KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1153658

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31528
Name: Mike Kelso Oil, Inc.
Address 1: PO BOX 467
Address 2:
City: CHASE State: KS Zip: 67524 + 0467
Contact Person: MIKE KELSO
Phone: (620) 938-2943
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: JEFF LAWLER
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

5/25/2013	6/3/2013	6/21/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-159-22740-00-00
Spot Description:
SE - NE - NW - NW Sec. 15 Twp. 20 S. R. 10 [ ] East [x] West
4785 Feet from [ ] North / [x] South Line of Section
4033 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Rice
Lease Name: Warner Well #: 2
Field Name:
Producing Formation: SIMPSON SAND
Elevation: Ground: 1828 Kelly Bushing: 1836
Total Depth: 3490 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 263 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 50000 ppm Fluid volume: 800 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: OUTLAW TANK SERVICE
Lease Name: SHARP License #: 7868
Quarter NW Sec. 8 Twp. 20 S. R. 9 [ ] East [x] West
County: RICE Permit #: D01117

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

- [ ] Letter of Confidentiality Received
  Date:
- [ ] Confidential Release Date:
- [x] Wireline Log Received
- [x] Geologist Report Received
- [ ] UIC Distribution

ALT [x] I [ ] II [ ] III Approved by: Deanna Garrison Date: 08/05/2013

Side Two

1153658

Operator Name: Mike Kelso Oil, Inc. Lease Name: Warner Well #: 2

Sec. 15 Twp. 20 S. R. 10 ☐ East ☑ West County: Rice

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

DUAL INDUCTION LOG
DUAL COMPENSATED POROSITY LOG
MICRORESISTIVITY LOG

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

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	23	263	COMMON	200	2%GEL 3%CC
PRODUCTION	7.825	5.5	14	3489	60/40 POS	175	2%GEL18%SALT

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
2	3345-48, 3360-66, 3366-76	AC1600G 15% NE	3345-3376

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
	2.375	3400	NONE	☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
6/22/2013	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	6	0	8		40

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

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

PRODUCTION INTERVAL:
3345-76

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

Form	ACO1 - Well Completion
Operator	Mike Kelso Oil, Inc.
Well Name	Warner 2
Doc ID	1153658

Tops

Name	Top	Datum
TOPEKA	2653	-817
HEEBNER SHALE	2928	-1092
TORONTO	2951	-1115
DOUGLAS SHALE	2959	-1123
BROWN LIME	3055	-1219
LKC	3081	-1245
BKC	3337	-1501
SIMPSON SHALE	3391	-1555
ARBUCKLE	3412	-1576

COPELAND
Acid & Cement

POST OFFICE BOX 438
HAYSVILLE, KS 67060
(316) 524-1225
(316) 524-1027 FAX

BURRTON, KS
(620) 463-5161
FAX (620) 463-2104

GREAT BEND, KS
(620) 793-3366
FAX (620) 793-3536

Invoice

INVOICE NUMBER:
C38684-IN

BILL TO:
MIKE'S TESTING
P.O. BOX 467
CHASE, KS 67524

LEASE: WARNER 2

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS
05/31/2013	C38684		05/28/2013		NET 30

QUANTITY	U/M	ITEM NO./DESCRIPTION	D/C	PRICE	EXTENSION
15.00	MI	CEMENT MILEAGE PUMP TRUCK	0.00	4.00	60.00
15.00	MI	CEMENT MILEAGE PU TRUCK	0.00	2.00	30.00
1.00	EA	CEMENT PUMP CHARGE	0.00	1,100.00	1,100.00
200.00	SAX	60-40 POZ MIX 2% GEL	0.00	9.25	1,850.00
7.00	SAX	CALCIUM CHLORIDE - SAX	0.00	40.00	280.00
1.00	EA	8 5/8 WOOD PLUG	0.00	65.00	65.00
207.00	EA	BULK CHARGE	0.00	1.25	258.75
1.00	MI	MIN. BULK TRUCK - TON MILES	0.00	150.00	150.00

REMIT TO:
P.O. BOX 438
HAYSVILLE, KS 67060

RECEIVED BY

COP

FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.

NET 30 DAYS

Net Invoice:	3,793.75
RICCO Sales Tax:	85.05
Invoice Total:	3,878.80

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

COPELAND
Acid & Cement

TREATMENT REPORT Surface pipe

Acid Stage No. .....

Date 5/29/13 District GB F. O. No. C35454

Company Mike Kelso Oil

Well Name & No. Lorne - #2

Location ..... Field Chase-Silica

County Rice State KS

Casing: Size 8 5/8" Type & Wt. 23 # Set at ..... ft.

Formation: ..... Perf. ..... to .....

Formation: ..... Perf. ..... to .....

Formation: ..... Perf. ..... to .....

Liner: Size — Type & Wt. ..... Top at ..... ft. Bottom at ..... ft.

Cemented: Yes / No. Perforated from ..... ft. to ..... ft.

Tubing: Size & Wt. — Swung at ..... ft.

Perforated from ..... ft. to ..... ft.

Open Hole Size ..... T.D. ..... ft. P.B. to ..... ft.

Type Treatment: Amt.	Type Fluid	Sand Size	Pounds
Bkdown ..... Bbl. /Gal.			
..... Bbl. /Gal.			
..... Bbl. /Gal.			
..... Bbl. /Gal.			
Flush ..... Bbl. /Gal.			

Treated from ..... ft. to ..... ft. No. ft. .....

from ..... ft. to ..... ft. No. ft. .....

from ..... ft. to ..... ft. No. ft. .....

Actual Volume of Oil / Water to Load Hole: ..... Bbl

Pump Trucks. No. Used: Std. 320 Sp. ..... Twin .....

Auxiliary Equipment 327

Packer: ..... Set at .....

Auxiliary Tools .....

Plugging or Sealing Materials: Type .....

..... Gals. .....

Company Representative Mike Kelso Treater Nathan W.

TIME a.m / p.m.	PRESSURES Tubing	PRESSURES Casing	Total Fluid Pumped	REMARKS
9 :45	-	8 5/8"		On Location.
:				
:				
:				Pipe = 253'
:				L.S = 10'
:				263'
:				x .0636
:				16.7 bbls
:				
:				
:				Break - circulation w/ pump truck
:				
:				Mix 200 sks. 60/40 poz 2% gel 3% C.C.
:				
:				Displace w/ 15 bbls. @ 5 bpm - 300 #
:				Circulated cement to surface.
10 :15				Shut in.
:				
:				
:				
:				
:				Thank You!
:				
:				Nathan W.
:				
:				
:				
:				
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:				
:				

COPELAND
Acid & Cement

TREATMENT REPORT

Long STRING

Acid Stage No. ____

Date 6/4/13 District G.B F. O. No. C38690

Company Mike Kelso Oil

Well Name & No. Usner #12

Location ____ Field ____

County Rice State KS

Casing: Size 5½" Type & Wt. 14.0 # Set at ____ ft.

Formation: ____ Perf. ____ to ____

Formation: ____ Perf. ____ to ____

Formation: ____ Perf. ____ to ____

Liner: Size ____ Type & Wt. ____ Top at ____ ft. Bottom at ____ ft.

Cemented: Yes/No. Perforated from ____ ft. to ____ ft.

Tubing: Size & Wt. ____ Swung at ____ ft.

Perforated from ____ ft. to ____ ft.

Open Hole Size ____ T.D. ____ ft. P.B. to ____ ft.

Type Treatment:	Amt.	Type Fluid	Sand Size	Pounds of Sand
Bkdown	Bbl./Gal.			
	Bbl./Gal.			
	Bbl./Gal.			
	Bbl./Gal.			
Flush	Bbl./Gal.			
Treated from	ft. to ft.	No. ft.		
from	ft. to ft.	No. ft.		
from	ft. to ft.	No. ft.		

Actual Volume of Oil/Water to Load Hole: ____ Bbl./Gal.

Pump Trucks. No. Used: Std. 360 Sp. ____ Twin ____

Auxiliary Equipment ____

Packer: ____ Set at ____ ft.

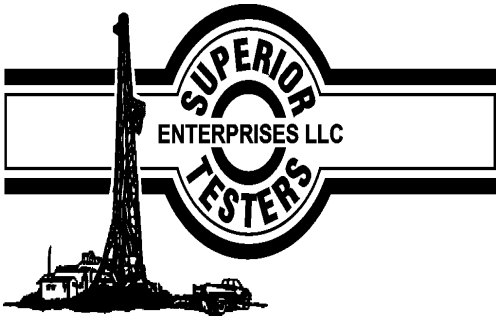
Auxiliary Tools ____

Plugging or Sealing Materials: Type ____

____ Gals. ____ lb.

Company Representative Mike Kelso Treater Nathan W.

TIME a.m./p.m.	PRESSURES Tubing	PRESSURES Casing	Total Fluid Pumped	REMARKS
2:30	-	5½"		On location.
				Pipe = 3479 (109 jts)
				LJ = 10'
				3489
				Baffle = 3454'
				Prod Collar = 1,521'
				Circulate w/ mud pump for 30 min
				Pump 500 gal. Super-Flush.
				Plug Rat-Hole w/ 30 sks 60/40 poz.
				Mix 175 sks. 60/40 poz 2% gel. 18# salt
				¾% CFR-2 ½% C-41P 5 #/sk. Silsonite.
				Displace w/ 85⅝ bbls. @ 7¼ bpm - 700.#
10:30				Released. Float held.
				Thank You!
				Nathan W.



DRILL STEM TEST REPORT

Prepared For: **Mike Kelso Oil, Inc.**

PO Box 467
1125 S. Main
Chase Kansas 67524-0467

ATTN: Mike Kelso

Warner #2

15/20s/10w/Rice

Start Date: 2013.05.31 @ 12:50:00
End Date: 2013.05.31 @ 19:08:00
Job Ticket #: 17589 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.05.31 @ 19:32:40

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17589 **DST#: 1**

Test Start: 2013.05.31 @ 12:50:00

GENERAL INFORMATION:

Formation: **Tackio Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:10:30
Time Test Ended: 19:08:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/50/Great Bend

Interval: 2340.00 ft (KB) To 2402.00 ft (KB) (TVD)
Total Depth: 3402.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

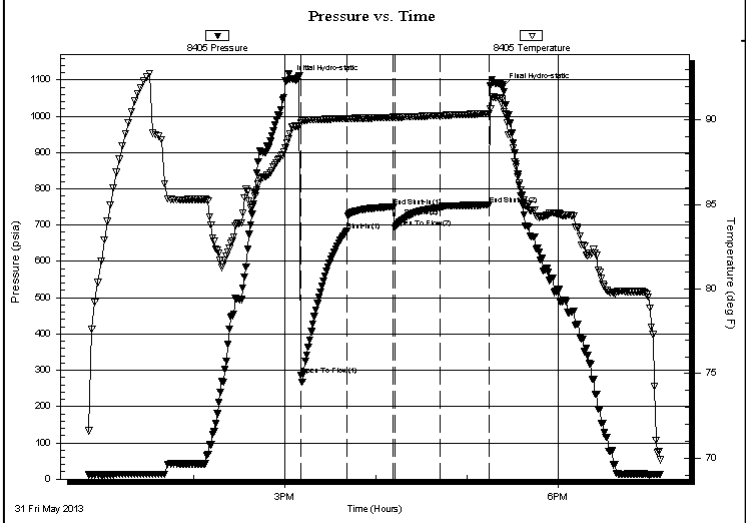
Reference Elevations: 1836.00 ft (KB)
1824.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8405 **Inside**

Press@RunDepth: 747.89 psia @ 2396.72 ft (KB)
Start Date: 2013.05.31 End Date: 2013.05.31
Start Time: 12:50:00 End Time: 19:08:00

Capacity: 5000.00 psia
Last Calib.: 2013.05.31
Time On Btm: 2013.05.31 @ 15:03:30
Time Off Btm: 2013.05.31 @ 17:23:00

TEST COMMENT: 1st Open/ 30 Minutes. Strong blow built to bottom of 5 gallon bucket in 30 seconds.
1st Shut In/ 30 Minutes. Fair blow back built to 1 1/2 inches in 5 gallon bucket.
2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 3 1/5 minutes.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1100.81	89.20	Initial Hydro-static
7	285.88	89.81	Open To Flow (1)
38	683.33	90.08	Shut-In(1)
68	750.57	90.16	End Shut-In(1)
69	693.09	90.16	Open To Flow (2)
99	747.89	90.27	Shut-In(2)
131	755.29	90.39	End Shut-In(2)
140	1077.87	91.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas to surface	0.00
124.00	100% mud	1.74
310.00	35% mud, 65% w ater	4.35
1116.00	100% w ater	15.65
0.00	chloride recov 31000 ppm	0.00
0.00	resist recov .21 ohms at 50 degrees	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17589 **DST#: 1**

Test Start: 2013.05.31 @ 12:50:00

GENERAL INFORMATION:

Formation: **Tackio Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:10:30
Time Test Ended: 19:08:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/50/Great Bend

Interval: 2340.00 ft (KB) To 2402.00 ft (KB) (TVD)
Total Depth: 3402.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

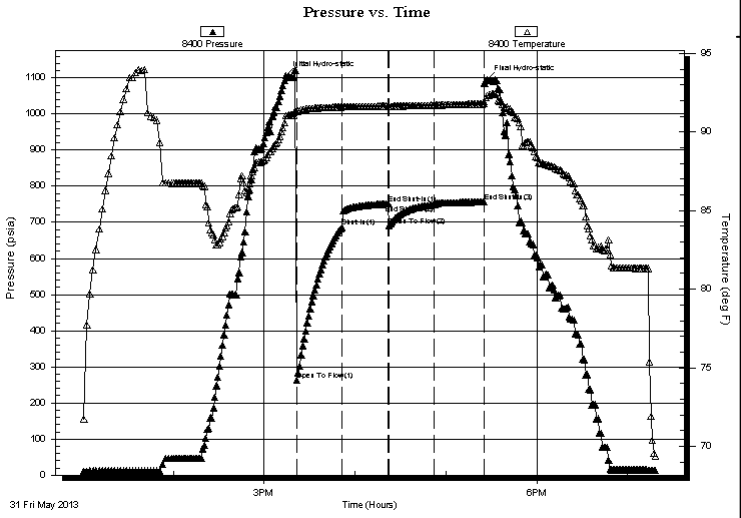
Reference Elevations: 1836.00 ft (KB)
1824.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8400 **Outside**

Press@RunDepth: 756.33 psia @ 2397.72 ft (KB)
Start Date: 2013.05.31 End Date: 2013.05.31
Start Time: 13:00:00 End Time: 19:19:00

Capacity: 5000.00 psia
Last Calib.: 2013.05.31
Time On Btm: 2013.05.31 @ 15:14:30
Time Off Btm: 2013.05.31 @ 17:27:30

TEST COMMENT: 1st Open/ 30 Minutes. Strong blow built to bottom of 5 gallon bucket in 30 seconds.
1st Shut In/ 30 Minutes. Fair blow back built to 1 1/2 inches in 5 gallon bucket.
2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 3 1/5 minutes.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1106.78	91.02	Initial Hydro-static
7	263.44	91.29	Open To Flow (1)
37	686.51	91.59	Shut-In(1)
68	751.59	91.65	End Shut-In(1)
68	691.36	91.63	Open To Flow (2)
98	748.76	91.70	End Shut-In(2)
131	756.33	91.79	End Shut-In(3)
133	1094.81	92.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas to surface	0.00
124.00	100% mud	1.74
310.00	35% mud, 65% w ater	4.35
1116.00	100% w ater	15.65
0.00	chloride recov 31000 ppm	0.00
0.00	resist recov .21 ohms at 50 degrees	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17589 **DST#: 1**

Test Start: 2013.05.31 @ 12:50:00

Tool Information

Drill Pipe:	Length:	2338.00 ft	Diameter:	3.80 inches	Volume:	32.80 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	32.80 bbl	

Drill Pipe Above KB:	18.00 ft
Depth to Top Packer:	2340.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	61.72 ft
Tool Length:	81.72 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		42000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	32000.00 lb
	Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
SHut-InTool	5.00		Inside	2325.00		
Hydrolic Tool	5.00			2330.00		
Packer	5.00			2335.00	20.00	Bottom Of Top Packer
Packer	5.00			2340.00		
Anchor	0.00			2340.00		
Change Over Sub	0.75			2340.75		
Drill Pipe	31.22		Outside	2371.97		
Change Over Sub	0.75		Outside	2372.72		
Anchor	23.00			2395.72		
Recorder	1.00	8405	Inside	2396.72		
Recorder	1.00	8400	Outside	2397.72		
Bullnose	4.00			2401.72	61.72	Bottom Packers & Anchor
Total Tool Length:	**81.72**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17589 **DST#: 1**

Test Start: 2013.05.31 @ 12:50:00

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:	bbl		
Water Loss:	10.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	6000.00 ppm				
Filter Cake:	inches				

Recovery Information

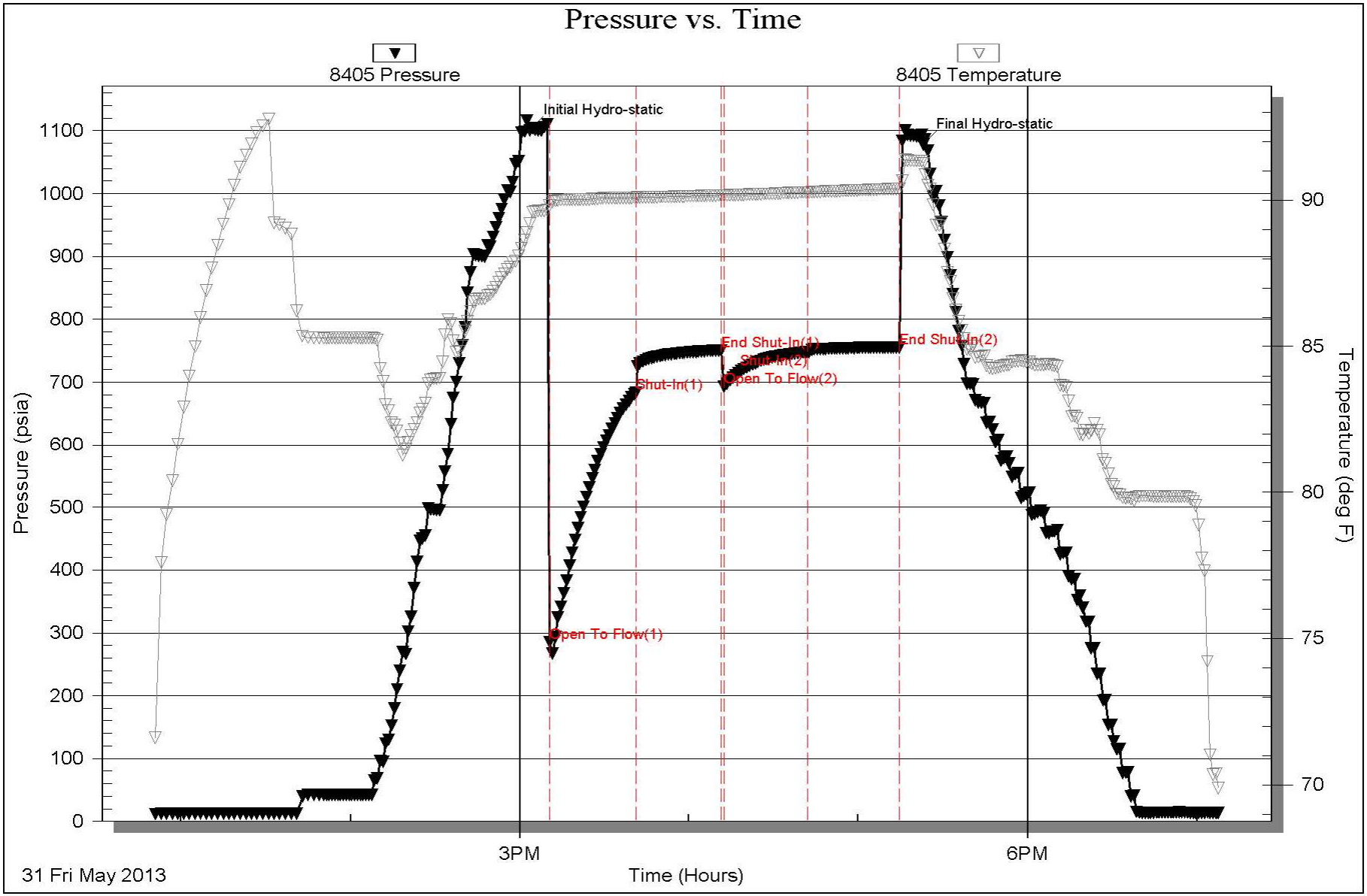
Recovery Table

Length ft	Description	Volume bbl
0.00	No gas to surface	0.000
124.00	100% mud	1.739
310.00	35% mud, 65% w ater	4.348
1116.00	100% w ater	15.655
0.00	chloride recov 31000 ppm	0.000
0.00	resist recov .21 ohms at 50 degrees	0.000

Total Length: 1550.00 ft Total Volume: 21.742 bbl

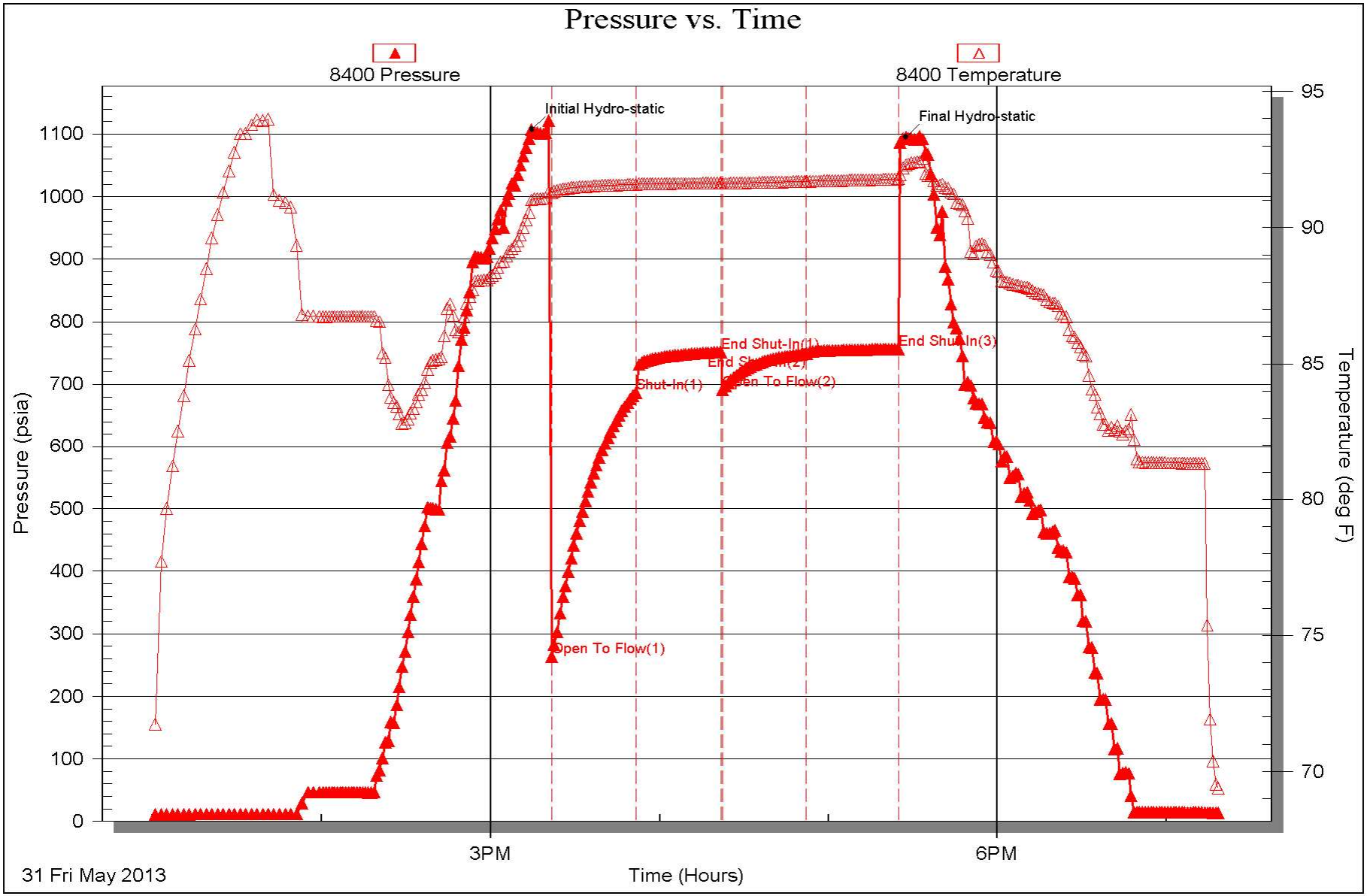
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8405 **Inside** Mike Kelso Oil, Inc. Warner #2 DST Test Number: 1

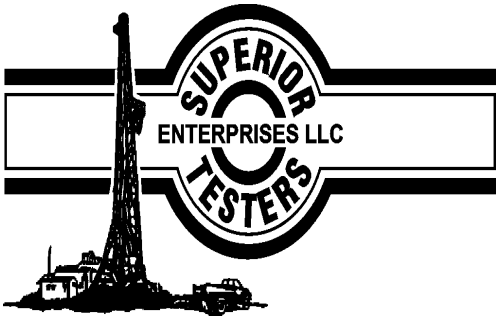


Superior Testers Enterprises LLC Ref. No: 17589 Printed: 2013.05.31 @ 19:32:41

Serial #: 8400 **Outside** Mike Kelso Oil, Inc. Warner #2 DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 17589 Printed: 2013.05.31 @ 19:32:41



DRILL STEM TEST REPORT

Prepared For: **Mike Kelso Oil, Inc.**

PO Box 467
1125 S. Main
Chase Kansas 67524-0467

ATTN: Mike Kelso

Warner #2

15/20s/10w/Rice

Start Date: 2013.06.02 @ 00:45:00
End Date: 2013.06.02 @ 06:53:00
Job Ticket #: 17590 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.06.02 @ 07:06:22

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17590 **DST#: 2**

Test Start: 2013.06.02 @ 00:45:00

GENERAL INFORMATION:

Formation: **LKC D-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:12:30
Time Test Ended: 06:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/40/Great Bend

Interval: 3113.00 ft (KB) To 3157.00 ft (KB) (TVD)
Total Depth: 3157.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

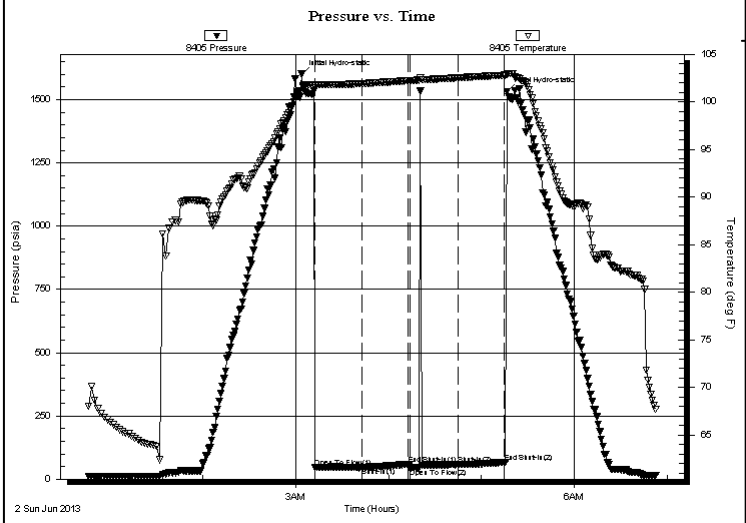
Reference Elevations: 1836.00 ft (KB)
1824.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8405 **Inside**

Press@RunDepth: 57.50 psia @ 3153.00 ft (KB)
Start Date: 2013.06.02 End Date: 2013.06.02
Start Time: 00:45:00 End Time: 06:53:00

Capacity: 5000.00 psia
Last Calib.: 2013.06.02
Time On Btm: 2013.06.02 @ 03:03:30
Time Off Btm: 2013.06.02 @ 05:16:30

TEST COMMENT: 1st Open/ 30 Minutes. Weak blow built to 1 inches in 5 gallon bucket.
1st Shut In/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. No blow flushed tool after 5 minutes per geo. gained 1 inch blow in 5 gallon bucket.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1600.71	101.20	Initial Hydro-static
9	45.68	101.75	Open To Flow (1)
39	46.16	101.93	Shut-In(1)
69	59.14	102.23	End Shut-In(1)
71	43.92	102.24	Open To Flow (2)
101	57.50	102.54	Shut-In(2)
131	66.50	102.81	End Shut-In(2)
133	1532.94	102.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% mud	0.42

Gas Rates

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

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17590 **DST#: 2**

Test Start: 2013.06.02 @ 00:45:00

GENERAL INFORMATION:

Formation: **LKC D-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:12:30
Time Test Ended: 06:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/40/Great Bend

Interval: 3113.00 ft (KB) To 3157.00 ft (KB) (TVD)
Total Depth: 3157.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

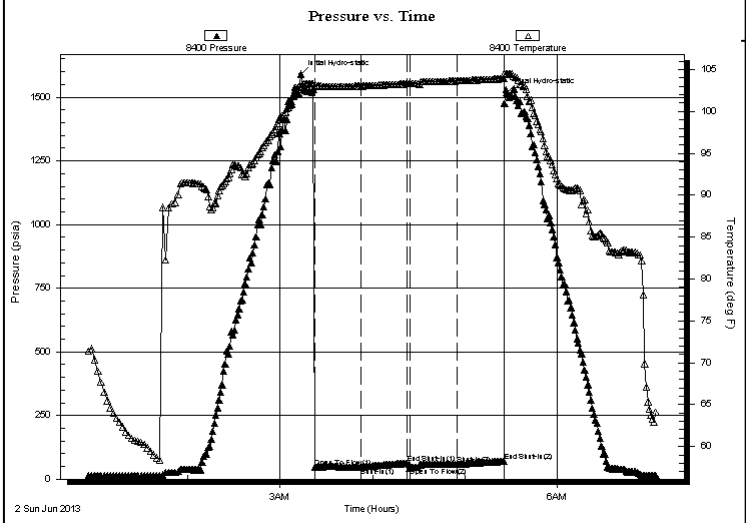
Reference Elevations: 1836.00 ft (KB)
1824.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8400 **Outside**

Press@RunDepth: 70.28 psia @ 3154.00 ft (KB)
Start Date: 2013.06.02 End Date: 2013.06.02
Start Time: 00:55:00 End Time: 07:03:30

Capacity: 5000.00 psia
Last Calib.: 2013.06.02
Time On Btm: 2013.06.02 @ 03:13:30
Time Off Btm: 2013.06.02 @ 05:27:00

TEST COMMENT: 1st Open/ 30 Minutes. Weak blow built to 1 inches in 5 gallon bucket.
1st Shut In/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. No blow flushed tool after 5 minutes per geo. gained 1 inch blow in 5 gallon bucket.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1590.62	102.95	Initial Hydro-static
9	46.30	103.11	Open To Flow (1)
39	47.39	103.04	Shut-In(1)
69	62.77	103.31	End Shut-In(1)
71	44.94	103.32	Open To Flow (2)
101	58.54	103.65	Shut-In(2)
132	70.28	103.92	End Shut-In(2)
134	1517.60	104.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% mud	0.42

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17590 **DST#: 2**

Test Start: 2013.06.02 @ 00:45:00

Tool Information

Drill Pipe:	Length:	3120.00 ft	Diameter:	3.80 inches	Volume:	43.77 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		52000.00 lb
					Total Volume:	43.77 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		27.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3113.00 ft						Final	40000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		44.00 ft							
Tool Length:		64.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
SHut-InTool	5.00		Inside	3098.00		
Hydrolic Tool	5.00			3103.00		
Packer	5.00			3108.00	20.00	Bottom Of Top Packer
Packer	5.00			3113.00		
Anchor	39.00			3152.00		
Recorder	1.00	8405	Inside	3153.00		
Recorder	1.00	8400	Outside	3154.00		
Bullnose	3.00			3157.00	44.00	Bottom Packers & Anchor
Total Tool Length:	**64.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17590 **DST#: 2**

Test Start: 2013.06.02 @ 00:45:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	6000.00 ppm				
Filter Cake:	inches				

Recovery Information

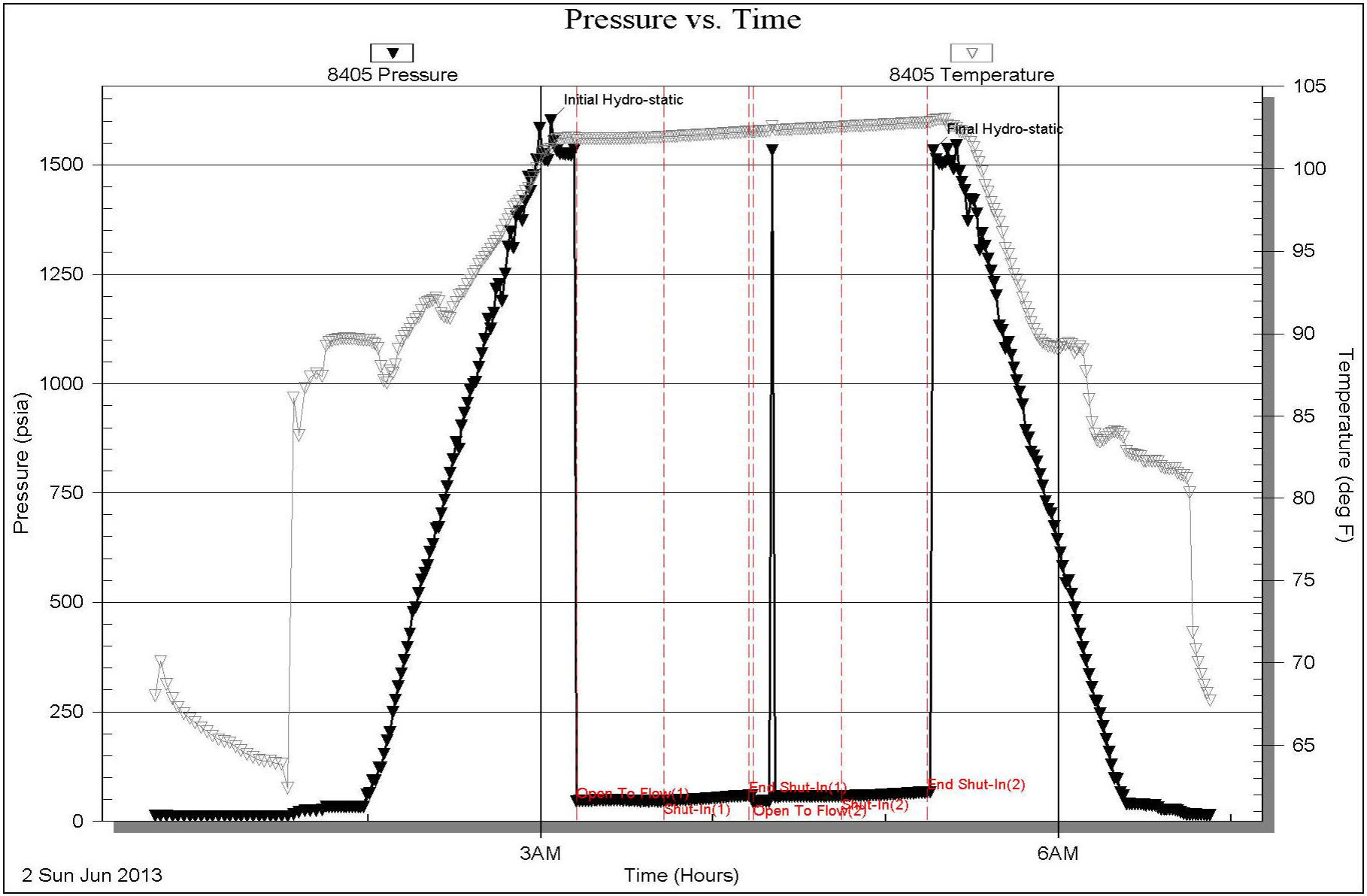
Recovery Table

Length ft	Description	Volume bbl
30.00	100% mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

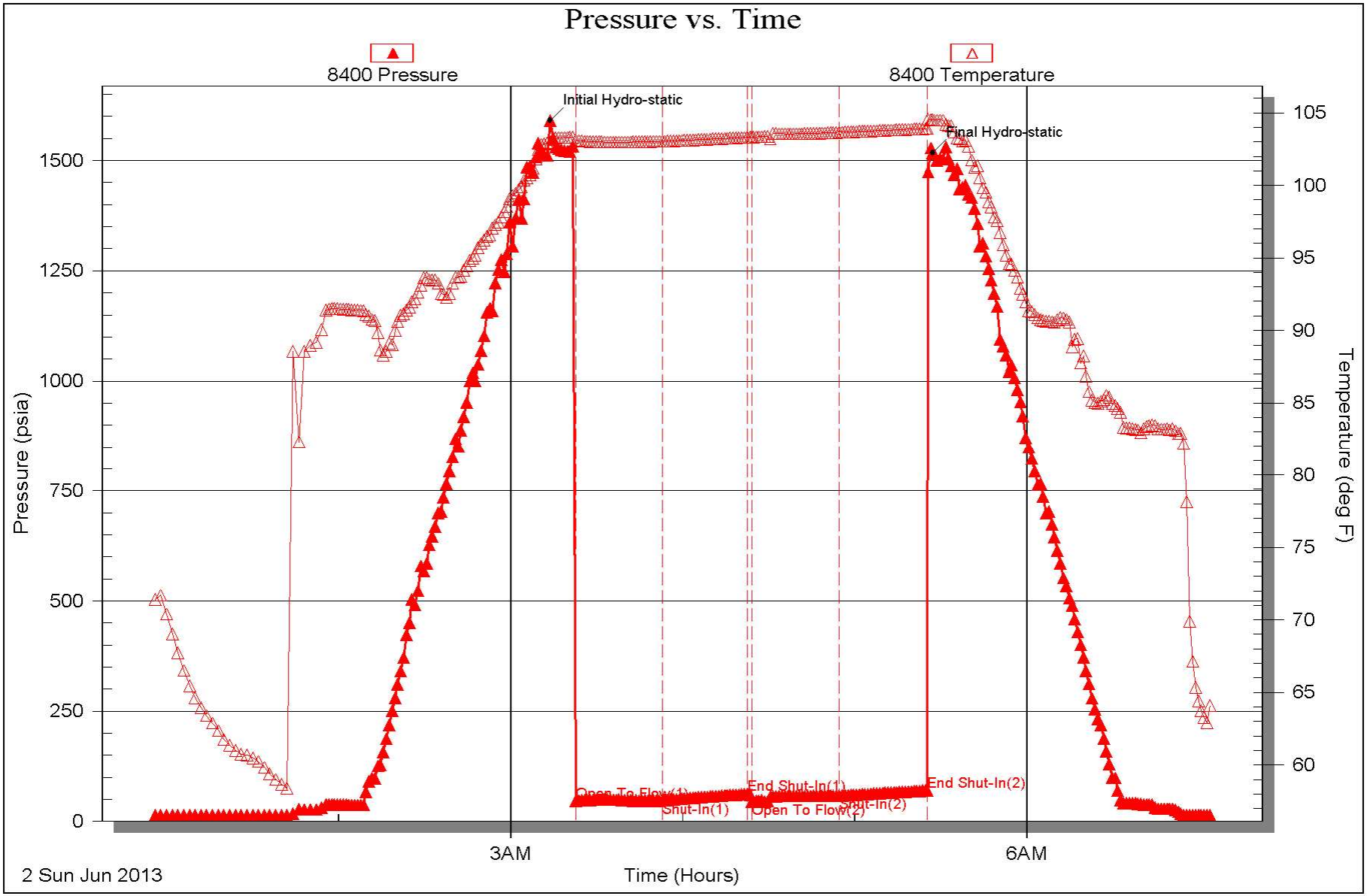
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8405 **Inside** Mike Kelso Oil, Inc. Warner #2 DST Test Number: 2

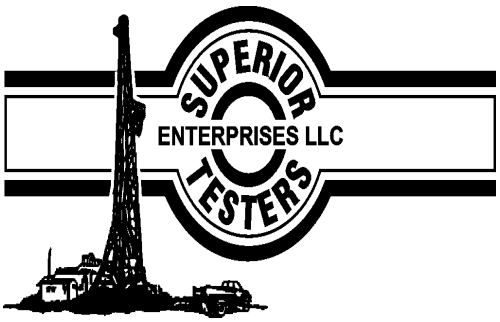


Superior Testers Enterprises LLC Ref. No: 17590 Printed: 2013.06.02 @ 07:06:23

Serial #: 8400 **Outside** Mike Kelso Oil, Inc. Warner #2 DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 17590 Printed: 2013.06.02 @ 07:06:23



DRILL STEM TEST REPORT

Prepared For: **Mike Kelso Oil, Inc.**

PO Box 467
1125 S. Main
Chase Kansas 67524-0467

ATTN: Mike Kelso

Warner #2

15/20s/10w/Rice

Start Date: 2013.06.03 @ 01:35:00
End Date: 2013.06.03 @ 07:47:30
Job Ticket #: 17591 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.06.03 @ 08:04:56

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17591 **DST#: 3**

Test Start: 2013.06.03 @ 01:35:00

GENERAL INFORMATION:

Formation: **Congl./ Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:42:30
Time Test Ended: 07:47:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/40/Great Bend

Interval: 3338.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3390.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

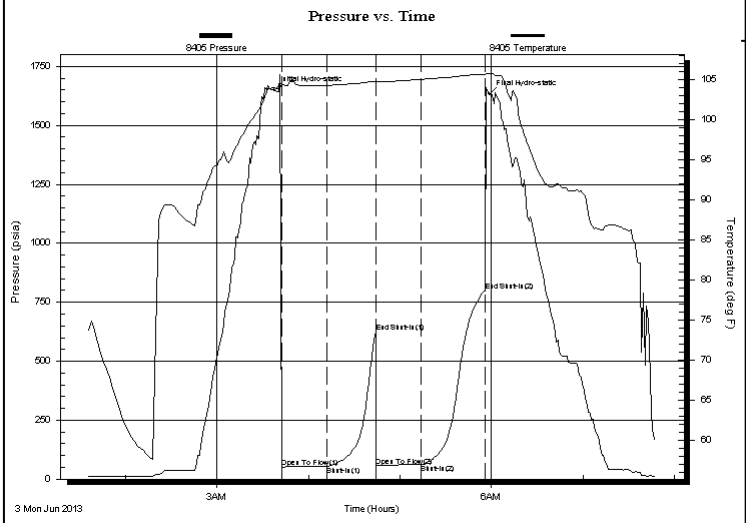
Reference Elevations: 1836.00 ft (KB)
1824.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8405 **Inside**

Press@RunDepth: 62.53 psia @ 3385.98 ft (KB)
Start Date: 2013.06.03 End Date: 2013.06.03
Start Time: 01:35:00 End Time: 07:47:30

Capacity: 5000.00 psia
Last Calib.: 2013.06.03
Time On Btm: 2013.06.03 @ 03:37:30
Time Off Btm: 2013.06.03 @ 05:58:30

TEST COMMENT: 1st Open/ 30 Minutes. Fair blow built to 6 inches in 5 gallon bucket.
1st ShutIn/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. Fair blow built to 3 inches in 5 gallon bucket.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1647.63	103.89	Initial Hydro-static
5	50.70	104.30	Open To Flow (1)
35	55.63	104.23	Shut-In(1)
67	622.40	104.76	End Shut-In(1)
67	56.32	104.66	Open To Flow (2)
97	62.53	104.99	Shut-In(2)
138	799.20	105.62	End Shut-In(2)
141	1631.46	105.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	120 feet gas	0.00
10.00	clean oil	0.14
30.00	40% oil, 60% mud	0.42

Gas Rates

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

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17591 **DST#: 3**

Test Start: 2013.06.03 @ 01:35:00

GENERAL INFORMATION:

Formation: **Congl./ Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:42:30
Time Test Ended: 07:47:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/40/Great Bend

Interval: 3338.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3390.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

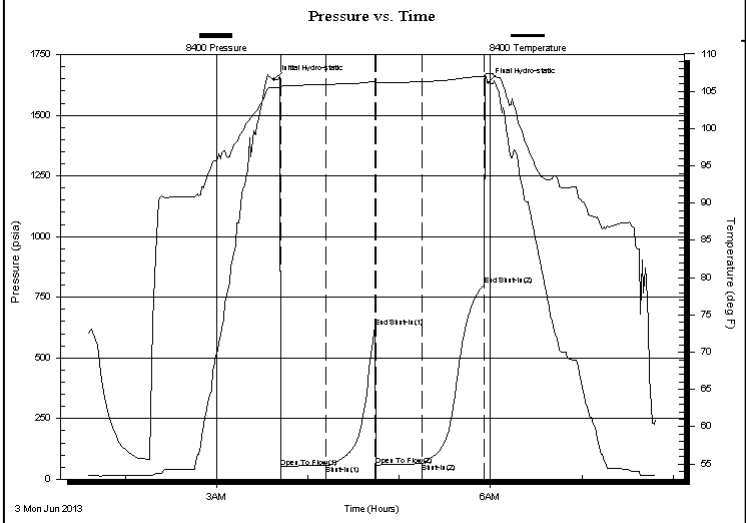
Reference Elevations: 1836.00 ft (KB)
1824.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8400 **Outside**

Press@RunDepth: 800.69 psia @ 3386.98 ft (KB)
Start Date: 2013.06.03 End Date: 2013.06.03
Start Time: 01:35:00 End Time: 07:49:00

Capacity: 5000.00 psia
Last Calib.: 2013.06.03
Time On Btm: 2013.06.03 @ 03:38:00
Time Off Btm: 2013.06.03 @ 05:58:30

TEST COMMENT: 1st Open/ 30 Minutes. Fair blow built to 6 inches in 5 gallon bucket.
1st ShutIn/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. Fair blow built to 3 inches in 5 gallon bucket.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1647.25	105.50	Initial Hydro-static
5	50.81	105.52	Open To Flow (1)
34	56.68	105.93	Shut-In(1)
66	628.05	106.35	End Shut-In(1)
67	56.15	106.13	Open To Flow (2)
97	65.16	106.29	Shut-In(2)
138	800.69	107.00	End Shut-In(2)
141	1632.98	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	120 feet gas	0.00
10.00	clean oil	0.14
30.00	40% oil, 60% mud	0.42

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17591 **DST#: 3**

Test Start: 2013.06.03 @ 01:35:00

Tool Information

Drill Pipe:	Length:	3340.00 ft	Diameter:	3.80 inches	Volume:	46.85 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		48000.00 lb
					Total Volume:	46.85 bbl	Tool Chased		1.00 ft
Drill Pipe Above KB:		22.00 ft					String Weight:	Initial	42000.00 lb
Depth to Top Packer:		3338.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		51.98 ft							
Tool Length:		71.98 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
SHut-InTool	5.00		Inside	3323.00		
Hydrolic Tool	5.00			3328.00		
Packer	5.00			3333.00	20.00	Bottom Of Top Packer
Packer	5.00			3338.00		
Anchor	5.00			3343.00		
Change Over Sub	0.75			3343.75		
Drill Pipe	31.48		Outside	3375.23		
Change Over Sub	0.75		Outside	3375.98		
Anchor	9.00			3384.98		
Recorder	1.00	8405	Inside	3385.98		
Recorder	1.00	8400	Outside	3386.98		
Bullnose	3.00			3389.98	51.98	Bottom Packers & Anchor
Total Tool Length:	**71.98**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17591 **DST#: 3**

Test Start: 2013.06.03 @ 01:35:00

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	6000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

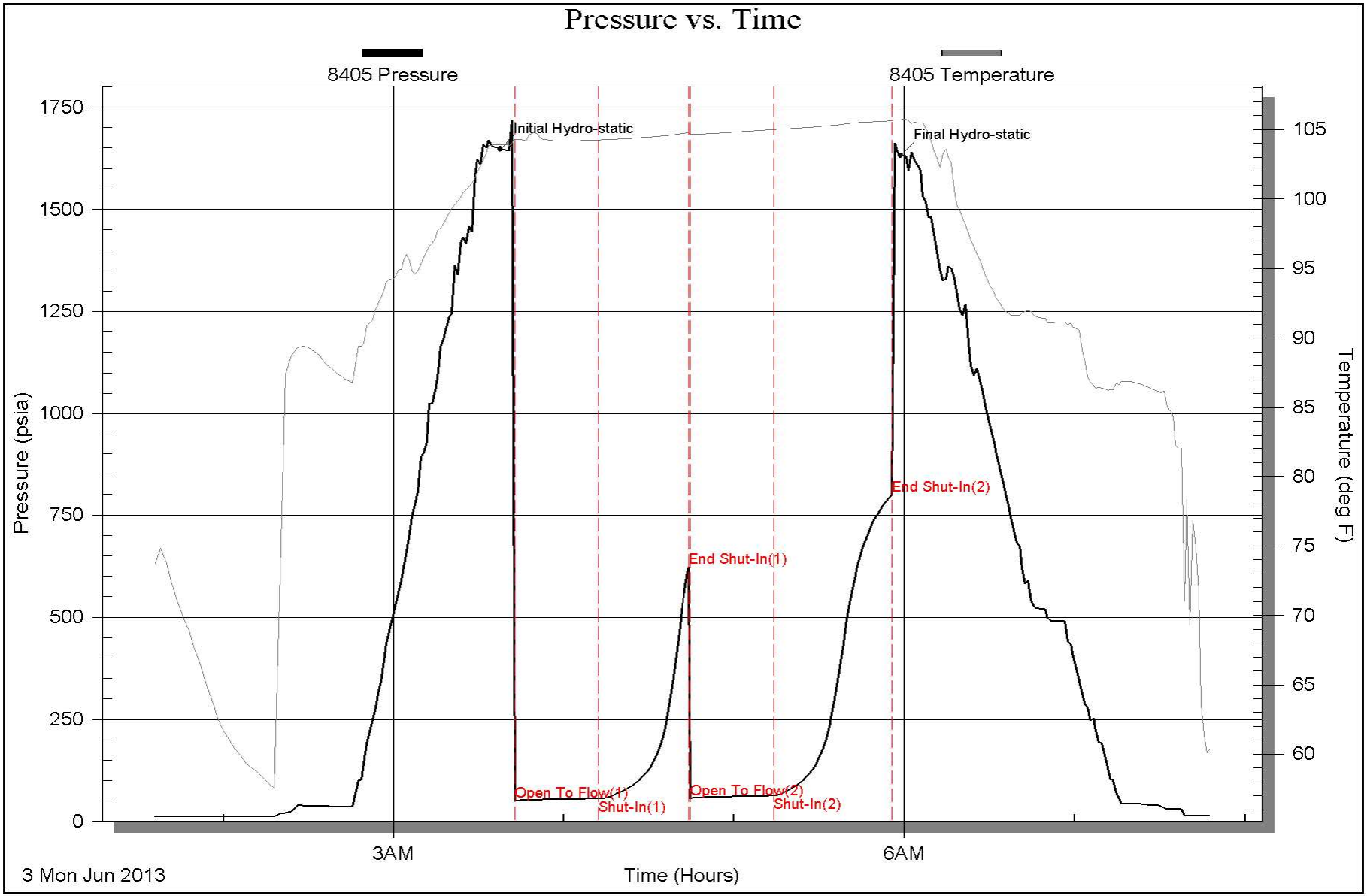
Recovery Table

Length ft	Description	Volume bbl
0.00	120 feet gas	0.000
10.00	clean oil	0.140
30.00	40% oil, 60% mud	0.421

Total Length: 40.00 ft Total Volume: 0.561 bbl

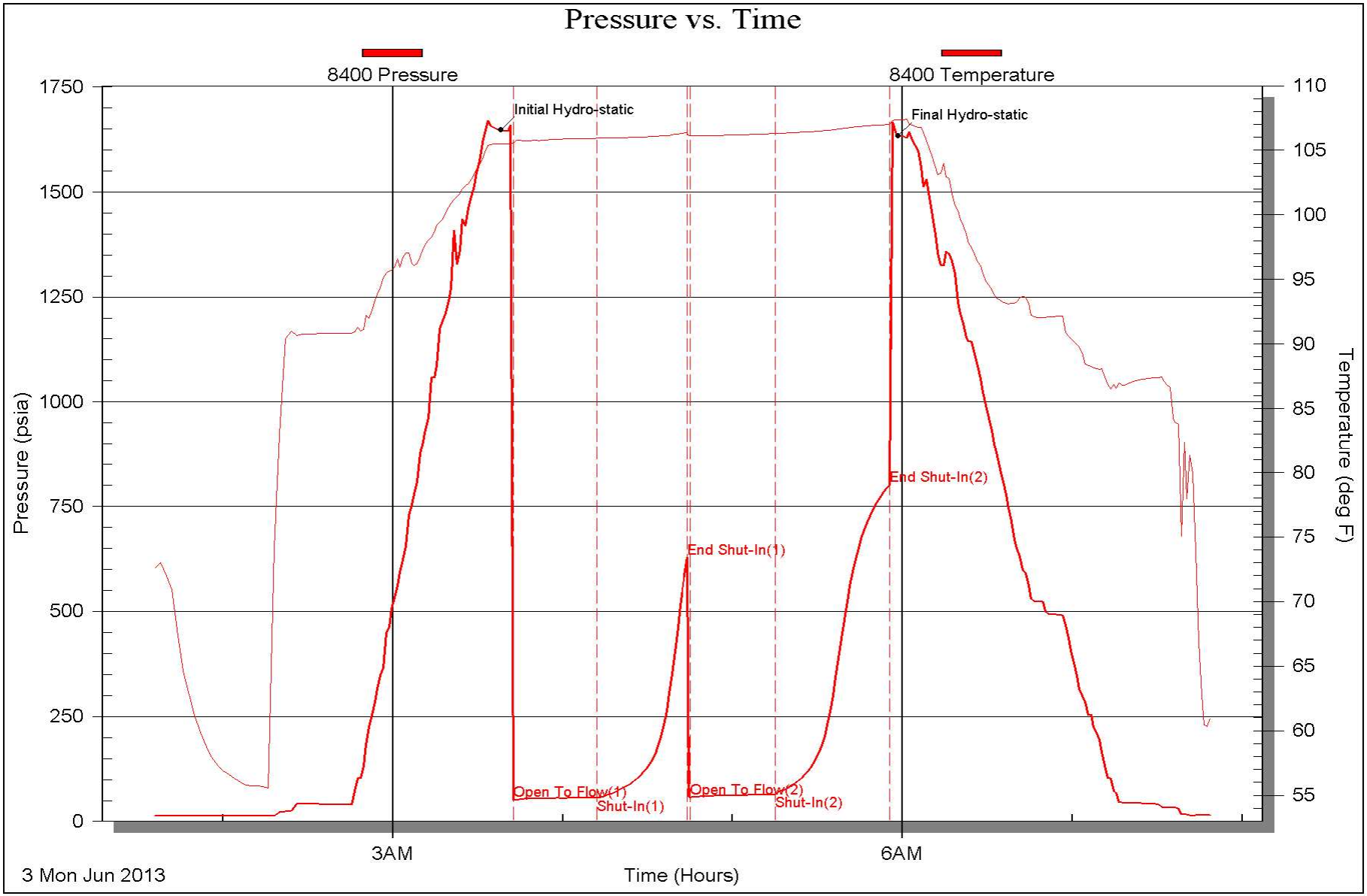
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8405 **Inside** Mike Kelso Oil, Inc. Warner #2 DST Test Number: 3



Superior Testers Enterprises LLC Ref. No: 17591 Printed: 2013.06.03 @ 08:04:57

Serial #: 8400 **Outside** Mike Kelso Oil, Inc. Warner #2 DST Test Number: 3



Superior Testers Enterprises LLC Ref. No: 17591 Printed: 2013.06.03 @ 08:04:57

OPERATOR

Company:	MIKE KELSO OIL, INC.		
Address:	P.O. BOX 467 1125 S MAIN CHASE, KS 67524		
Contact Geologist:	MIKE D. KELSO		
Contact Phone Nbr:	(620) 938-2943		
Well Name:	WARNER #2		
Location:	SE NE NW NW Sec. 15 - 20S - 10W	API:	15-159-22740-00-00
Pool:		Field:	CHASE-SILICA
State:	KANSAS	Country:	USA

Scale 1:240 Imperial

Well Name:	WARNER #2		
Surface Location:	SE NE NW NW Sec. 15 - 20S - 10W		
Bottom Location:			
API:	15-159-22740-00-00		
License Number:	31528		
Spud Date:	5/25/2013	Time:	11:00 PM
Region:	RICE COUNTY		
Drilling Completed:	6/3/2013	Time:	3:54 PM
Surface Coordinates:	4785' FSL & 4033' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	1828.00ft		
K.B. Elevation:	1836.00ft		
Logged Interval:	2000.00ft	To:	3488.00ft
Total Depth:	3490.00ft		
Formation:			
Drilling Fluid Type:	FRESH WATER / CHEMICAL GEL		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:	-98.4198435	Latitude:	38.3170298
N/S Co-ord:	4785' FSL		
E/W Co-ord:	4033' FEL		

LOGGED BY

SOLUTIONS CONSULTING

Company:	SOLUTIONS CONSULTING, INC.		
Address:	108 W 35TH HAYS, KS 67601		
Phone Nbr:	(785)259-3737		
Logged By:	Geologist	Name:	JEFF LAWLER

CONTRACTOR

Contractor:	SOUTHWIND DRILLING, INC.		
Rig #:	6		
Rig Type:	MUD ROTARY		
Spud Date:	5/25/2013	Time:	11:00 PM
TD Date:	6/3/2013	Time:	3:54 PM
Rig Release:	6/4/2013	Time:	2:00 PM

ELEVATIONS

K.B. Elevation:	1836.00ft	Ground Elevation:	1828.00ft
K.B. to Ground:	8.00ft		

NOTES

AFTER LOG ANAYLSIS AND DUE TO RECOVERY ON DST #3 DECISION WAS MADE TO RUN PRODUCTION CASING AND FURTHER EVALUATE THE WELL WITH PERFORATION.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

	WARNER #2				PETROLEUM ENERGY, INC. HODGINS #1 N2 S2 NW 15-20-10						GLICKMAN OIL CO HODGINS #1 NE SE NW 15-20-10						MIKE KELSO OIL, INC. WARNER #1 SE SW NW 15-20-10						EDGECOMBE, INC. WARNER #1 C S2 NE 16-20-10					
	KB	1836			KB	1841					KB	1836					DF	1837					KB	1832				
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.	
ANHYDRITE TOP																												
BASE																												
TARKIO LIME	2334	-498	2336	-500							2330	-494	-	4	-	6												
HOWARD																							2546	-714				
TOPEKA	2653	-817	2656	-820	2658	-817	+	0	-	3	2655	-819	+	2	-	1							2649	-817	+	0	-	3
HEEBNER SHALE	2928	-1092	2931	-1095	2939	-1098	+	6	+	3	2931	-1095	+	3	+	0	2961	-1124	+	32	+	29	2922	-1090	-	2	-	5
TORONTO	2951	-1115	2953	-1117	2961	-1120	+	5	+	3													2942	-1110	-	5	-	7
DOUGLAS SHALE	2959	-1123	2960	-1124	2972	-1131	+	8	+	7													2953	-1121	-	2	-	3
BROWN LIME	3055	-1219	3057	-1221	3069	-1228	+	9	+	7	3063	-1227	+	8	+	6	3096	-1259	+	40	+	38	3050	-1218	-	1	-	3
LKC	3081	-1245	3080	-1244	3092	-1251	+	6	+	7	3087	-1251	+	6	+	7	3122	-1285	+	40	+	41	3060	-1228	-	17	-	16
BKC	3337	-1501	3342	-1506							3348	-1512	+	11	+	6	3316	-1479	-	22	-	27	3328	-1496	-	5	-	10
CONGLOMERATE	3359	-1523	3359	-1523	3377	-1536	+	13	+	13	3377	-1541	+	18	+	18	3390	-1553	+	30	+	30						
SIMPN SHALE	3391	-1555																					3340	-1508	-	47		
SIMPSON SAND																							3356	-1524				
ARBUCKLE	3412	-1576	3413	-1577	3422	-1581	+	5	+	4													3397	-1565	-	11	-	12
RTD			3490	-1654	3474	-1633			-	21	3430	-1594			-	60	3450	-1613			-	41	3399	-1567			-	87
LTD	3488	-1652									3428	-1592	-	60														

DST #1 TARKIO SAND 2340' - 2402'

SUPERIOR ENTERPRISES LLC TESTERS

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17589 **DST#: 1**

Test Start: 2013.05.31 @ 12:50:00

GENERAL INFORMATION:

Formation: **Tackio Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:10:30
Time Test Ended: 19:08:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/50/Great Bend

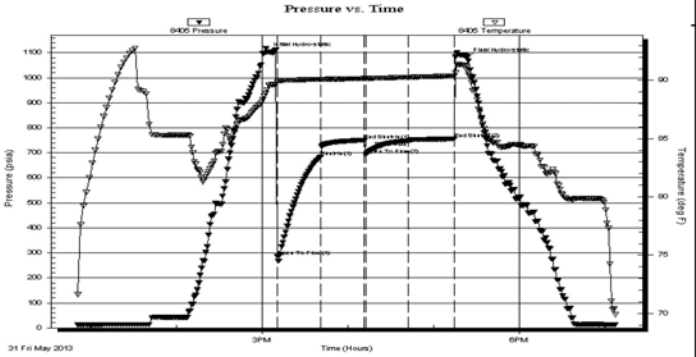
Interval: 2340.00 ft (KB) To 2402.00 ft (KB) (TVD)
Total Depth: 3402.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1836.00 ft (KB)
1824.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8405 **Inside**
Press@RunDepth: 747.89 psia @ 2396.72 ft (KB)
Start Date: 2013.05.31 End Date: 2013.05.31
Start Time: 12:50:00 End Time: 19:08:00

Capacity: 5000.00 psia
Last Calib.: 2013.05.31
Time On Btm: 2013.05.31 @ 15:03:30
Time Off Btm: 2013.05.31 @ 17:23:00

TEST COMMENT: 1st Open/ 30 Minutes. Strong blow built to bottom of 5 gallon bucket in 30 seconds.
1st Shut In/ 30 Minutes. Fair blow back built to 1 1/2 inches in 5 gallon bucket.
2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 3 1/5 minutes.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1100.81	89.20	Initial Hydro-static
7	285.88	89.81	Open To Flow (1)
38	683.33	90.08	Shut-In(1)
68	750.57	90.16	End Shut-In(1)
69	693.09	90.16	Open To Flow (2)
99	747.89	90.27	Shut-In(2)
131	755.29	90.39	End Shut-In(2)
140	1077.87	91.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas to surface	0.00
124.00	100% mud	1.74
310.00	35% mud, 65% w ater	4.35
1116.00	100% w ater	15.65
0.00	chloride recov 31000 ppm	0.00
0.00	resist recov .21 ohms at 50 degrees	0.00

Gas Rates

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

DST #2 LKC D - F 3113' - 3157'

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17590 **DST#: 2**

Test Start: 2013.06.02 @ 00:45:00

GENERAL INFORMATION:

Formation: **LKC D-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:12:30
Time Test Ended: 06:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/40/Great Bend

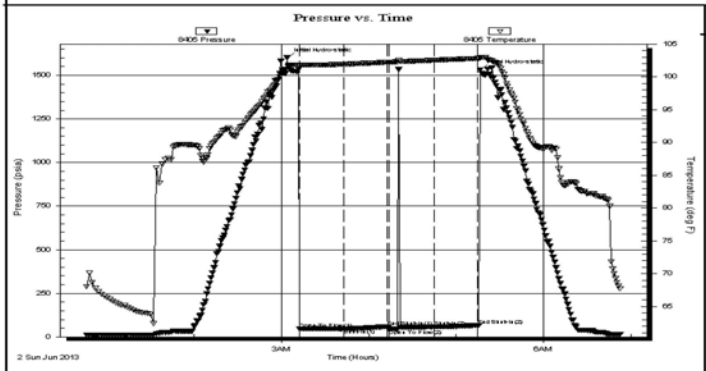
Interval: 3113.00 ft (KB) To 3157.00 ft (KB) (TVD)
Total Depth: 3157.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1836.00 ft (KB)
1824.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8405 **Inside**
Press@RunDepth: 57.50 psia @ 3153.00 ft (KB)
Start Date: 2013.06.02 End Date: 2013.06.02
Start Time: 00:45:00 End Time: 06:53:00

Capacity: 5000.00 psia
Last Calib.: 2013.06.02
Time On Btm: 2013.06.02 @ 03:03:30
Time Off Btm: 2013.06.02 @ 05:16:30

TEST COMMENT: 1st Open/ 30 Minutes. Weak blow built to 1 inches in 5 gallon bucket.
1st Shut In/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. No blow flushed tool after 5 minutes per geo. gained 1 inch blow in 5 gallon bucket.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1600.71	101.20	Initial Hydro-static
9	45.68	101.75	Open To Flow (1)
39	46.16	101.93	Shut-In(1)
69	59.14	102.23	End Shut-In(1)
71	43.92	102.24	Open To Flow (2)
101	57.50	102.54	Shut-In(2)
131	66.50	102.81	End Shut-In(2)
133	1532.94	102.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% mud	0.42

Gas Rates

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

DST #3 CONGLOMERATE - SIMPSON SAND 3338' - 3390'

DRILL STEM TEST REPORT

Mike Kelso Oil, Inc.

PO Box 467
1125 S. Main
Chase Kansas 67524-0467
ATTN: Mike Kelso

15/20s/10w/Rice

Warner #2

Job Ticket: 17591 **DST#: 3**

Test Start: 2013.06.03 @ 01:35:00

GENERAL INFORMATION:

Formation: **Congl./ Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:42:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem

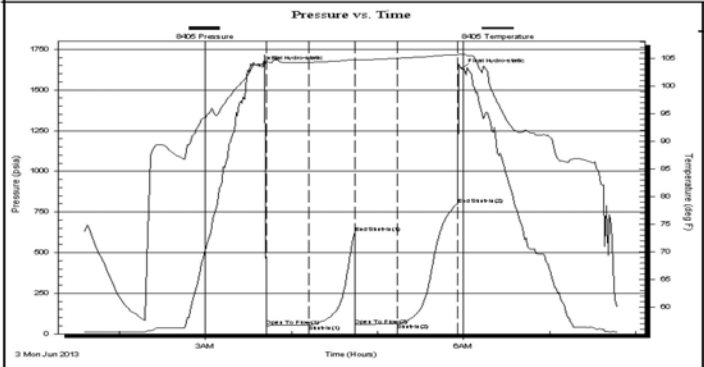
Time Test Ended: 07:47:30 | Unit No: 3330/40/Great Bend

Interval: 3338.00 ft (KB) To 3390.00 ft (KB) (TVD) | Reference Elevations: 1836.00 ft (KB)
Total Depth: 3390.00 ft (KB) (TVD) | 1824.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor | KB to GR/CF: 12.00 ft

Serial #: 8405 **Inside**

Press@RunDepth:	62.53 psia @	3385.98 ft (KB)		Capacity:	5000.00 psia
Start Date:	2013.06.03	End Date:	2013.06.03	Last Calib.:	2013.06.03
Start Time:	01:35:00	End Time:	07:47:30	Time On Btm:	2013.06.03 @ 03:37:30
				Time Off Btm:	2013.06.03 @ 05:58:30

TEST COMMENT: 1st Open/ 30 Minutes. Fair blow built to 6 inches in 5 gallon bucket.
1st ShutIn/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. Fair blow built to 3 inches in 5 gallon bucket.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1647.63	103.89	Initial Hydro-static
5	50.70	104.30	Open To Flow (1)
35	55.63	104.23	Shut-In(1)
67	622.40	104.76	End Shut-In(1)
67	56.32	104.66	Open To Flow (2)
97	62.53	104.99	Shut-In(2)
138	799.20	105.62	End Shut-In(2)
141	1631.46	105.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	120 feet gas	0.00
10.00	clean oil	0.14
30.00	40% oil, 60% mud	0.42

Gas Rates

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

Superior Testers Enterprises LLC Ref. No: 17591 Printed: 2013.06.03 @ 08:04:56

ROCK TYPES

Congl | Dolprim | Lmst fw7> | shale, grn | shale, gry | Carbon Sh | shale, red | Ss

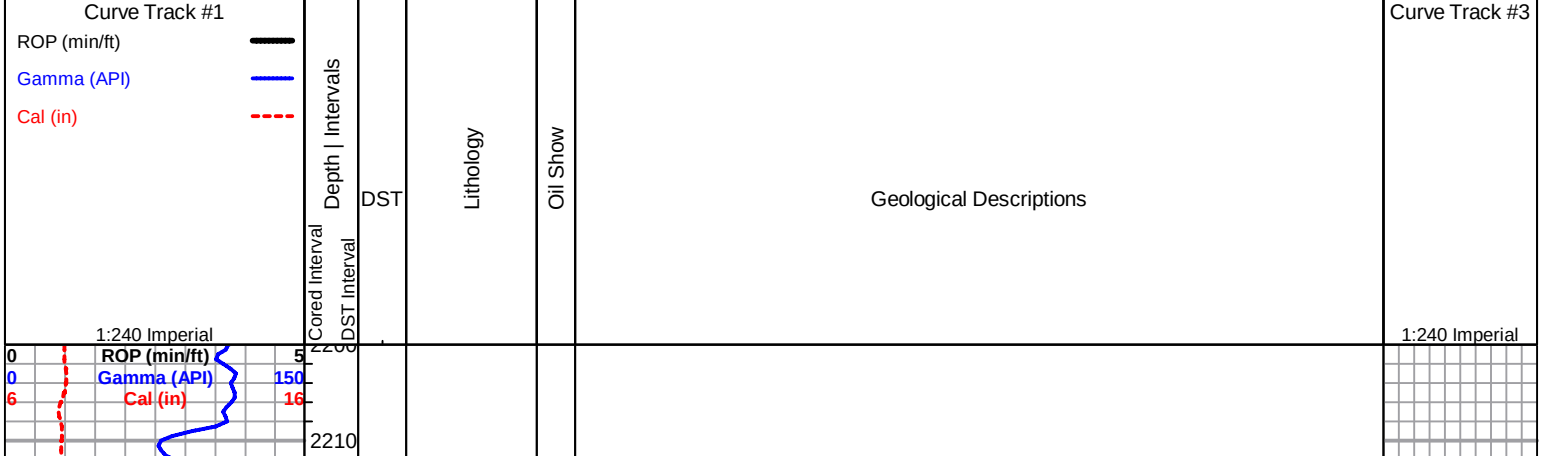
ACCESSORIES

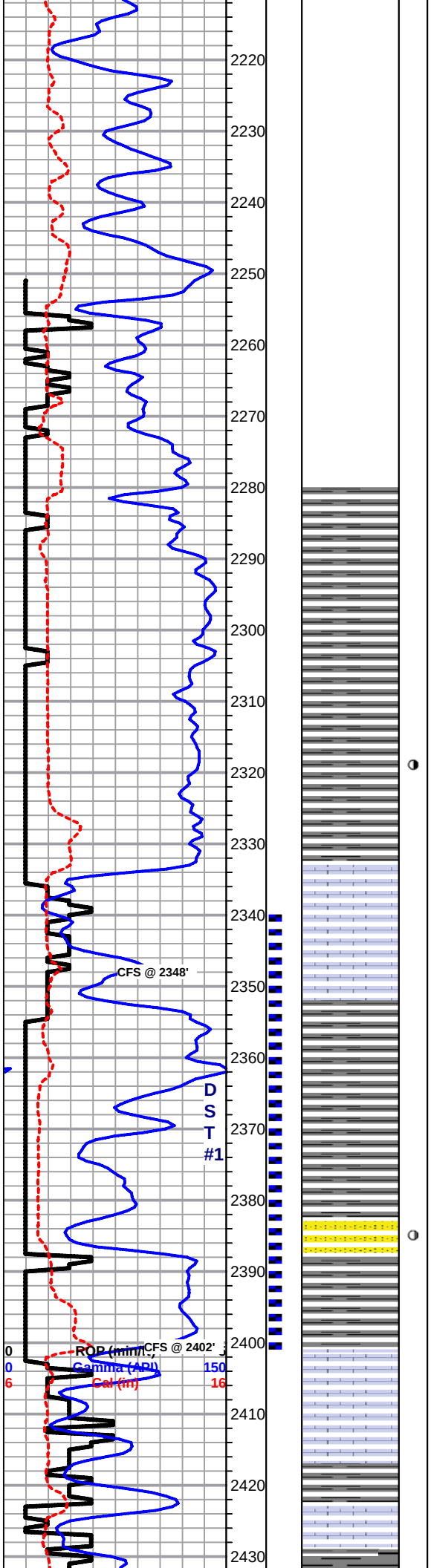
FOSSIL
Oolite

OTHER SYMBOLS

DST
DST Int
DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





1' DRILL TIME FROM 2250' RTD
10' WET/DRY SAMPLES FROM 2300' - RTD
GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 2300' - RTD

8 5/8" SURFACE PIPE @ 263' SURVEY 1/4 dgr,

Sh/Ss- Gray, soft sandy lime and silty, Ss- Semi-Clear to Frosted, F-Med Grn, mod. well dev. clusters, sub-rounded, friable, sl speckled w/ glauconite, lightly cemented, LT STN, FR GSY SHN, PR-FR SFO, NO ODR, LIGHT GRAVITY STN, LT YLW FLOR, SOME W/ STRM WET CUT

TARKIO LM 2336' (-500) E-LOG 2334' (-498) Lm- Cream Tan, FXLN, fsl & sl oolitic, dense, well cemented, some sl chalky in part, sctrd XLN porosity, sl limey, barren

Sh- Gray, silty & soft, limey, speckled w/ dark minerals, Ss- Lm Green, hvy glauconite speckling, cleaning w/ depth, some fused some friable

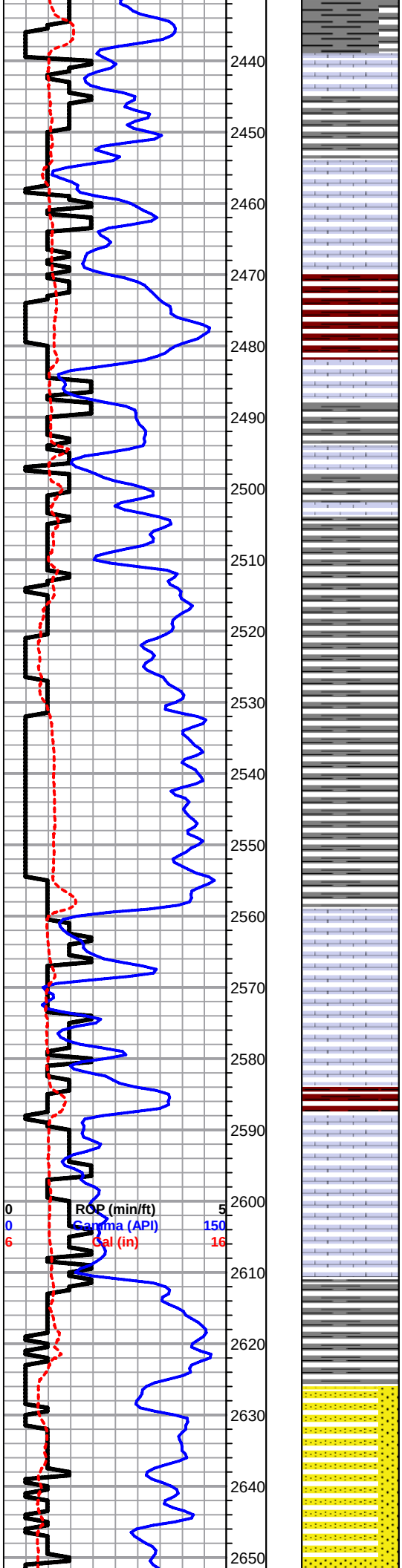
SHORT TRIP
STRAP -1.03'
SURVEY 3/4 dgr.

DST #1
TARKIO SAND
2340' - 2402'

Ss- Clear to Semi-Frosted, grading into mostly clean, clear, sub-rounded Med Grn, vry friable, lightly micaceous, LT SCTRD STN, SL GSY SHEEN, SL LT SFO, NO ODR, LT YLW FLSH HALO FLOR.

Lm- Cream Tan, FXLN, dense, well cemented, sl chalky in part, sctrd micro XLN porosity, barren w/ interbedded shale lenses

Lm- Tan, FXLN, fsl high-energy bioclastic mix grading into sandy lime & gummy argillaceous shale



Lm- Ivory Off White, VFXLN Vf Grn, dense, tight mix, some lithographic, clean, all w/ minimal vis. porosity, barren

Sh- Drk & Lt Gray Lm Green Maroon, mix of soft sandy lime, silty & calcareous, & dense & blocky, some sl gummy argillaceous clumps

Lm- Gray Tan, high energy bio-clastic mix w/ many fsl fragments, dense, dense to sctrd micro XLN & XLN porosity, trashy

Sh/Ss- Gray Maroon White, chalky & calcareous, vry silty, soft, calcareous cemented Ss clusters, well cemented, sl unconsolidated, NS

Lm- Tan Brown, trashy bio-clastic mix w/ fsl fragments

Lm- Cream Off White, FXLN, dense, well cemented, sl massive, fsl, sctrd micro XLN porosity, sctrd secondary XLN porosity

Lm- Brown Tan, FXLN, sl unconsolidated & sandy, micaceous, high-energy w/ fsl fragments

Sh- Lt & Drk Gray, much silty & calcareous, gummy argillaceous clumps, some sl sandy lime & shaley Ss

Lm- Cream, Vf Grn, vry dense, loosely cemented & crumbley, no vis. porosity, barren

Lm- Cream Off White, FXLN, dense, gritty, vry well cemented sl dolomitic cherty ls, no vis. porosity, rare secondary recrystallization veins

Sh- White Maroon, much gummy argillaceous chalk, gritty & earthy

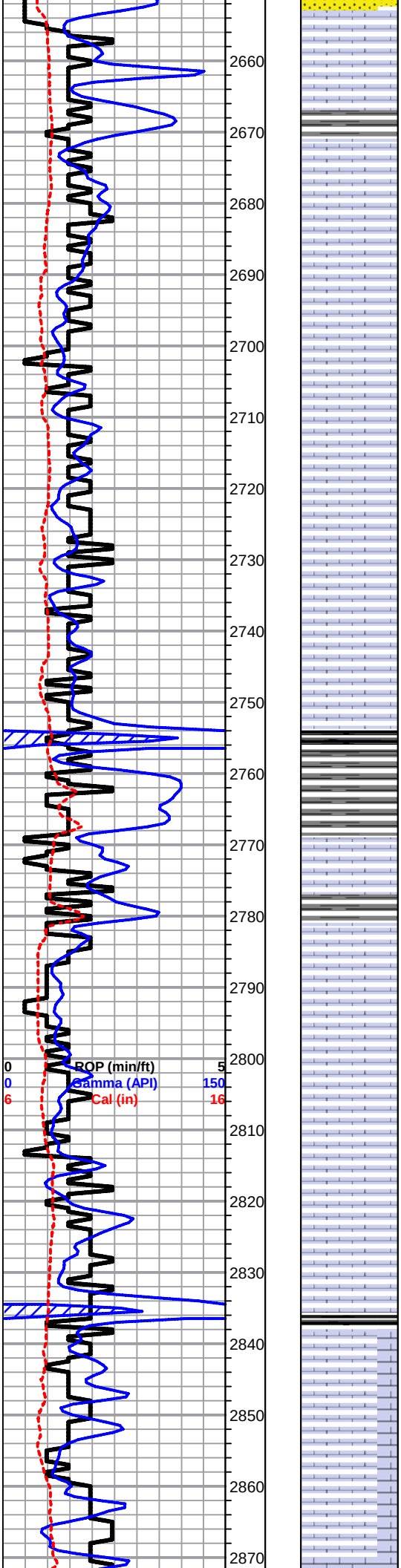
Lm- Cream Ivory, Vf-Fn Grn, dense, vry well cemented, sl chalky in part, no vis. porosity, barren

Lm- Cream Tan, VFXLN, dense, well cemented cherty ls

Sh/Ss- Lt & Drk Gray, soft silty sandy lime

Sh/Ss- Sh A/A, sl unconsolidated & micaceous Ss, fn grn, mod. sorted, loosely cemented, NS

Ss- Grading into cleaner, consolidated Ss, loosely cemented, mod. sorted, fn grn, clusters, NS



TOPEKA 2656' (-820) E-LOG 2653' (-817) Lm- Cream Tan, Vg Grn, dense, vry well cemented, tight w/ minimal vis. porosity, vry clean, barren

Lm- Buff Tan Cream, VFXLN, dense, well cemented, sl cherty ls, no vis. porosity

Lm- Tan Drk Gray, VF-FXLN, dense, vry well cemented, sl fsl, sctrd XLN & dense fenestral porosity, few fsl fragments

Lm- Cream Tan, FXLN, mostly dense well cemented fsl cherrty ls, few chips w/ soft chalky cementation

Lm- White, Vf Grn, grading into more mud supported chalky cementation A/A

Lm- Lt Gray, FXLN, loosely cemented bio-clastic fsl mix, sctrd XLN porosity, sl trashy

Lm- Cream Ivory, FXLN, massive, gritty sl dolomitic cherty ls, no vis. to minimal vis. porosity, tight

Lm- A/A w/ few chips of fsl black chert

Sh- Black Gray, fissile & carbonaceous, gummy argillaceous clumps

Lm- Cream Lt Gray, FXLN, vry fsl, dense, vry well cemented, mostly tight w/ minimal vis. porosity, barren

Lm- Tan Buff, Fn Grn, dense, well cemented, gritty, minimal vis. porosity, massive

Sh- White Lt Gray, much soft white chalk & silty gray shale

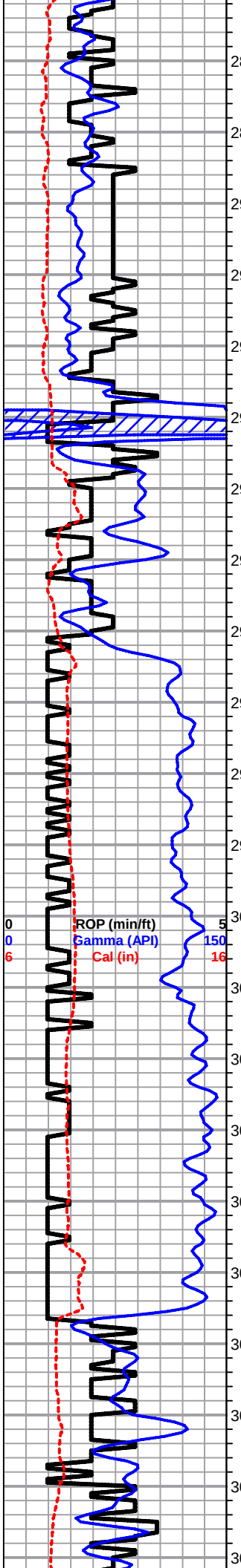
Lm- Cream Off White, FXLN, fsl, dense, sl chalky in part, well cemented, poorly dev., some sl dolomitic ls, barren

Lm- Buff, VF-FXLN, dense, semi-brittle, poorly dev. w/ sctrd micro XLN & XLN porosity

Lm- Cream Off White, Fn Grn, dense, loosely cemented mud supported, chalky & crumbley, sctrd mottling

Sh/Chert- Black Gray, fissile, well compacted, carbonaceous, silty & calcareous, black fresh bedded chert

Lm/Chert- Cream Off White, Fn Grn, fsl, mod. dev. w/ sctrd fn ppt porosity, gray & tan fresh



bedded chert

Lm- Buff, Fn Grn, dense, sl chalky in part, mod. dev. w/ vry fn interparticle porosity, few pcs sl dolomitic, massive, secondary XLN porosity, barren

Lm- Cream Off White, Vf Grn, dense, chalky & crumbley, sctrd mottling

Lm- Cream Off White, FXLN, dense, well cemented, poorly dev. cherty ls & dolomitic chert, mostly tight w/ minimal vis. porosity

HEEBNER 2931' (-1095) E-LOG 2928' (-1092) Sh- Black Drk Gray Maroon, fissile, soft, carbonaceous, dense & blocky, gritty & earthy

TORONTO 2953' (-1117) E-LOG 2951' (-1115) Lm- Cream Off White, F-Med XLN, dense, well cemented & poorly dev. few pcs of sl dolomitic ls, sctrd XLN porosity, few w/ med XLN secondary recrystallization porosity, barren, sctrd mottling

DOUGLAS SHALE 2960' (-1124) E-LOG 2959' (-1123) Sh- Lt Gray Maroon White, many gummy argillaceous clumps

Sh- A/A, some sandy lime

Sh- Lt Gray, silty, sandy lime & shaley Ss, micaceous

Sh- Lt Gray, soft, silty & calcareous, some gummy argillaceous clumps

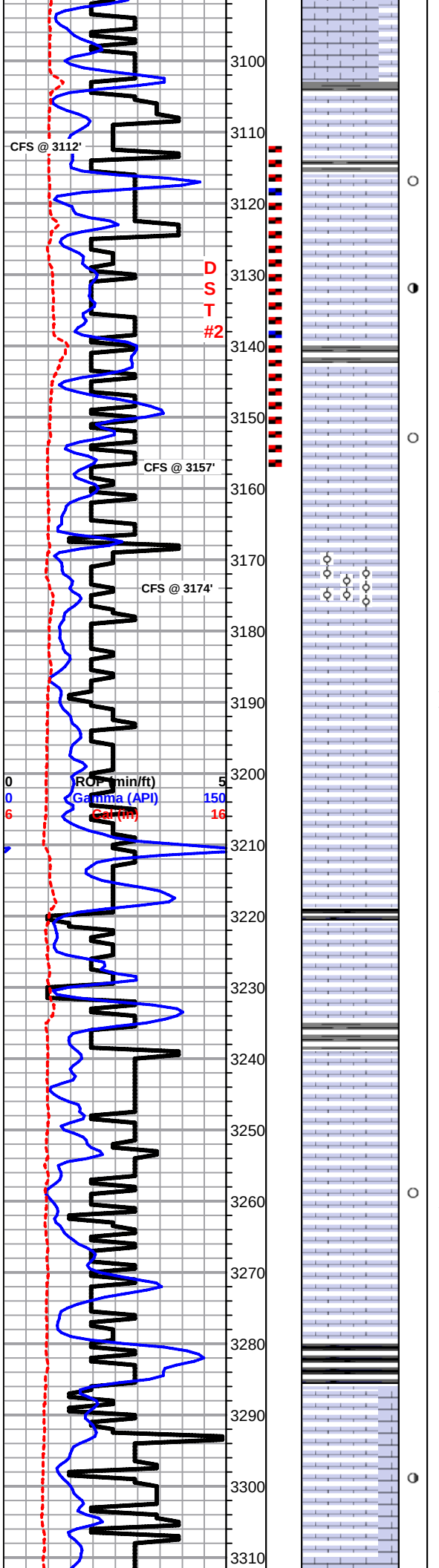
Sh- A/A, w/ grading gritty & earthy maroon pcs

Sh- Lt Gray, much soft & silty, calcareous, gummy argillaceous clumps

BROWN LIME 3057' (-1221) E-LOG 3055' (-1219) Lm- VF-FXLN, dense, semi-brittle, bio-clastic, fsl fragments, high-energy, trashy

Sh- Lt & Drk Gray, mostly silty & calcareous, few pcs of gritty & earthy maroon sh

LKC 3080' (-1244) E-LOG 3081' (-1245) Lm- Tan Cream, FXLN, dense, semi-brittle, fsl, poorly dev. w/ sctrd micro XLN & XLN porosity, few pcs w/ dense secondary Med XLN porosity, sl dolomitic, all barren



Lm- Cream Tan, VF-FXLN, dense, vry well cemented, poorly dev. w/ sctrd micro XLN & XLN porosity, brittle, some sl cherty ls, barren

Lm- Ivory, VF-FXLN, dense, poorly dev. sl oolitic, well cemented & brittle, sctrd micro XLN porosity

Lm- Cream Off White, VF-FXLN, dense, semi-brittle, well cemented, poorly dev. w/ sctrd XLN porosity, pcs w/ sctrd dense XLN secondary porosity veins, 1 PCS W/ VRY WK SPOTTY STN, NO SFO, WK ODR

Lm- Cream Off White, F-Med XLN, fsl w/ interbedded fusulinids, well cemented, sl dev. w/ XLN & sctrd fn ppt porosity, SCTRD LT STN, FEW PCS W/ FLAKEY STN, SL SFO, FR ODR, SLW STRM WET CUT, UPON CRUSH BRT YLW FLOR.

SUREVEY

DST #2
LKC D - F
3113' - 3157'

Sh- Lt Gray, silty & soft, sl calcareous, few gummy argillaceous clumps

Lm- Gray Cream, mix of Fn Grn, sl chalky in part, loosely cemented, sl sandy, mostly consistant interparticle porosity & FXLN, dense, well cemented, poorly dev. w/ sctrd XLN porosity, FEW PCS W/ SL GSY SHN, NO SFO, FNT ODR

Lm- Tan Cream, FXLN, dense, well cemented, poorly dev. oolitic biomicrite, densely to sparsely packed med. oolites, minimal vis. porosity, few sl chalky matrix, barren, tight

Lm- Buff Cream, VF-FXLN Fn Grn, dense poorly dev. mix of clean, well cemented, VF-FXLN w/ minimal vis. porosity & mud supported cementation, chalky in part, soft & loosely cemented w/ vr poor interparticle porosity, barren

Lm- Cream Tan, Fn Grn, dense, some loosely cemented & sl crumbley, some well cemented, sl chalky in part, sl sctrd mottling, barren

Sh- Blck Lt & Drk Gray Lm Gray, thin fissile carbonaceous lense, mostly soft & silty and dense & blocky, some sl waxy

Lm- Tan, VF-FXLN, dense, vry well cemented, clean, tight w/ sctrd micro XLN porosity, barren, 1-2 PCS W/ SL GSY SHN, NO STN, NO SFO, NO ODR

Sh- Lt Gray Lm Green Maroon, silty & soft, dense & blocky, some sl waxy & some silty calcareous lm green, gritty & earthy

Lm- Cream Buff, Vf Grn, dense, vry well cemented algal ls, lithographic w/o vis. porosity, barren

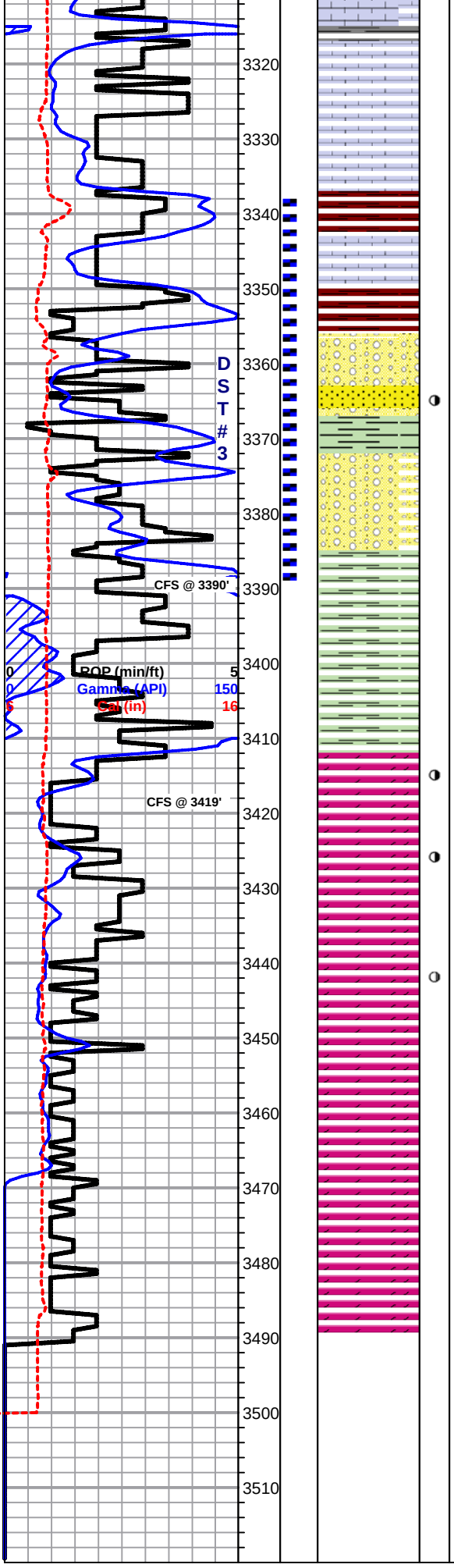
Lm- Cream Off White, FXLN, oolitic, sl - poorly dev. most densely packed small oolites, well cemented w/ sctrd micro XLN porosity, few pcs w/ sctrd - rare fn ppt porosity, FEW PCS W/ WK SPOTTY STN, NO SFO, FNT ODR, WK YLW FLOR, NO STRM WT CUT

Lm- White Off White, Vf Grn, dense, loosely cemented mud supported matrix, chalky, soft, vry clean, barren

Sh- Black Maroon Lm Green Drk Gray, vry fissile, carbonaceous, sl pyritic, waxy & soft, some massive, gritty, & earthy, few dense & blocky

Lm- White Off White, Fn Grn, oolitic, sl dev. w/ sctrd fn ppt porosity, WK SPOTTY STN, SL SFO, NO ODR

Lm- Cream Tan, VF-FXLN, dense, well cemented, mostly tight w/ minimal vis. to sctrd micro XLN porosity, barren



Sh- Lt Gray Lm Green Brown Maroon, soft, sl gummy, silty, gritty & earthy

Lm- Cream Off White, FXLN Vf Grn, tight poorly dev. mix, mostly well cemented, minimal vis. porosity, some vry clean, all barren

BKC 3342' (-1506) E-LOG 3337' (-1501) Sh- Maroon Lt Gray, much soft gritty & earthy, few sl gummy clumps

Sh- Maroon, Lm Green Mustard Yellow, waxy, massive, sl pebbley, some dense & slick

Conglomerate- Ivory w/ Red Tint, VF-FXLN, dense, vry well cemented, some chert & cherty ls, tight w/ no vis. porosity

Sh/Sand- Lm Green, sl waxy, some sandy shale/sandy lime, some soft & calcareous Sand- Clear to Semi-Frosted, Poor-Mod sorted w/ Fn-Med Grn, sub-angular to sub-rounded, most loosely cemented & friable, SCTRD TO SUB-SAT DRK STN, PR-FR SFO, FEW W/ FNT ODR

Conglomerate- Sand, Mustard Yellow Lm Green, shaley sand A/A, few chips of sandy chert, mostly well cemented

SIMPSON SHALE E-LOG 3391' (-1555) Sh- Mint Green, vry waxy, slick, dense & blocky, soft sandy lime & lm green wash

ARBUCKLE 3413' (-1577) E-LOG 3142' (-1576) Dolomite- Tan Buff, FXLN, mostly dense & well cemented w/ sctrd XLN porosity, few chips mod. dev. A/A, loosely cemented & sl crumbley, w/ mostly consistant XLN porosity, LT BRWN STN, SL-FR SFO, FR ODR

Dolomite- Buff White, F-Med XLN, mix of FXLN, limey oolitic/sl oomolic dolomite, sl dev. w/ rare to sctrd skeletal dissolution, few chips of oolitic fresh bedded chert, few med XLN, loosely cemented, dev. w/ mostly consistant fn ppt porosity, SOME W/ SCTRD DRK STN, FR SFO, FO ODR

Dolo- White Off White, Med-Crs XLN, well dev., friable, mostly consistant ppt porosity throughout, SCTRD STN, SL SFO, FR ODR

Dolo- Ivory Lt Pink, VF-FXLN, dense, poorly dev. well cemented w/ sctrd XLN porosity, some sl cherty dolomite, all tight and barren

Dolo-Cream Lt Pink, Med-Crs XLN, most well dev. w/ consistant ppt porosity & euhedral rhombs, loosely cemented, massive, barren

Dolo- A/A w/ soft white chalk, Med XLN, sl limey, soft & crumbley, sl shaley, barren

Dolo- Tan Buff, Med-Crs XLN, well dev., sub-euhedral rhombs, massive, well cememted, barren

RTD 3490' (-1654) LTD 3488 (-1652) @ 15:54 6/3/2013

DST #3
CONGLOMERATE
3338' - 3390'