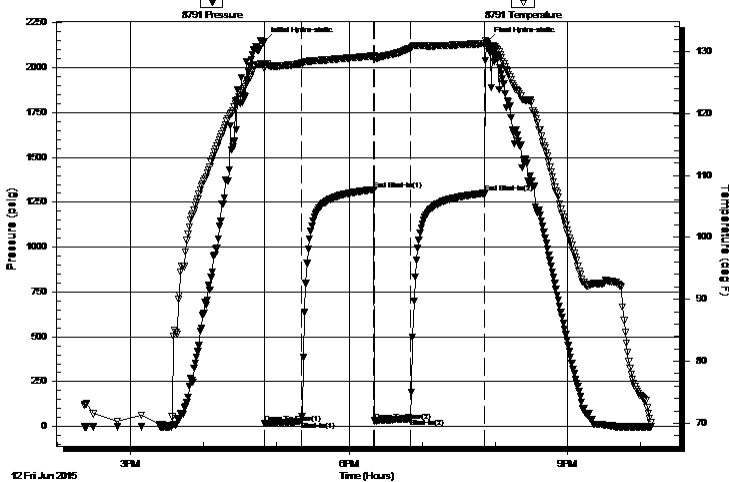
TEST COMMENT: 30 - IF: 1/4" Blow at open, built to 1 1/2"

60 - IS: No blow back

30 - FF: No blow

60 - FS: No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.15	127.98	Initial Hydro-static
1	16.93	127.28	Open To Flow (1)
31	29.59	128.06	Shut-In(1)
91	1320.43	129.29	End Shut-In(1)
91	31.81	128.85	Open To Flow (2)
121	43.76	130.52	Shut-In(2)
182	1301.01	131.27	End Shut-In(2)
184	2144.90	130.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	Mud 100%	0.30
0.00	trace of oil in tool	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

Culbreath Oil & Gas Inc.

1-5S-36W Rawlins KS

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 62185

DST#: 5

ATTN: Anthony Luna

Test Start: 2015.06.12 @ 14:22:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	Mud 100%	0.300
0.00	trace of oil in tool	0.000

Total Length: 61.00 ft Total Volume: 0.300 bbl

Num Fluid Samples: 0

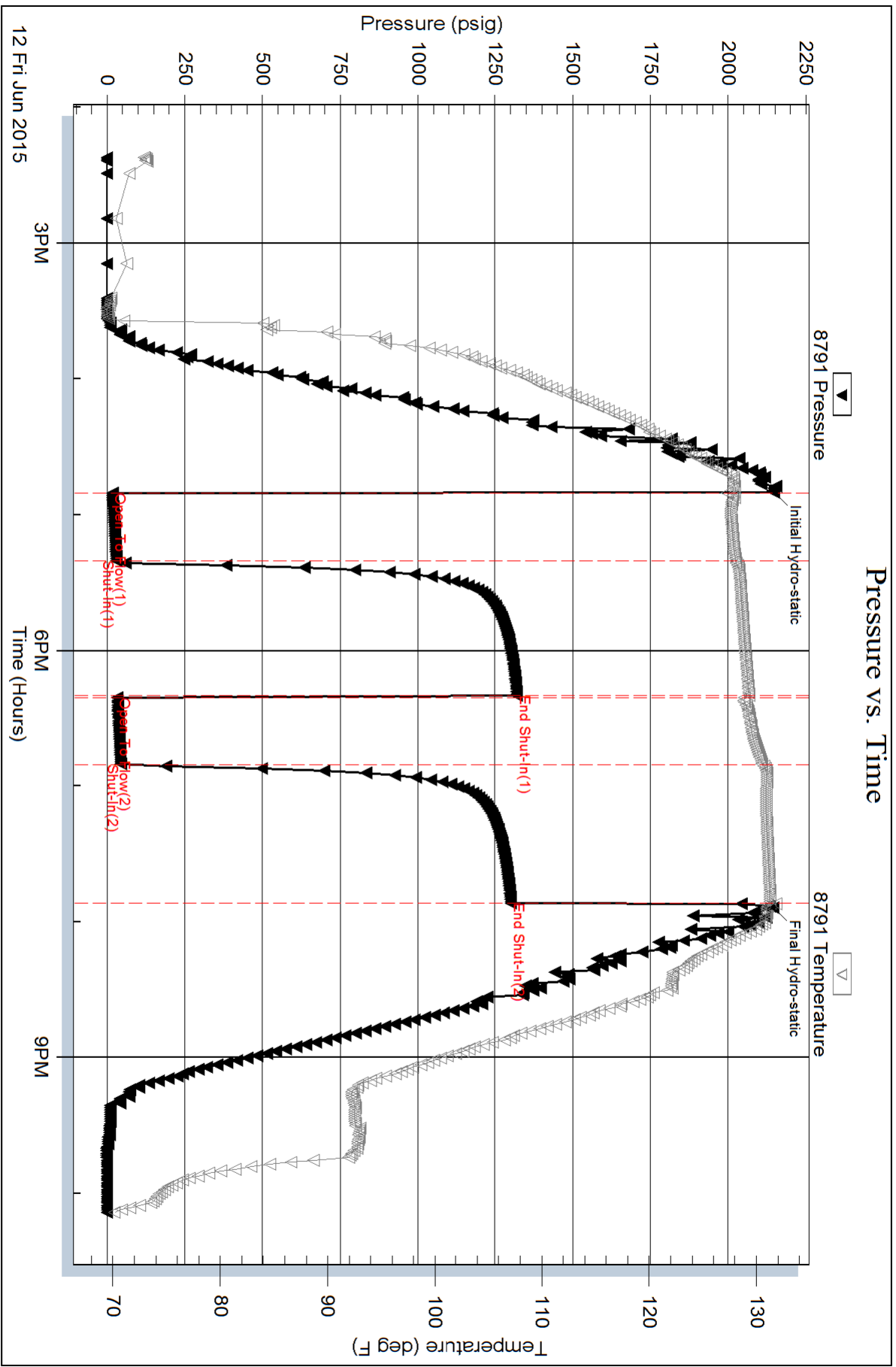
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

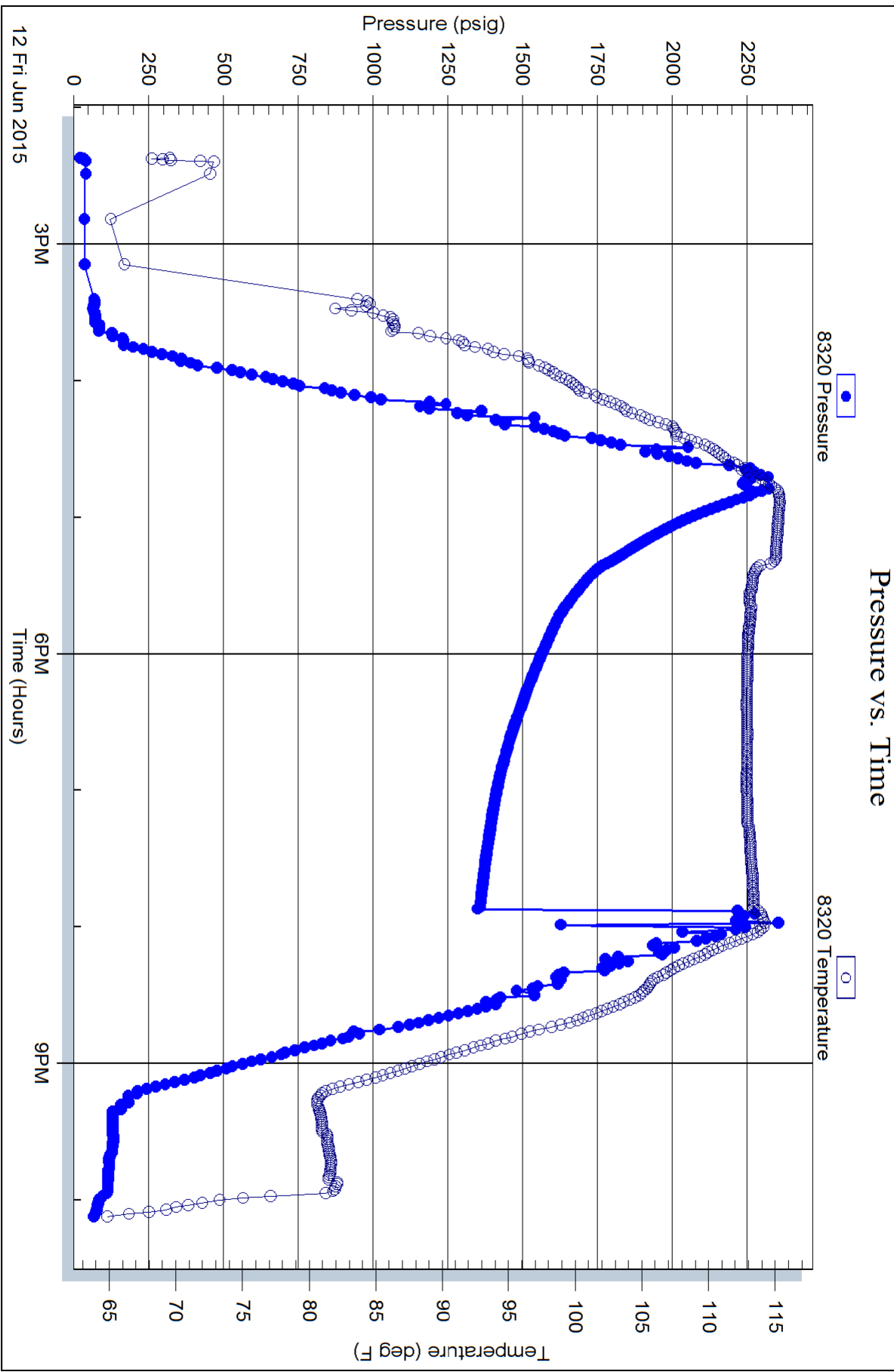


Serial #: 8320

Below (Strathgath Oil & Gas Inc.)

Minney #1-1"A"

DST Test Number: 5





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: Minney #1-1 "A"

API: 15-153-21146-00-00

Location: Rawlins County

License Number: 34344

Spud Date: 6/1/15

Surface Coordinates: 1000' FSL & 1420' FWL

Section 1-T5S-R36W

Bottom Hole Coordinates: Vertical Well w/ minimal deviation

Region: Kansas

Drilling Completed: 6/13/15

Ground Elevation (ft): 3140'

K.B. Elevation (ft): 3145'

Logged Interval (ft): 3750' To: TD

Total Depth (ft): RTD - 4820/LTD - 4805'

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 - 2856 (+289)
Anhydrite Base - 2893 (+252)
Topeka - 3816 (-671)
Heebner - 3986 (-841)
Lansing - 4035 (-890)
Muncie Crk - 4154 (-1009)
Stark - 4228 (-1083)
Hushpuckney - 4262 (-1117)
Base KC - 4282 (-1137)
Marmaton - 4316 (-1171)
Pawnee - 4408 (-1263)
Myrick Station - 4436 (-1291)
Fort Scott - 4463 (-1318)
Cherokee Sh - 4482 (-1337)
Mississippian - 4702 (-1557)

DSTs

Drillstem testing performed by Trilobite Testing (Oberlin Office)

DST #1 4000-4045 (Toronto)

30:30:30:30

IF: Built to 3/4in, no return

FF: Surface blow died, no return

Recovery: 60' Thick OCM (45%O, 55%M)

IHP: 1926 FHP: 1916

IFP: 17-35 ISIP: 527

FFP: 28-46 FSIP: 1058

BHT - 128 F

Strap Pipe - .71 long

Survey @ 4045 - 1 deg

DST #2 4410-4450 (Pawnee)

30:30:30:30

IF: No blow, no return

FF: No blow, no return

Recovery: 50' GIP, Few inches of Free Oil, 10' OCM (2%G, 37%O, 61%M)

IHP: 2164 FHP: 2152

IFP: 14-20 ISIP: 208

FFP: 18-24 FSIP: 131

BHT - 134 F

NOTE: Tool hit botton 8' high, Head joint put on 5min into test

DST #3 4498-4526 (Cherokee LS)

30:30:30:30

IF: Surface blow, no return

FF: No blow, no return

Recovery: Few inches of free oil, 2' OCM (1%G, 10%O, 89%M)

IHP: 2239 FHP: 2199

IFP: 16-16 ISIP: 20

FFP: 16-17 FSIP: 25

BHT - 135 F

Strap Pipe - 1.13 short to board

DST #4 4524-4560 (Cherokee Sand)

Packer Failed

DST #5 4236-4274 (LKC "K")

30:60:30:60

IF: Built to 1 1/2in, no return

FF: No blow, no return

Recovery: 61' MW (%M, %W)

IHP: 2147 FHP: 2145

IFP: 17-32 ISIP: 1320

FFP: 30-44 FSIP: 1301

BHT - 131 F

COMMENTS

Based on the results of drillstem testing and log & sample analysis, it is recommended that this well 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

	Silty
	Sand
	Dol
	Chlorite
	Anhy
	Arggrn
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtlt
	Dol

STRINGER

	Red shale
	Sh
	Sandylms
	Lms
	Gryslt
	Grysh
	Dol
	Clystn
	Carbsh
	Anhy
	Arg
	Bent
	Coal
	Dol
	Gyp
	Ls
	Mrst

	Feldspar
	Ferrpel
	Ferr
	Glau
	Gyp
	Hvymin
	Kaol
	Marl
	Minxl
	Nodule
	Phos
	Pyr
	Salt
	Sandy
	Silt
	Sil
	Sulphur
	Tuff

	Sltstrg
	Ssstrg

TEXTURE

	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

OIL SHOW

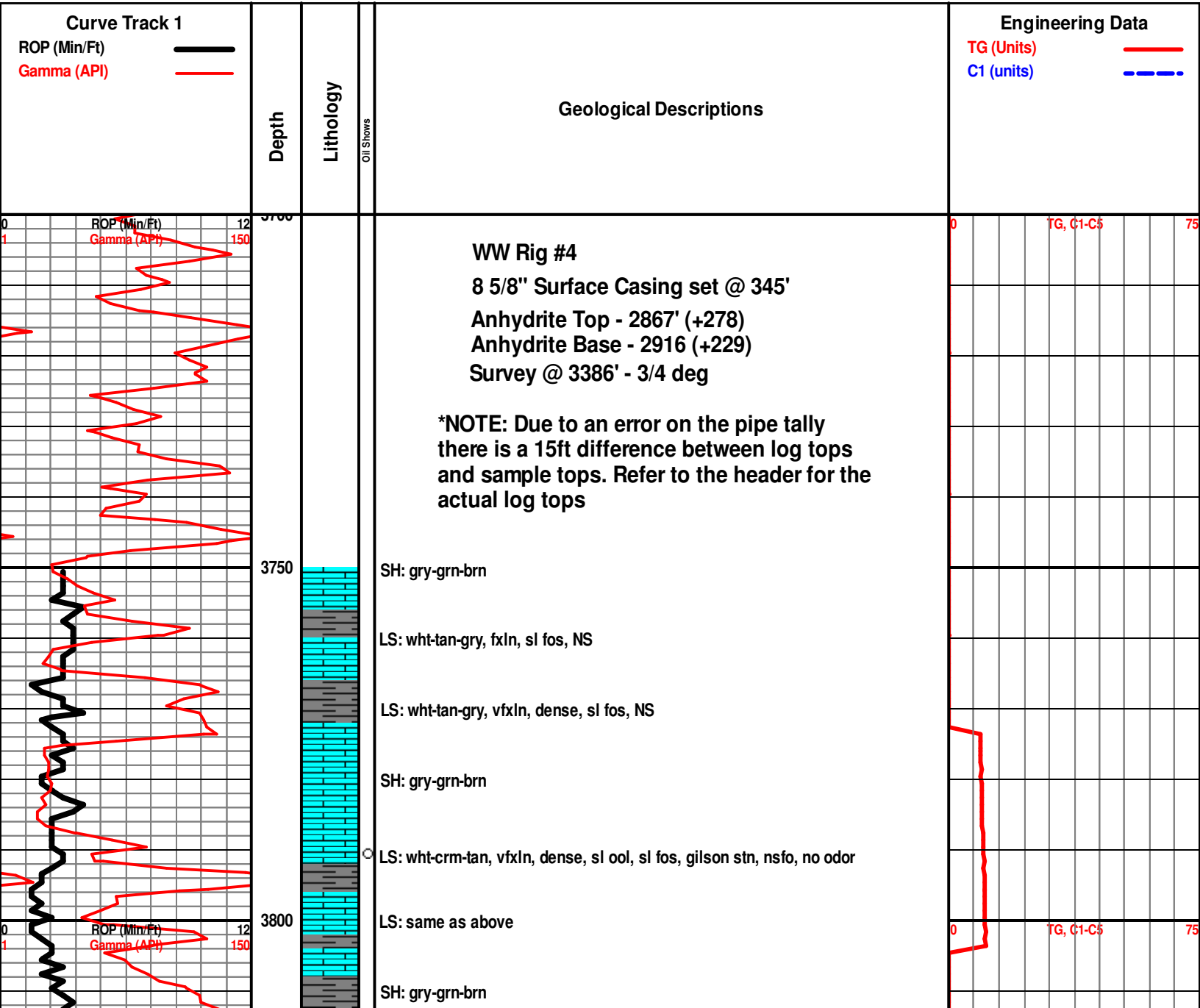
	Gas show
	Good
	Fair
	Poor
	Dead

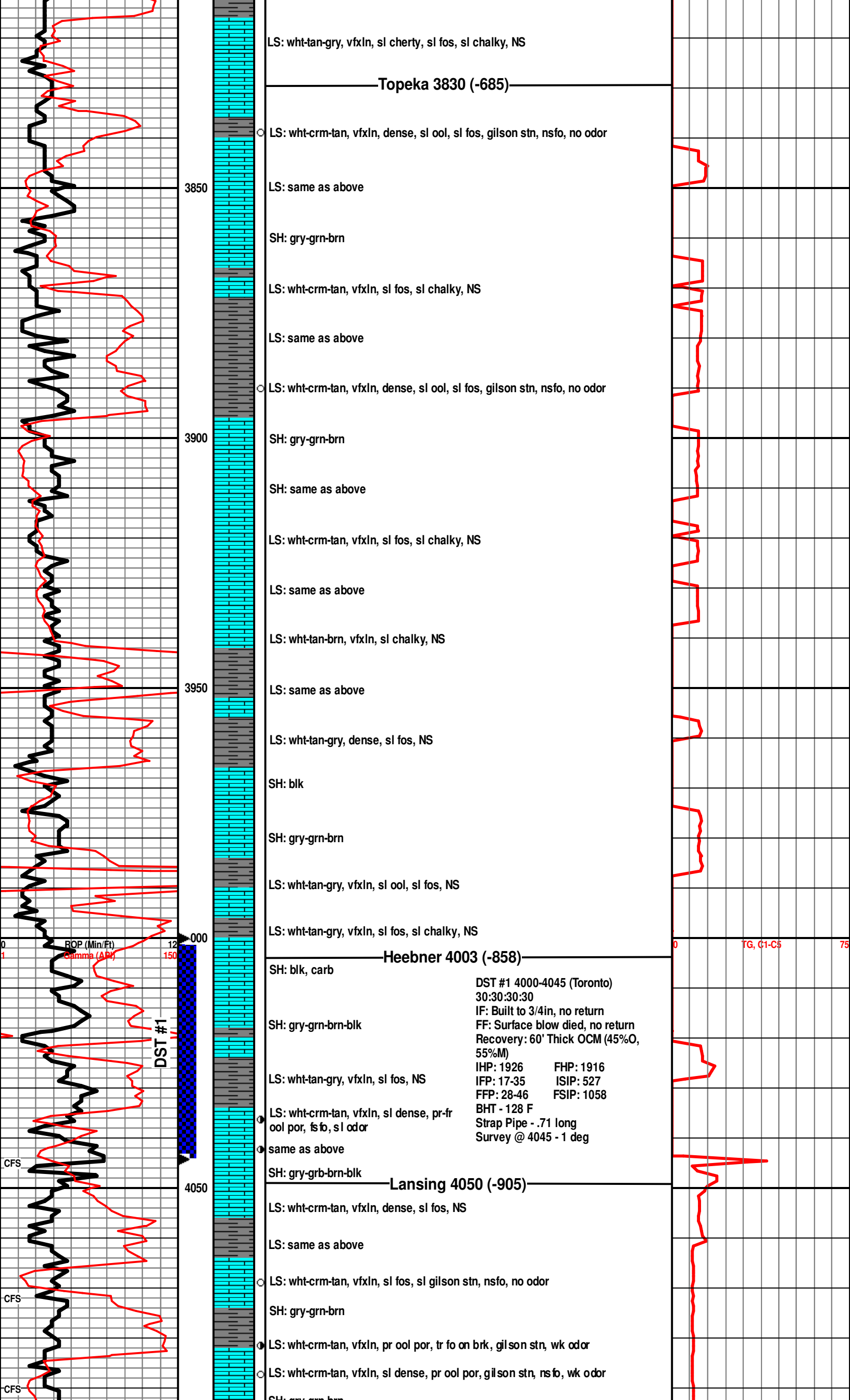
INTERVAL

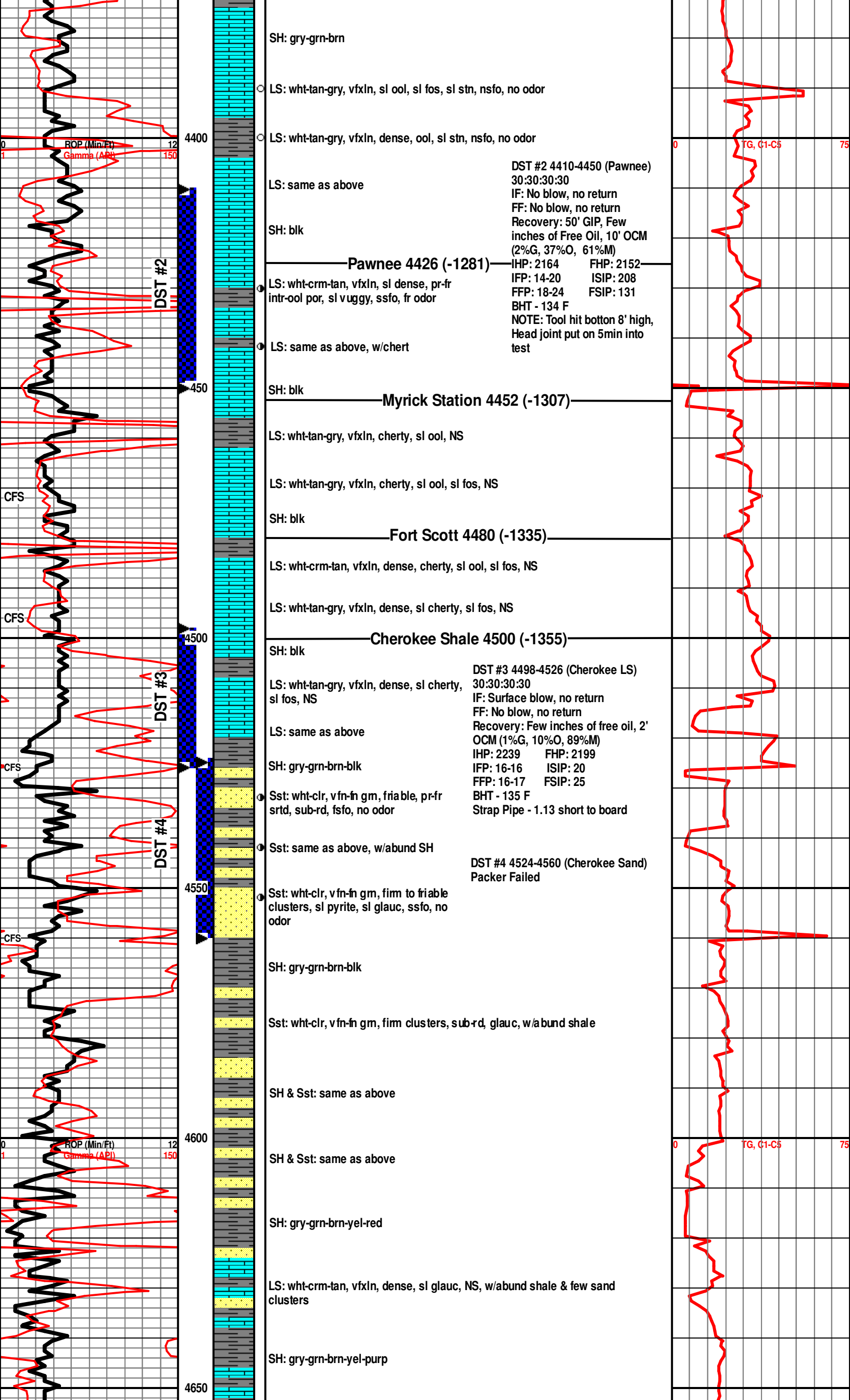
	Dst
	Core
	Dst
	Straddle test tail pip

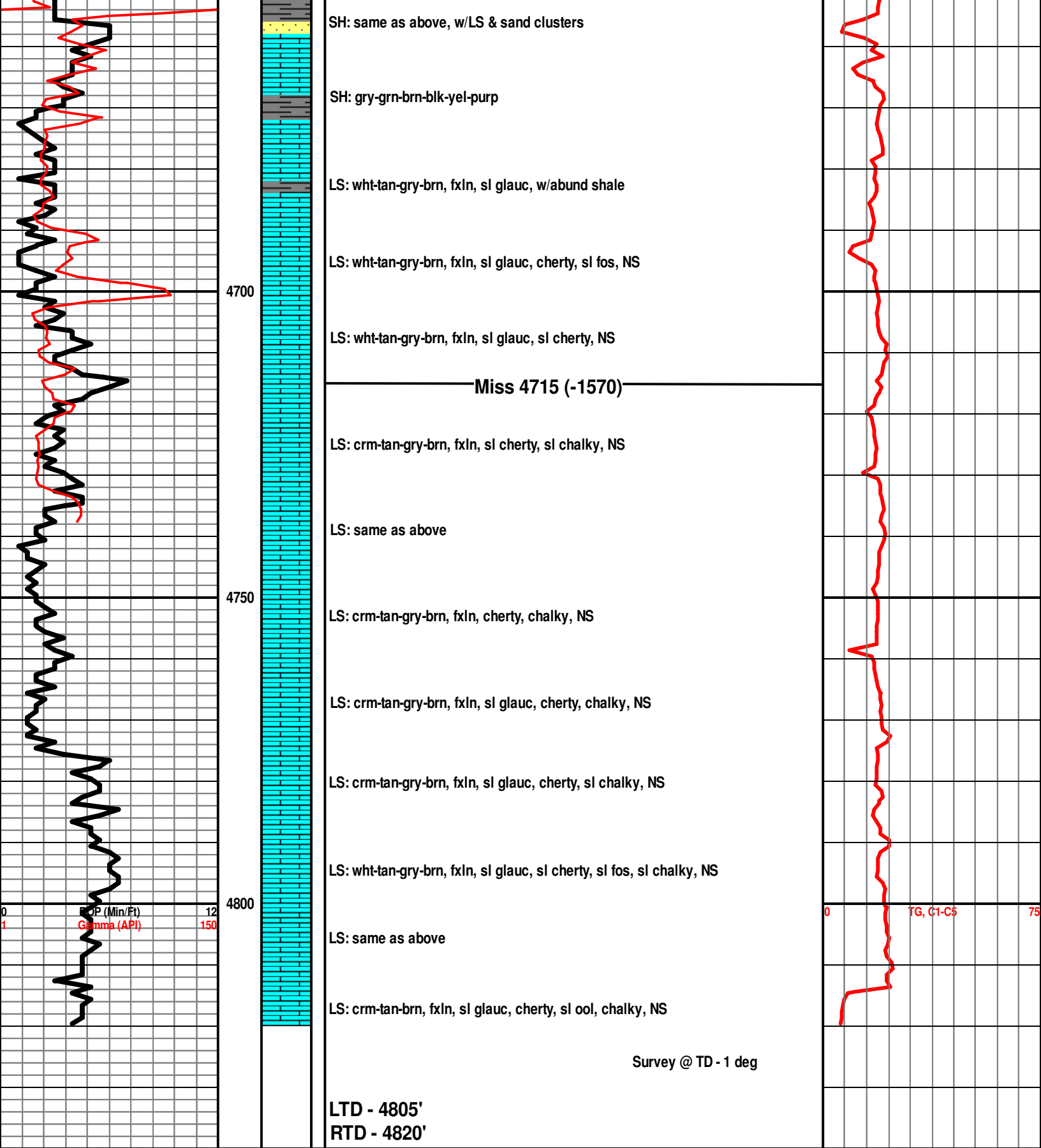
EVENT

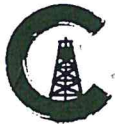
	Rft
	Sidewall
	Dst
	Open hole
	Perforations











CONSOLIDATED
Oil Well Services, LLC

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

3095
2018

TICKET NUMBER 49454
LOCATION Darley, KS
FOREMAN Kelly Gabel

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 84493 KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-3-15	2777	Minnex #1-1A	1	5S	36W	Rawlins
CUSTOMER		Culbreath oil & Gas				
MAILING ADDRESS		Levent N to Rd 13 W to Rd Q N to Rd 13 W to Rd 7 S to Winto				
CITY		STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #
				731	Miles	
				693	Rob	

JOB TYPE PTA HOLE SIZE _____ HOLE DEPTH 4320 CASING SIZE & WEIGHT _____
CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 142 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, broke circulation, mixed & displaced
cement plugs as ordered
50 @ 2900
100 @ 2000
50 @ 400
10 @ 40
30 R#

*I thank you
Kelly & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	<u>CC0453</u> / 1395.00	1395.00
5406	50	MILEAGE	<u>CC0002</u> / 5.25	262.50
5407A	10.32 ton	Ton mileage	<u>CE0710</u> / 1.25	903.00
1131	240 sks	60/40 80Z	<u>CC 5842</u> / 15.86	3806.40
1148B	826 #	Bentonite	<u>CC 5905</u> / 2.7	2230.2
1107	60 #	Flo-seal	<u>CC 6095</u> / 2.97	1782.0
			Sub	6768.12
			Less 20% TD	1353.62
			Total	3214.50 5414.50
			SALES TAX	265.93
			ESTIMATED TOTAL	5680.43

Ravin 3737

AUTHORIZATION Walter Brown TITLE Tool Pusher DATE 6-13-15

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