Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1174876

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 # 31725
Name: Shelby Resources LLC
Address 1: 2717 Canal Blvd.
Address 2: Suite C
City: HAYS State: KS Zip: 67601 + ____
Contact Person: Chris Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Jeremy Schneider
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 #:

10/18/2013	10/25/2013	11/08/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25892-00-00
Spot Description:
__ - SW - SW - NW Sec. 17 Twp. 17 S. R. 13 ☐ East ☑ West
2310 Feet from ☑ North / ☐ South Line of Section
330 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Barton
Lease Name: Nancy Well #: 2-17
Field Name: Wildcat
Producing Formation: L-KC
Elevation: Ground: 1984 Kelly Bushing: 1997
Total Vertical Depth: 3565 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 949 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: 40000 ppm Fluid volume: 1200 bbls
Dewatering method used: Evaporated

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: 12/30/2013
☑ **Confidential Release Date:** 12/30/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/02/2014

1174876

Operator Name: Shelby Resources LLC Lease Name: Nancy Well #: 2-17

Sec. 17 Twp. 17 S. R. 13 ☐ East ☑ West County: Barton

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

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

Name: Attached Top: Attached Datum: 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	949	60/40 Poz	375	2% gel/ 3% cc
Production	7.875	5.5	14	3530	AA-2	150	2% gel/ 35 cc

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	-			
	-			

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 *(Amount and Kind of Material Used)*	Depth
2	3375-80	500 gal 15% NE	
2	3310-18		
2	3286-90		
2	3264-68	500 gal 15% NE	

TUBING RECORD: Size: 2.375 Set At: 3468 Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 11/08/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	60		7		

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:
3380-3264

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

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Nancy 2-17
Doc ID	1174876

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic
Cement Bond

DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal BLVD.
Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

Nancy #2-17

17/17s/13w/Barton

Start Date: 2013.10.22 @ 04:04:00

End Date: 2013.10.22 @ 13:33:30

Job Ticket #: 18506 DST #: 1

Superior Testers Enterprises LLC

PO Box 138 Great Bend KS 67530

1-800-792-6902

Printed: 2013.10.22 @ 13:58:49

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18506 **DST#: 1**

Test Start: 2013.10.22 @ 04:04:00

GENERAL INFORMATION:

Formation: **LKC "A-D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:43:00
Time Test Ended: 13:33:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3236.00 ft (KB) To 3300.00 ft (KB) (TVD)
Total Depth: 3300.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

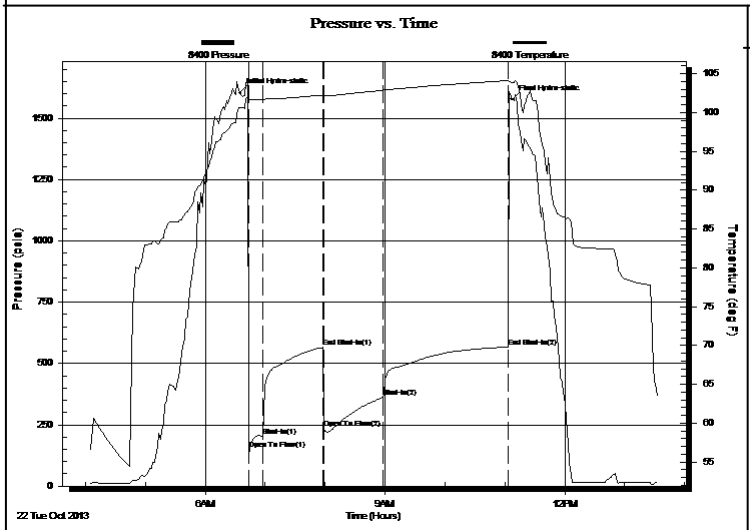
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8400 **Inside**

Press@RunDepth: 362.65 psia @ 3296.40 ft (KB)
Start Date: 2013.10.22 End Date: 2013.10.22
Start Time: 04:04:00 End Time: 13:33:30

Capacity: 5000.00 psia
Last Calib.: 2013.10.22
Time On Btm: 2013.10.22 @ 06:34:30
Time Off Btm: 2013.10.22 @ 11:07:00

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 3 minutes and 45 seconds.
1st Shut In/ 60 Minutes. Blow back built to 6 inches in 5 gallon bucket.
2nd Open/ 60 Minutes. Good blow built to bottom of 5 gallon bucket in 5 minutes. Gas to surface in 45 minutes.
2nd Shut In/ 120 Minutes. Blow back built to bottom of 5 gallon bucket in 6 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1602.38	100.58	Initial Hydro-static
9	149.36	101.70	Open To Flow (1)
23	204.51	101.63	Shut-In(1)
83	565.64	102.23	End Shut-In(1)
85	235.55	102.12	Open To Flow (2)
144	362.65	102.84	Shut-In(2)
269	566.75	104.10	End Shut-In(2)
273	1576.59	103.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
864.00	30% gas, 70% clean oil.	9.65
0.00	Oil gravity corrected was 41.	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.50	1.68
Last Gas Rate	0.13	8.25	3.09

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18506 **DST#: 1**

Test Start: 2013.10.22 @ 04:04:00

GENERAL INFORMATION:

Formation: **LKC "A-D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:43:00
Time Test Ended: 13:33:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3236.00 ft (KB) To 3300.00 ft (KB) (TVD)
Total Depth: 3300.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

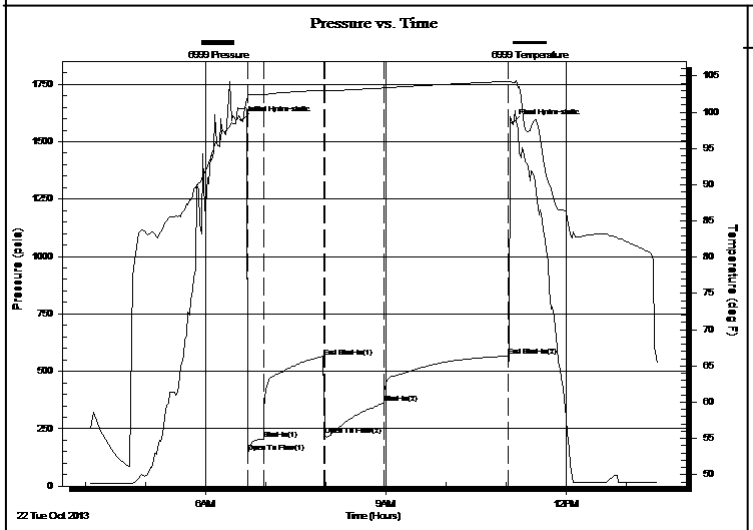
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6999 **Outside**

Press@RunDepth: 565.50 psia @ 3297.40 ft (KB)
Start Date: 2013.10.22 End Date: 2013.10.22
Start Time: 04:04:00 End Time: 13:32:30

Capacity: 5000.00 psia
Last Calib.: 2013.10.22
Time On Btm: 2013.10.22 @ 06:35:30
Time Off Btm: 2013.10.22 @ 11:06:30

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 3 minutes and 45 seconds.
1st Shut In/ 60 Minutes. Blow back built to 6 inches in 5 gallon bucket.
2nd Open/ 60 Minutes. Good blow built to bottom of 5 gallon bucket in 5 minutes. Gas to surface in 45 minutes.
2nd Shut In/ 120 Minutes. Blow back built to bottom of 5 gallon bucket in 6 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1592.26	100.44	Initial Hydro-static
7	146.83	102.32	Open To Flow (1)
22	203.39	102.40	Shut-In(1)
82	564.26	103.00	End Shut-In(1)
84	222.84	102.94	Open To Flow (2)
143	361.88	103.34	Shut-In(2)
267	565.50	104.28	End Shut-In(2)
271	1578.87	104.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
864.00	30% gas, 70% clean oil.	9.65
0.00	Oil gravity corrected was 41.	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.50	1.68
Last Gas Rate	0.13	8.25	3.09

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18506 **DST#: 1**

Test Start: 2013.10.22 @ 04:04:00

Tool Information

Drill Pipe:	Length:	2966.00 ft	Diameter:	3.80 inches	Volume:	41.61 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:		25000.00 lb
Drill Collar:	Length:	270.87 ft	Diameter:	2.25 inches	Volume:	1.33 bbl	Weight to Pull Loose:		86000.00 lb
					Total Volume:	42.94 bbl	Tool Chased		1.00 ft
Drill Pipe Above KB:		29.87 ft					String Weight:	Initial	70000.00 lb
Depth to Top Packer:		3236.00 ft						Final	76000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		64.40 ft							
Tool Length:		93.40 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3208.00		
Shut-In Tool	5.00			3213.00		
Hydroic Tool	5.00			3218.00		
Jars	6.00			3224.00		
Safety Joint	2.00			3226.00		
Packer	5.00			3231.00	29.00	Bottom Of Top Packer
Packer	5.00			3236.00		
Perforations	5.00			3241.00		
Change Over Sub	0.75			3241.75		
Drill Pipe	31.90			3273.65		
Change Over Sub	0.75			3274.40		
Perforations	21.00			3295.40		
Recorder	1.00	8400	Inside	3296.40		
Recorder	1.00	6999	Outside	3297.40		
Bullnose	3.00			3300.40	64.40	Bottom Packers & Anchor
Total Tool Length:	**93.40**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18506 **DST#: 1**

Test Start: 2013.10.22 @ 04:04:00

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:	bbl		
Water Loss:	8.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	3500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
864.00	30% gas, 70% clean oil.	9.652
0.00	Oil gravity corrected was 41.	0.000

Total Length: 864.00 ft Total Volume: 9.652 bbl

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

DRILL STEM TEST REPORT

GAS RATES

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18506 **DST#: 1**

Test Start: 2013.10.22 @ 04:04:00

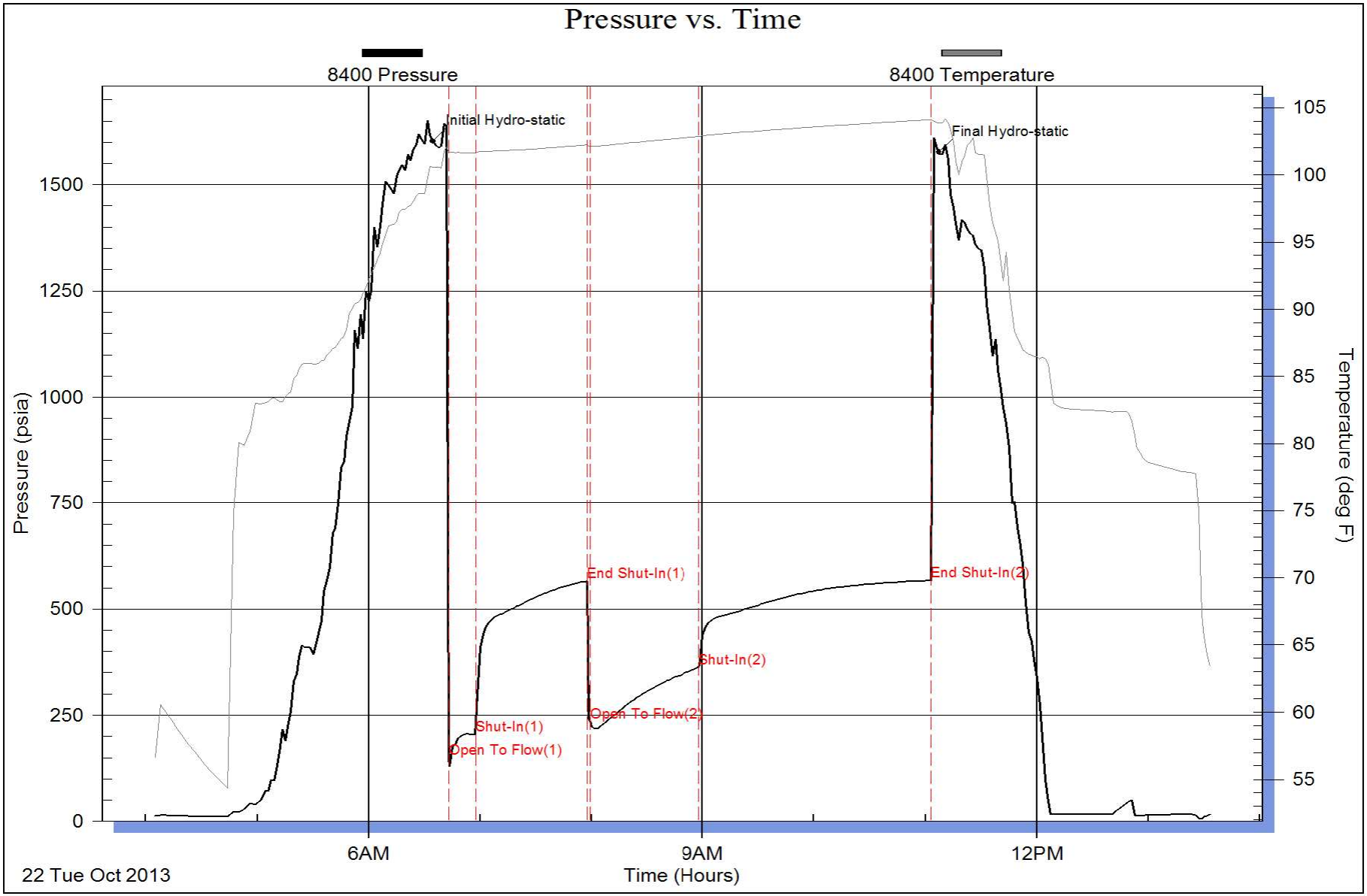
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

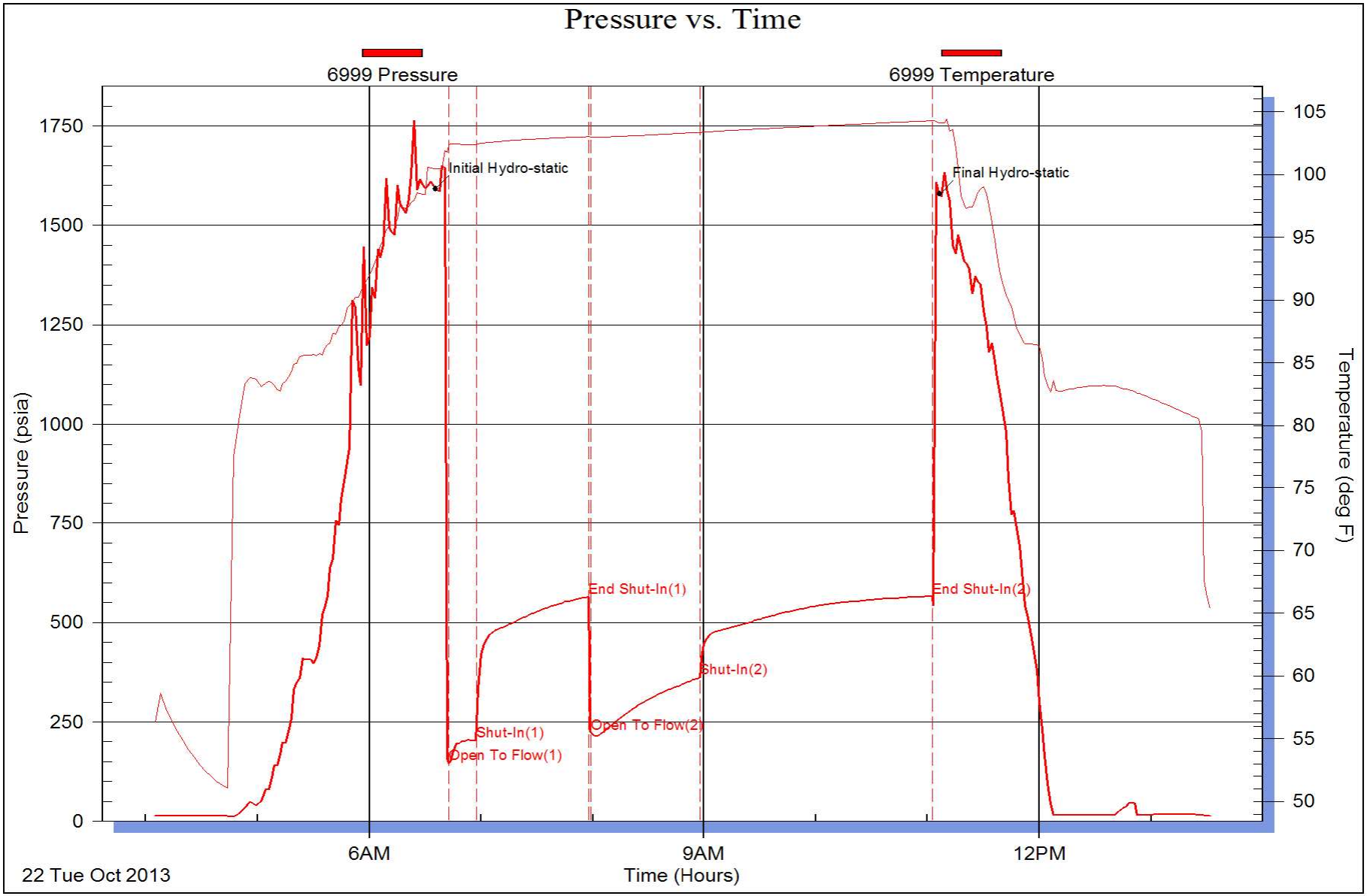
Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	45	0.13	4.50	1.68
2	55	0.13	8.25	3.09

Serial #: 8400 **Inside** Shelby Resources LLC Nancy #2-17 DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 18506 Printed: 2013.10.22 @ 13:58:49

Serial #: 6999 **Outside** Shelby Resources LLC Nancy #2-17 DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 18506 Printed: 2013.10.22 @ 13:58:50

DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal BLVD.
Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

Nancy #2-17

17/17s/13w/Barton

Start Date: 2013.10.22 @ 20:50:00
End Date: 2013.10.23 @ 04:51:30
Job Ticket #: 18507 DST #: 2

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

Printed: 2013.10.23 @ 05:10:11

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18507 **DST#: 2**

Test Start: 2013.10.22 @ 20:50:00

GENERAL INFORMATION:

Formation: **LKC "F-G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:38:30
Time Test Ended: 04:51:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3297.00 ft (KB) To 3321.00 ft (KB) (TVD)
Total Depth: 3321.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

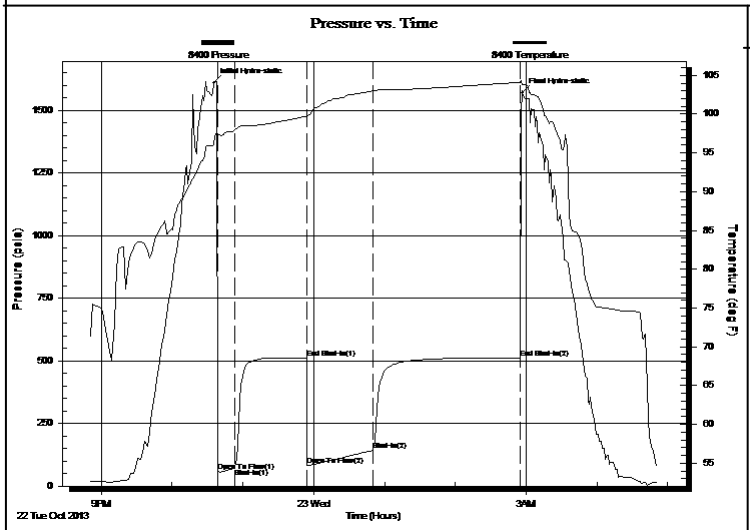
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8400 **Inside**

Press@RunDepth: 142.30 psia @ 3317.00 ft (KB)
Start Date: 2013.10.22 End Date: 2013.10.23
Start Time: 20:50:00 End Time: 04:51:30

Capacity: 5000.00 psia
Last Calib.: 2013.10.23
Time On Btm: 2013.10.22 @ 22:35:30
Time Off Btm: 2013.10.23 @ 02:57:00

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 9 minutes.
1st Shut In/ 60 Minutes. No blow back.
2nd Open/ 60 Minutes. Good blow built to bottom of 5 gallon bucket in 10 minutes 30 seconds.
2nd Shut In/ 120 Minutes. No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1609.68	96.02	Initial Hydro-static
3	57.77	97.32	Open To Flow (1)
18	71.64	97.96	Shut-In(1)
79	512.61	99.71	End Shut-In(1)
79	83.65	99.57	Open To Flow (2)
135	142.30	103.03	Shut-In(2)
260	510.83	104.10	End Shut-In(2)
262	1569.59	103.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	630 feet 100% gas.	0.00
437.00	100% clean gassy oil	3.66
63.00	5% Oil, 5% mud, 90% water.	0.88
0.00	Chloride recov. 29000 ppm	0.00
0.00	Resist recov. .22 at 40%	0.00
0.00	Oil gravity corrected was 41.	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18507 **DST#: 2**

Test Start: 2013.10.22 @ 20:50:00

GENERAL INFORMATION:

Formation: **LKC "F-G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:38:30
Time Test Ended: 04:51:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3297.00 ft (KB) To 3321.00 ft (KB) (TVD)
Total Depth: 3321.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

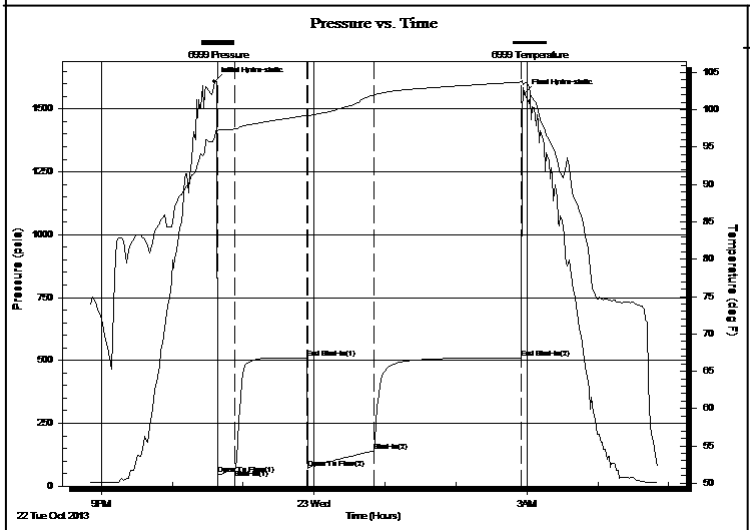
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6999 **Outside**

Press@RunDepth: 508.69 psia @ 3318.00 ft (KB)
Start Date: 2013.10.22 End Date: 2013.10.23
Start Time: 20:50:00 End Time: 04:51:00

Capacity: 5000.00 psia
Last Calib.: 2013.10.23
Time On Btm: 2013.10.22 @ 22:35:30
Time Off Btm: 2013.10.23 @ 02:58:00

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 9 minutes.
1st Shut In/ 60 Minutes. No blow back.
2nd Open/ 60 Minutes. Good blow built to bottom of 5 gallon bucket in 10 minutes 30 seconds.
2nd Shut In/ 120 Minutes. No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1608.97	96.40	Initial Hydro-static
3	45.18	97.25	Open To Flow (1)
18	66.92	97.43	Shut-In(1)
79	510.06	99.28	End Shut-In(1)
79	71.75	99.22	Open To Flow (2)
135	139.91	101.99	Shut-In(2)
260	508.69	103.75	End Shut-In(2)
263	1560.82	103.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	630 feet 100% gas.	0.00
437.00	100% clean gassy oil	3.66
63.00	5% Oil, 5% mud, 90% water.	0.88
0.00	Chloride recov. 29000 ppm	0.00
0.00	Resist recov. .22 at 40%	0.00
0.00	Oil gravity corrected was 41.	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18507 **DST#: 2**

Test Start: 2013.10.22 @ 20:50:00

Tool Information

Drill Pipe:	Length:	3028.00 ft	Diameter:	3.80 inches	Volume:	42.47 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:		25000.00 lb
Drill Collar:	Length:	270.87 ft	Diameter:	2.25 inches	Volume:	1.33 bbl	Weight to Pull Loose:		86000.00 lb
					Total Volume:	43.80 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		30.87 ft					String Weight:	Initial	70000.00 lb
Depth to Top Packer:		3297.00 ft						Final	72000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		24.00 ft							
Tool Length:		53.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3269.00		
Shut-In Tool	5.00			3274.00		
Hydroic Tool	5.00			3279.00		
Jars	6.00			3285.00		
Safety Joint	2.00			3287.00		
Packer	5.00			3292.00	29.00	Bottom Of Top Packer
Packer	5.00			3297.00		
Perforations	19.00			3316.00		
Recorder	1.00	8400	Inside	3317.00		
Recorder	1.00	6999	Outside	3318.00		
Bullnose	3.00			3321.00	24.00	Bottom Packers & Anchor
Total Tool Length:	**53.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18507 **DST#: 2**

Test Start: 2013.10.22 @ 20:50:00

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	5900.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

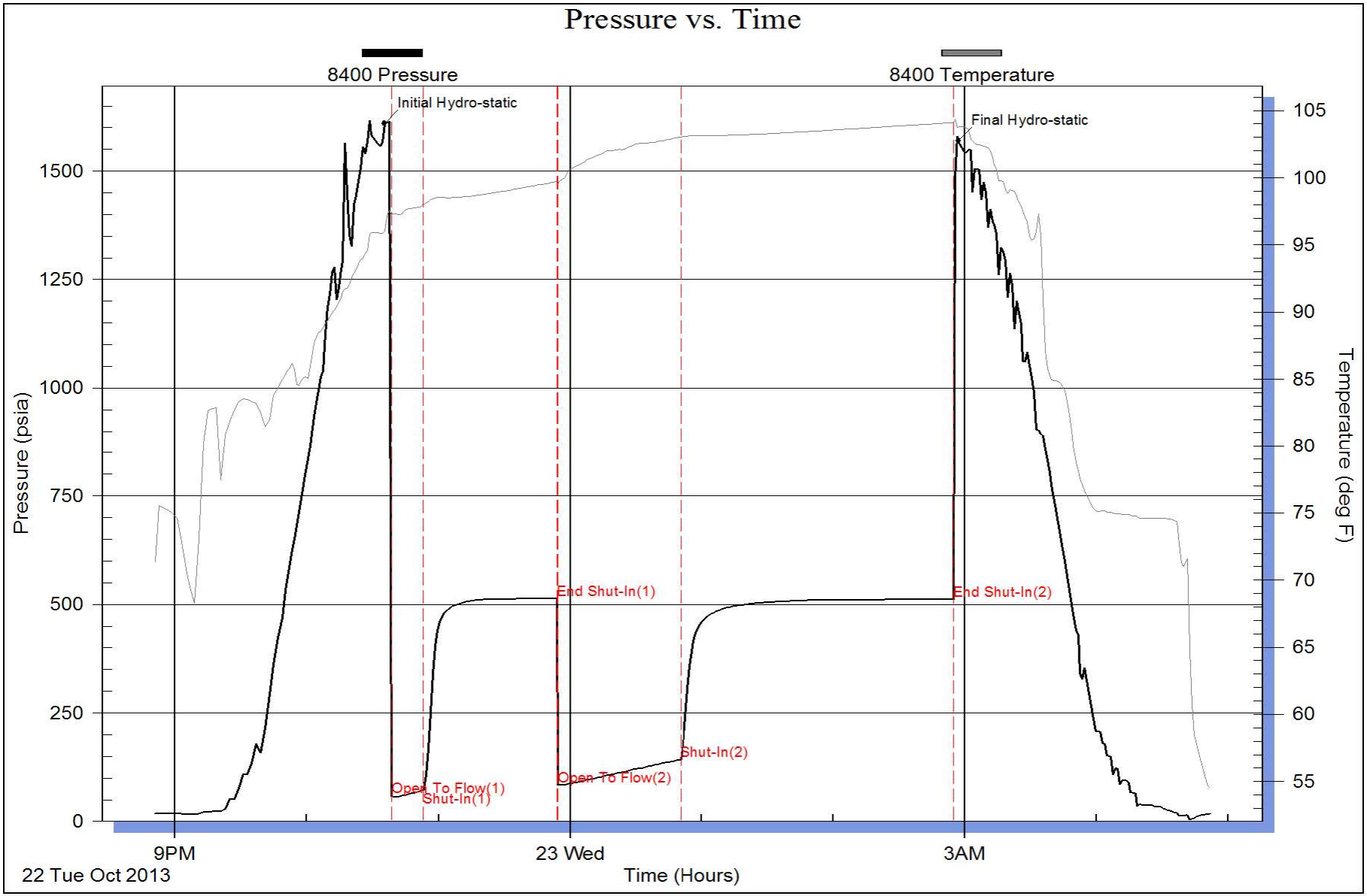
Recovery Table

Length ft	Description	Volume bbl
0.00	630 feet 100% gas.	0.000
437.00	100% clean gassy oil	3.662
63.00	5% Oil, 5% mud, 90% water.	0.884
0.00	Chloride recov. 29000 ppm	0.000
0.00	Resist recov. .22 at 40%	0.000
0.00	Oil gravity corrected was 41.	0.000

Total Length: 500.00 ft Total Volume: 4.546 bbl

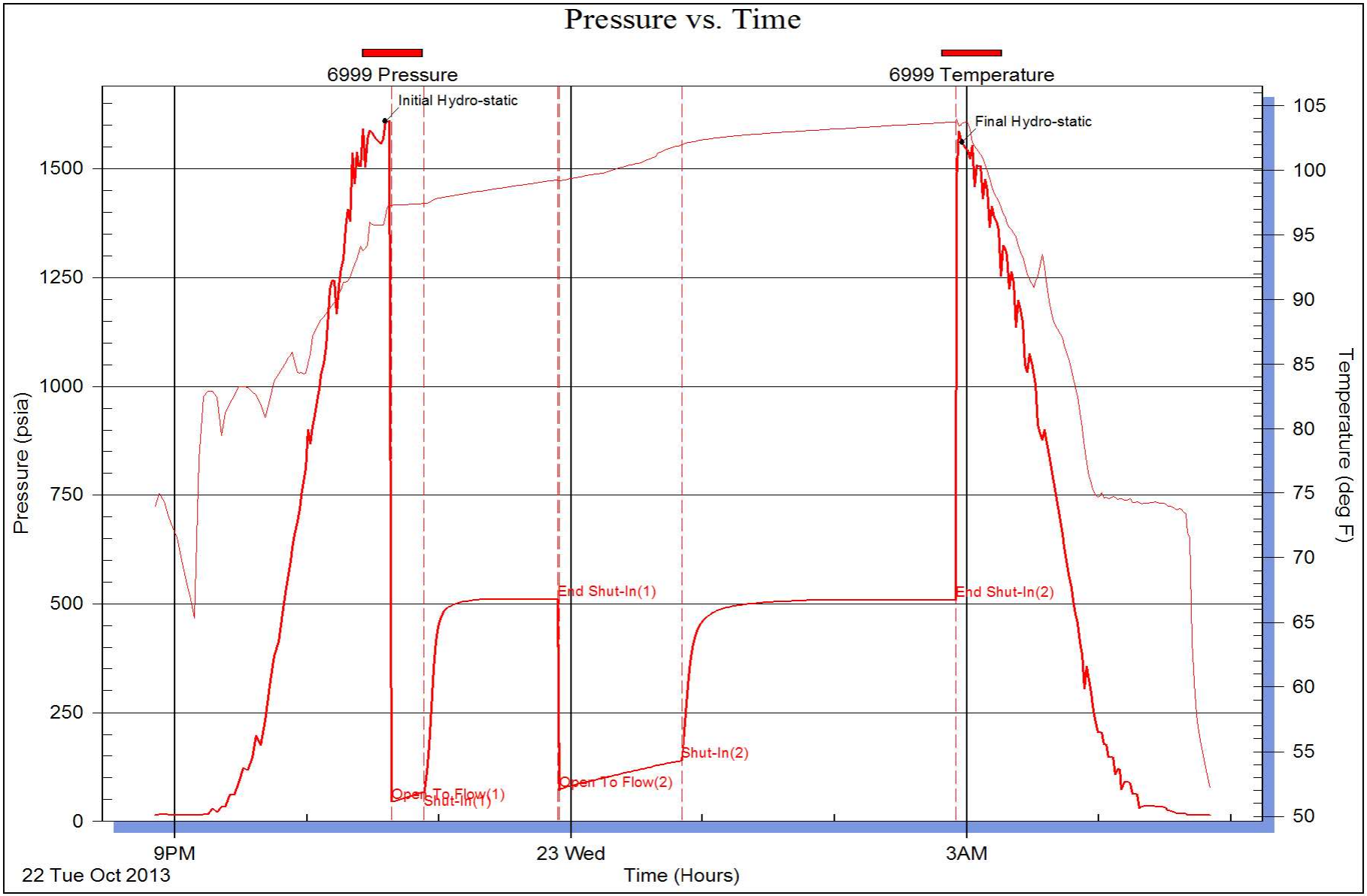
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8400 **Inside** Shelby Resources LLC Nancy #2-17 DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 18507 Printed: 2013.10.23 @ 05:10:12

Serial #: 6999 **Outside** Shelby Resources LLC Nancy #2-17 DST Test Number: 2



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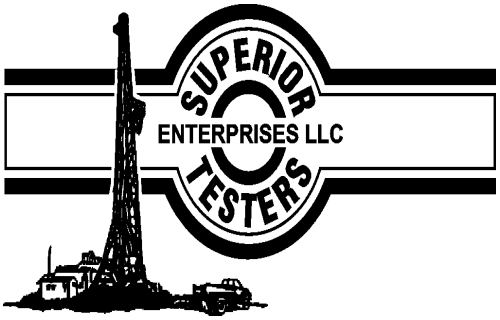


DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal BLVD.
Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

Nancy #2-17

17/17s/13w/Barton

Start Date: 2013.10.23 @ 17:25:00
End Date: 2013.10.24 @ 00:27:30
Job Ticket #: 18508 DST #: 3

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

Printed: 2013.10.24 @ 00:40:27

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18508 **DST#: 3**

Test Start: 2013.10.23 @ 17:25:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:13:30
Time Test Ended: 00:27:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3355.00 ft (KB) To 3455.00 ft (KB) (TVD)
Total Depth: 3455.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

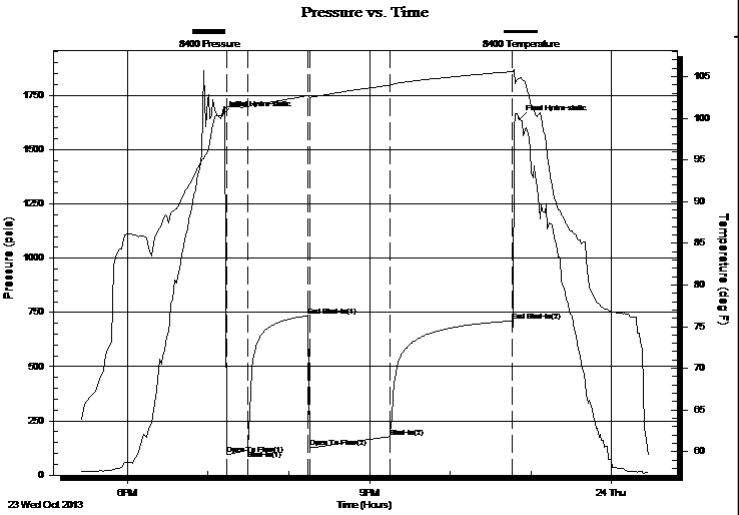
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8400 **Inside**

Press@RunDepth: 176.90 psia @ 3449.50 ft (KB)
Start Date: 2013.10.23 End Date: 2013.10.24
Start Time: 17:25:00 End Time: 00:27:30

Capacity: 5000.00 psia
Last Calib.: 2013.10.24
Time On Btm: 2013.10.23 @ 19:10:30
Time Off Btm: 2013.10.23 @ 22:51:30

TEST COMMENT: 1st Open/ 15 Minutes. Fair blow built to 2 1/ inches in 5 gallon bucket.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 60 Minutes. Fair blow built to 5 inches in 5 gallon bucket.
2nd Shut In/ 90 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1654.84	100.24	Initial Hydro-static
3	93.82	101.11	Open To Flow (1)
19	114.72	101.36	Shut-In(1)
65	734.54	102.72	End Shut-In(1)
65	126.23	102.53	Open To Flow (2)
125	176.90	103.96	Shut-In(2)
216	711.30	105.61	End Shut-In(2)
221	1639.35	104.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
97.00	100% mud	0.48

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18508 **DST#: 3**

Test Start: 2013.10.23 @ 17:25:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:13:30
Time Test Ended: 00:27:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3355.00 ft (KB) To 3455.00 ft (KB) (TVD)
Total Depth: 3455.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

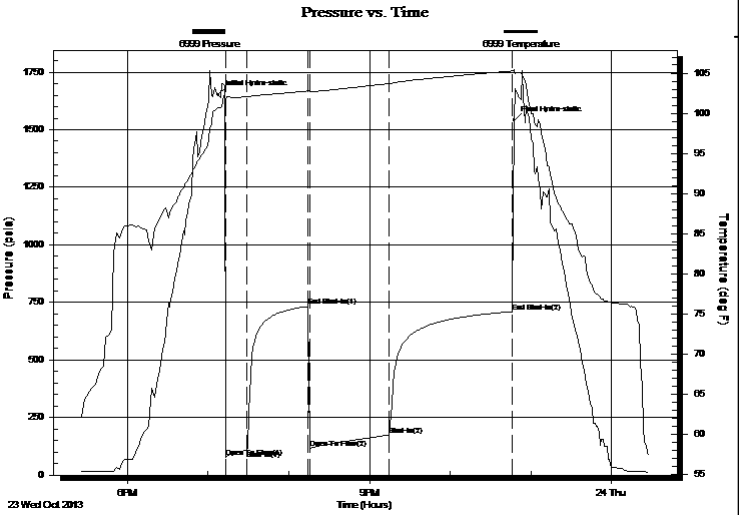
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6999 **Outside**

Press@RunDepth: 709.79 psia @ 3450.50 ft (KB)
Start Date: 2013.10.23 End Date: 2013.10.24
Start Time: 17:25:00 End Time: 00:28:00

Capacity: 5000.00 psia
Last Calib.: 2013.10.24
Time On Btm: 2013.10.23 @ 19:07:30
Time Off Btm: 2013.10.23 @ 22:47:30

TEST COMMENT: 1st Open/ 15 Minutes. Fair blow built to 2 1/ inches in 5 gallon bucket.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 60 Minutes. Fair blow built to 5 inches in 5 gallon bucket.
2nd Shut In/ 90 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1651.78	100.66	Initial Hydro-static
6	79.17	101.59	Open To Flow (1)
22	110.05	102.03	Shut-In(1)
67	732.83	102.78	End Shut-In(1)
68	116.07	102.68	Open To Flow (2)
127	173.56	103.69	Shut-In(2)
219	709.79	105.27	End Shut-In(2)
220	1540.92	105.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
97.00	100% mud	0.48

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18508 **DST#: 3**

Test Start: 2013.10.23 @ 17:25:00

Tool Information

Drill Pipe:	Length:	3026.00 ft	Diameter:	3.80 inches	Volume:	42.45 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:		25000.00 lb
Drill Collar:	Length:	329.44 ft	Diameter:	2.25 inches	Volume:	1.62 bbl	Weight to Pull Loose:		95000.00 lb
					Total Volume:	44.07 bbl	Tool Chased		1.00 ft
Drill Pipe Above KB:		29.44 ft					String Weight:	Initial	70000.00 lb
Depth to Top Packer:		3355.00 ft						Final	71000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		100.50 ft							
Tool Length:		129.50 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3327.00		
Shut-In Tool	5.00			3332.00		
Hydroic Tool	5.00			3337.00		
Jars	6.00			3343.00		
Safety Joint	2.00			3345.00		
Packer	5.00			3350.00	29.00	Bottom Of Top Packer
Packer	5.00			3355.00		
Perforations	5.00			3360.00		
Change Over Sub	0.75			3360.75		
Drill Pipe	63.00			3423.75		
Change Over Sub	0.75			3424.50		
Perforations	24.00			3448.50		
Recorder	1.00	8400	Inside	3449.50		
Recorder	1.00	6999	Outside	3450.50		
Bullnose	5.00			3455.50	100.50	Bottom Packers & Anchor
Total Tool Length:	**129.50**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18508 **DST#: 3**

Test Start: 2013.10.23 @ 17:25:00

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:	8.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	6700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

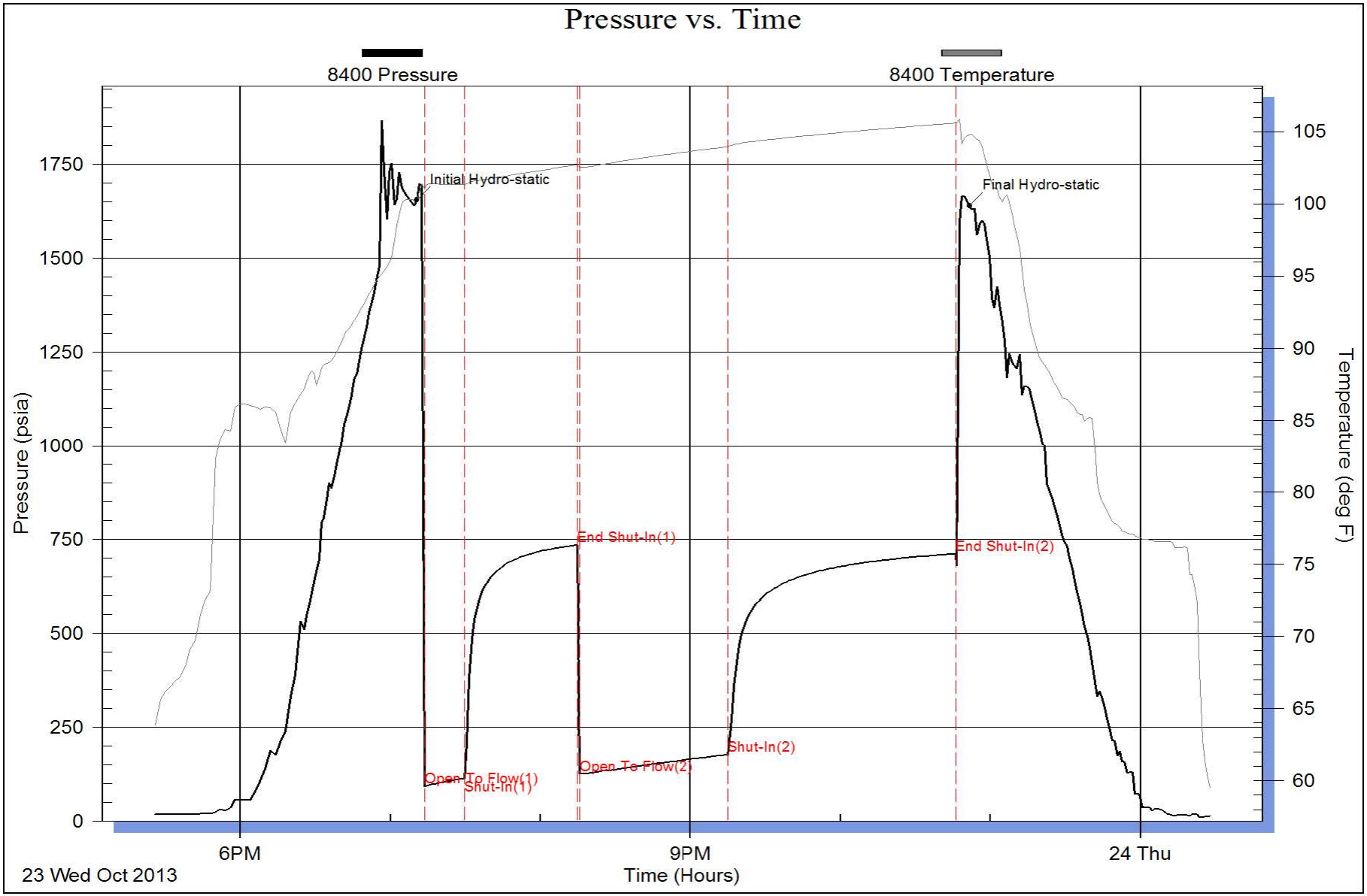
Recovery Table

Length ft	Description	Volume bbl
97.00	100% mud	0.477

Total Length: 97.00 ft Total Volume: 0.477 bbl

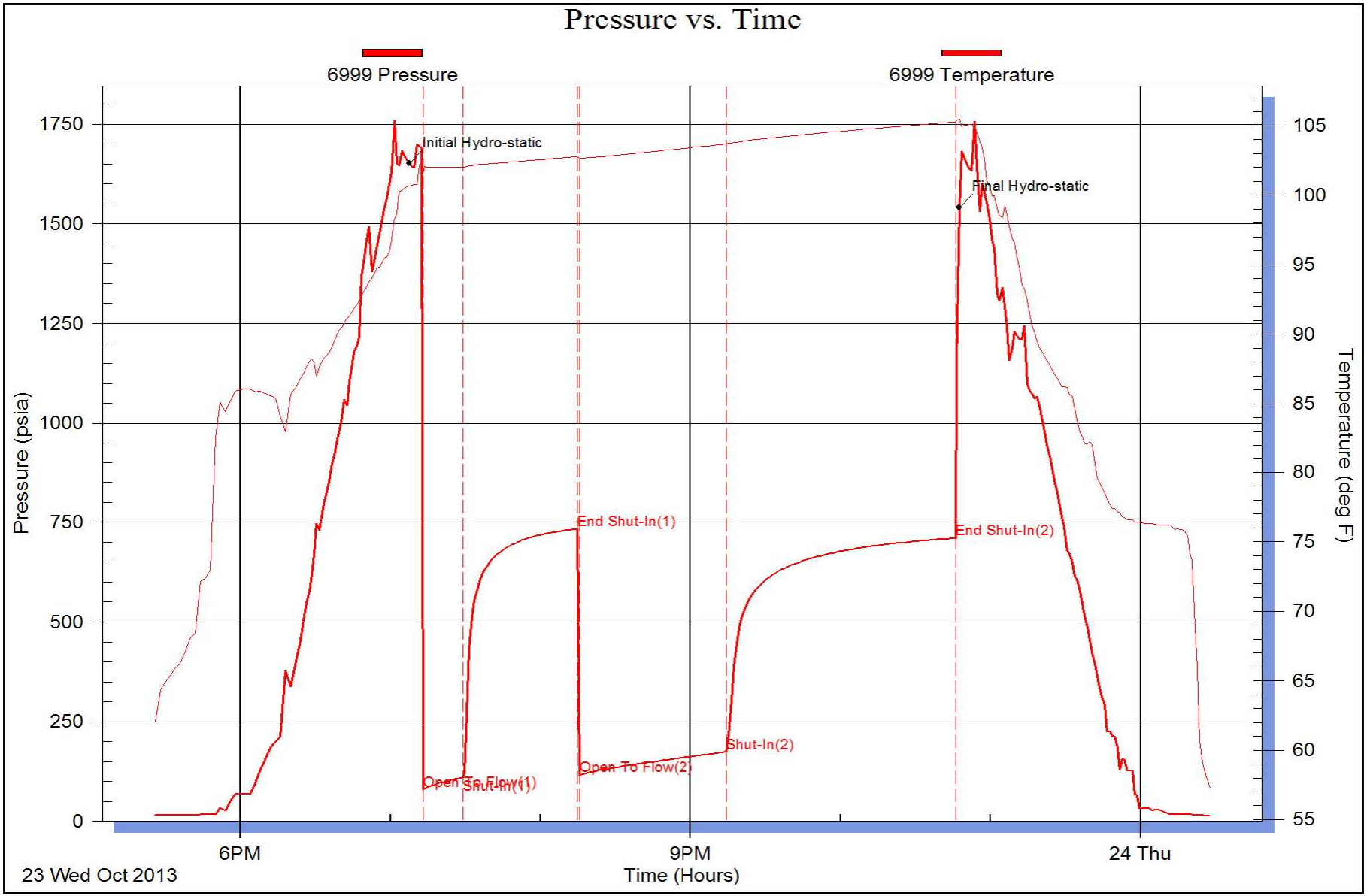
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8400 **Inside** Shelby Resources LLC Nancy #2-17 DST Test Number: 3



Superior Testers Enterprises LLC Ref. No: 18508 Printed: 2013.10.24 @ 00:40:28

Serial #: 6999 **Outside** Shelby Resources LLC Nancy #2-17 DST Test Number: 3



Superior Testers Enterprises LLC Ref. No: 18508 Printed: 2013.10.24 @ 00:40:28

DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal BLVD.
Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

Nancy #2-17

17/17s/13w/Barton

Start Date: 2013.10.24 @ 07:32:00
End Date: 2013.10.24 @ 12:10:00
Job Ticket #: 18509 DST #: 4

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

Printed: 2013.10.24 @ 12:24:38

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18509 **DST#: 4**

Test Start: 2013.10.24 @ 07:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:20:00
Time Test Ended: 12:10:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3449.00 ft (KB) To 3485.00 ft (KB) (TVD)
Total Depth: 3485.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

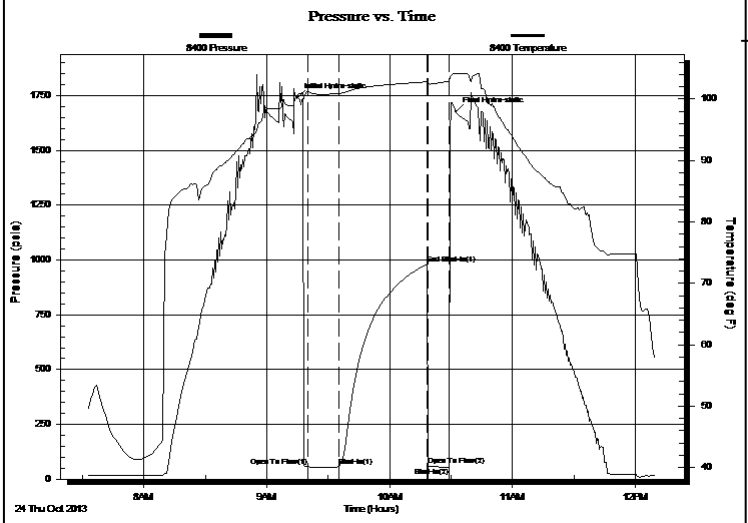
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8400 **Inside**

Press@RunDepth: 58.82 psia @ 3481.00 ft (KB)
Start Date: 2013.10.24 End Date: 2013.10.24
Start Time: 07:32:00 End Time: 12:10:00

Capacity: 5000.00 psia
Last Calib.: 2013.10.24
Time On Btm: 2013.10.24 @ 09:15:00
Time Off Btm: 2013.10.24 @ 10:32:30

TEST COMMENT: 1st Open/ 15 Minutes. Weak surface blow.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 20 Minutes. No blow, flushed tool and gained no blow, pulled test per Geo.
2nd Shut In/ N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1740.84	100.71	Initial Hydro-static
5	57.09	101.25	Open To Flow (1)
20	58.82	100.93	Shut-In(1)
64	981.62	102.81	End Shut-In(1)
64	61.72	102.47	Open To Flow (2)
74	52.61	102.93	Shut-In(2)
78	1677.75	104.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18509 **DST#: 4**

Test Start: 2013.10.24 @ 07:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:20:00
Time Test Ended: 12:10:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3449.00 ft (KB) To 3485.00 ft (KB) (TVD)
Total Depth: 3485.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

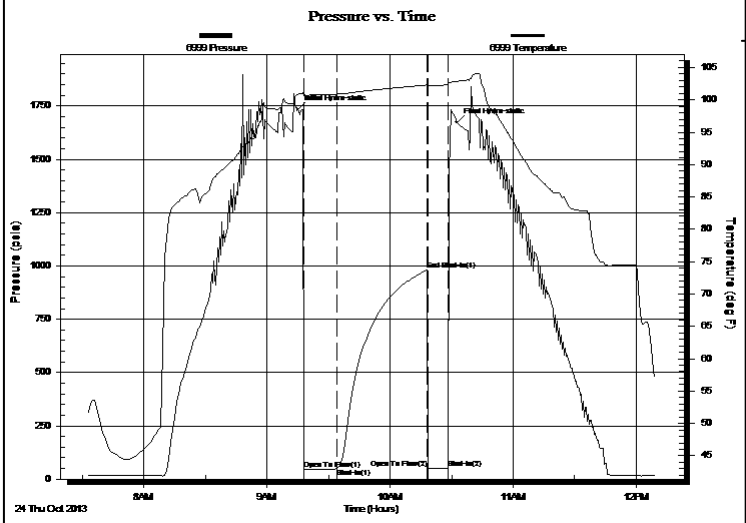
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6999 **Outside**

Press@RunDepth: 981.19 psia @ 3482.00 ft (KB)
Start Date: 2013.10.24 End Date: 2013.10.24
Start Time: 07:32:00 End Time: 12:09:30

Capacity: 5000.00 psia
Last Calib.: 2013.10.24
Time On Btm: 2013.10.24 @ 09:15:00
Time Off Btm: 2013.10.24 @ 10:32:30

TEST COMMENT: 1st Open/ 15 Minutes. Weak surface blow.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 20 Minutes. No blow, flushed tool and gained no blow, pulled test per Geo.
2nd Shut In/ N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1732.91	100.86	Initial Hydro-static
3	46.87	100.74	Open To Flow (1)
19	50.92	100.88	Shut-In(1)
63	981.19	102.30	End Shut-In(1)
64	49.22	101.97	Open To Flow (2)
74	49.50	102.34	Shut-In(2)
78	1672.11	102.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18509 **DST#: 4**

Test Start: 2013.10.24 @ 07:32:00

Tool Information

Drill Pipe:	Length:	3122.00 ft	Diameter:	3.80 inches	Volume:	43.79 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:	25000.00 lb
Drill Collar:	Length:	329.44 ft	Diameter:	2.25 inches	Volume:	1.62 bbl	Weight to Pull Loose:	84000.00 lb
					Total Volume:	45.41 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		31.44 ft					String Weight: Initial	70000.00 lb
Depth to Top Packer:		3449.00 ft					Final	70000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		36.00 ft						
Tool Length:		65.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3421.00		
Shut-In Tool	5.00			3426.00		
Hydroic Tool	5.00			3431.00		
Jars	6.00			3437.00		
Safety Joint	2.00			3439.00		
Packer	5.00			3444.00	29.00	Bottom Of Top Packer
Packer	5.00			3449.00		
Perforations	31.00			3480.00		
Recorder	1.00	8400	Inside	3481.00		
Recorder	1.00	6999	Outside	3482.00		
Bullnose	3.00			3485.00	36.00	Bottom Packers & Anchor
Total Tool Length:	**65.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18509 **DST#: 4**

Test Start: 2013.10.24 @ 07:32:00

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:	8.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	6700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

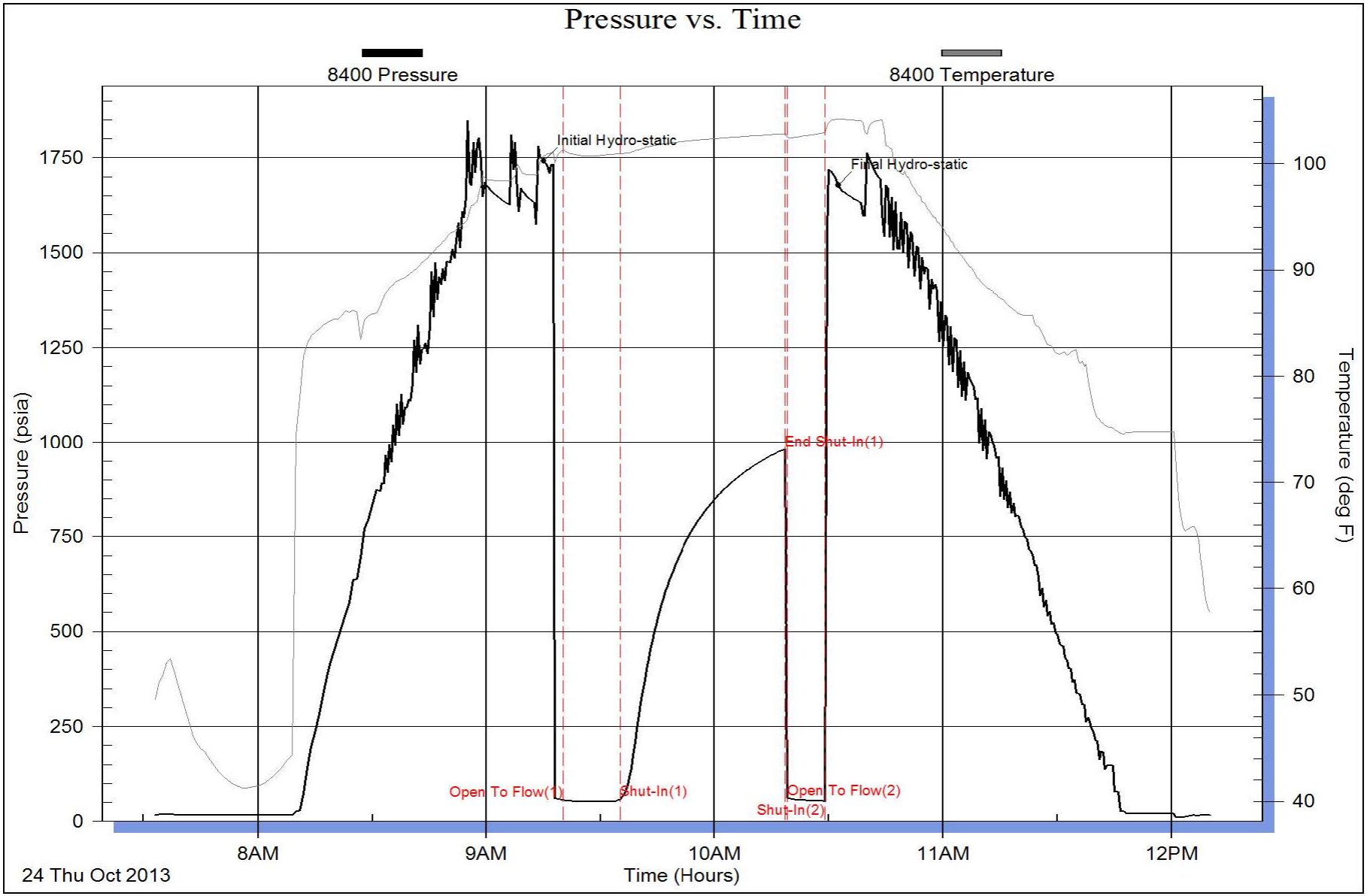
Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

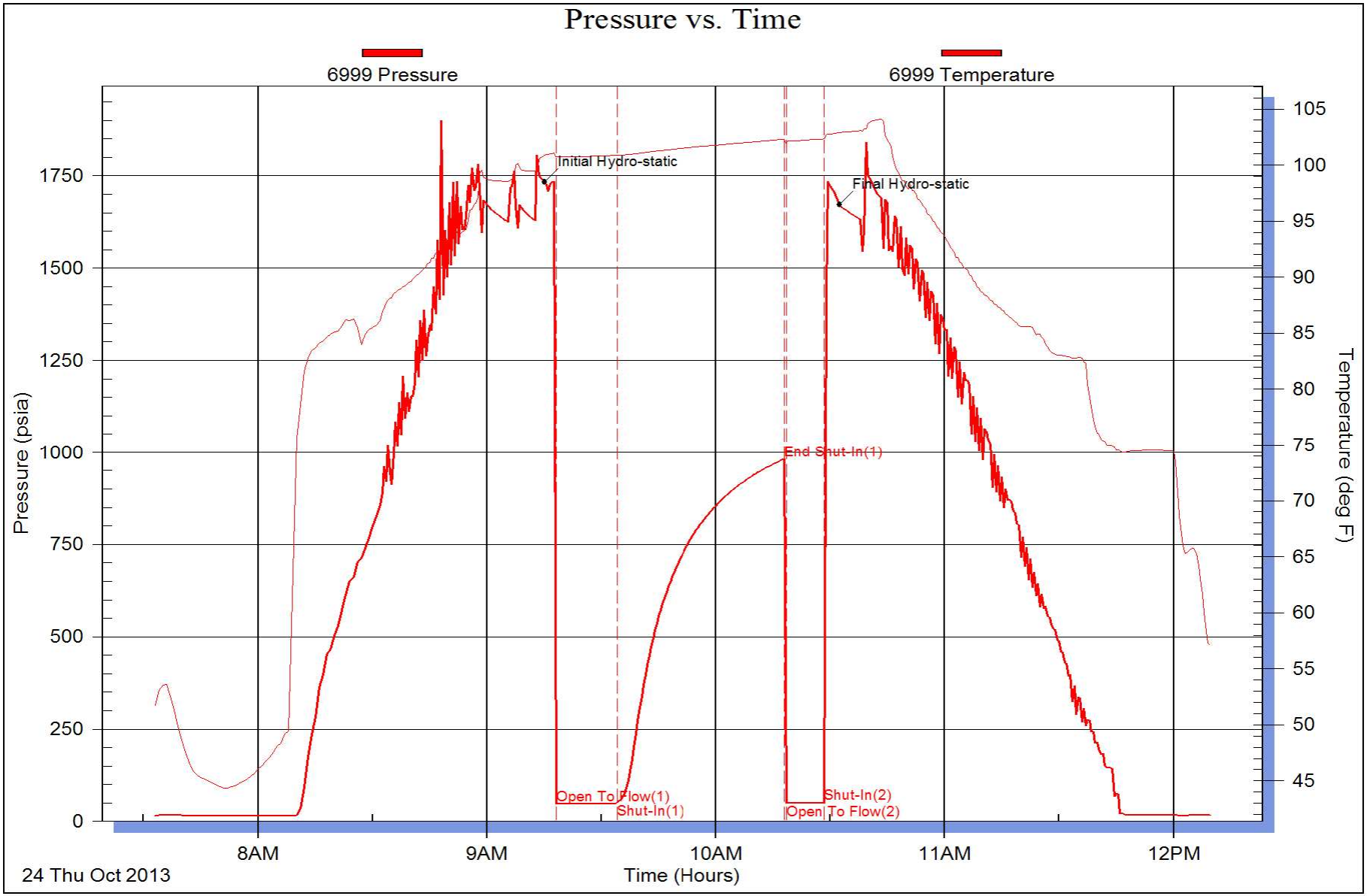
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8400 **Inside** Shelby Resources LLC Nancy #2-17 DST Test Number: 4



Superior Testers Enterprises LLC Ref. No: 18509 Printed: 2013.10.24 @ 12:24:38

Serial #: 6999 **Outside** Shelby Resources LLC Nancy #2-17 DST Test Number: 4



Superior Testers Enterprises LLC Ref. No: 18509 Printed: 2013.10.24 @ 12:24:39

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 7456

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-18-13	17	17	13	Barton	KS		8:00pm

Location S. Susank S to 150 Rd 1W 1/2S E into

Lease Nancy Well No. 2-17

Contractor Sterling #5

Type Job Surface

Hole Size 12 1/4 T.D. 951

Csg. 8 5/8 Depth 951

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 42.62 Shoe Joint 42.62

Meas Line Displace 57 3/4 BL

EQUIPMENT

Pumptrk 17 No. Cementer Craig

Helper

Bulktrk No. Driver Cody

Driver

Bulktrk 12 No. Driver

Driver Clayton

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

8 5/8 on bottom. Est Circulation. Mix 325sk 60/40 3%CC 2%Gel Displace Plug. Cement Circulated.

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Shelby Resources

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 325 60/40 3%CC 2%GEL

Common 225

Poz. Mix 150

Gel. 7

Calcium 14

Hulls

Salt

Flowseal

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 386

Mileage

FLOAT EQUIPMENT

Guide Shoe 1 8 5/8

~~Centralizer~~ Baffle Plate

~~Baskets~~ Rubber Plug

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge Long Surface

Mileage 17

Tax

Discount

Total Charge

X Signature Alan Loftis

BASIC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
SHELBY - ROS		10-25-13
Lease	**Well #**	
NANCY	2-17	

Field Order #	Station	Casing	Depth	County	State
4092		5 1/2	3529'	BARTON	KS

Type Job	Formation	Legal Description
CNW 5 1/2 LONGSTRING		17-17-13

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 3529'	Depth	From	To	Pre Pad	Max		5 Min.
Volume 85.5	Volume	From	To	Pad	Min		10 Min.
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 3508'	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
	DAVE Scott	Robert Sullivan

Service Units	37900	27463	19831	19862							
Driver Names	Sullivan	Young	Kuiman								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00					on loc Safety meet
					Run 85 jts 5 1/2 #14 csg.
10:20					CASING on Bottom
10:30					Hook Rig circ csg.
11:30	200		11	3.5	St Scavenger cmt 50sk @ #14 ppg
			24	4.5	mix Tail cmt 200sk AA-2 @ 15 ppg
					cmt mixed Shut down. Wash Pump, Lines
					Release Plug
				5	St Disp
	350				Lift PSI
	800			3.5	Slow Rate
12:00	1,800		85.5		Plug down
			7		Plug RH w/ 30 sk
			5		plug MH w/ 20 sk
					JOB Complete
					THANK YOU

Taylor Printing, Inc. 620-672-3656

Scale 1:240 Imperial

Well Name:	Nancy #2-17		
Surface Location:	2260' FSL _2440' FWL Sec 17-17S-13W		
Bottom Location:			
API:	15-009-25892-00-00		
License Number:			
Spud Date:	10/17/2013	Time:	7:45 PM
Region:	Barton County		
Drilling Completed:	10/24/2013	Time:	5:30 PM
Surface Coordinates:	Y = 694361 & X = 1916405		
Bottom Hole Coordinates:	Y = & X =		
Ground Elevation:	1984.00ft		
K.B. Elevation:	1997.00ft		
Logged Interval:	2800.00ft	To:	3565.00ft
Total Depth:	3565.00ft		
Formation:	Lansing-Kansas City		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Shelby Resources, LLC		
Address:	445 Union Blvd, Suite 208 Lakewood, CO 80228		
Contact Geologist:	Janine Sturdavant		
Contact Phone Nbr:	303-907-2209 / 720-274-4682		
Well Name:	Nancy #2-17		
Location:	2260' FSL _2440' FWL Sec 17-17S-13W	API:	15-009-25892-00-00
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

LOGGED BY

Company:	Shelby Resources, LLC		
Address:	445 UNION BLVD. Suite 208 LAKEWOOD, CO. 80228		
Phone Nbr:	203-671-6034		
Logged By:	Geologist	Name:	Jeremy Schwartz

NOTES

The Shelby Resources Nancy #2-17 was drilled to a total depth of 3565', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

Four DST's were conducted throughout the Lansing Kansas City and Arbuckle Zones. The DST reports can be found at the bottom of this log.

Due to the DST results, sample shows, gas kicks, and log analysis it was determined by all parties involved to furthur test the well through production pipe. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist

NOTE: Elog depths are 2' Higher/Shallower to the Drill Time so all DST's need to be adjusted 2' Higher

SURFACE CO-ORDINATES

Well Type:	Vertical

Longitude: Latitude:
N/S Co-ord: Y = 694361
E/W Co-ord: X = 1916405

CONTRACTOR

Contractor: Sterling Drilling Co
Rig #: 5
Rig Type: mud rotary
Spud Date: 10/17/2013 Time: 7:45 PM
TD Date: 10/24/2013 Time: 5:30 PM
Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1997.00ft Ground Elevation: 1984.00ft
K.B. to Ground: 13.00ft

DATE	DEPTH	ACTIVITY
Monday, October 21, 2013	3000'	Geologist Jeremy Schwartz on location @ 1000hrs, DRLG ahead through King Hill,
		Queen Hill, Heebner, Toronto, Douglas, Brown Lime, LKC, Short Trip, Strap out,
	3300'	Drop survey, Conduct DST #1 in LKC "A-D"
Tuesday, October 22, 2013	3300'	DRLG ahead through LKC F, G, Conduct DST #2 in LKC "F-G"
Wednesday, October 23, 2013	3321'	DRLG ahead through LKC lower G, Muncie Creek, LKC H, Stark Shale, BKC,
	3455'	Conduct DST #3 in LKC "H-K"
Thursday, October 24, 2013	3455'	DRLG ahead through BKC, Conglomerate, Arbuckle, Conduct DST #4 in the Arbuckle
	3485'	DRLG ahead to TD @ 3565', TD reached @ 1730hrs, Conduct Logging Operations
Friday, October 25, 2013	3565'	Logging Operations Completed @ 0015hrs
		Geologist Jeremy Schwartz off location @ 0045hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	NANCY #2-17
LEGAL:	2260' FSL & 2440' FWL 17-17S-13W
COUNTY:	BARTON
API :	15-009-25892-0000
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

	NANCY #2-17 C SW SW NW 17-17S-13W				SHELBY RESOURCES, LLC NANCY #1-17 C N/2 SW NW 17-17S-13W						SHELBY RESOURCES, LLC HOFFMAN #1-18 C S/2 NE 18-17S-13W						SHELBY RESOURCES, LLC CLARKSON #1-17 SW SE 17-17S-13W					
	KB	1997			KB	1992					KB	1945					KB	1974				
	LOG TOPS		SAMPLE TOPS		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.	
ANHYDRITE TOP	939	1058	939	1058	928	1064	-	6	-	6	890	1055	+	3	+	3	908	1066	-	8	-	8
BASE	965	1032	951	1046	956	1036	-	4	+	10	917	1028	+	4	+	18	936	1038	-	6	+	8
KING HILL	2994	-997	2997	-1000	2986	-994	-	3	-	6	2942	-997	+	0	-	3	2971	-997	+	0	-	3
QUEEN HILL	3059	-1062	3060	-1063	3050	-1058	-	4	-	5	3005	-1060	-	2	-	3	3036	-1062	+	0	-	1
HEEBNER SHALE	3146	-1149	3148	-1151	3138	-1146	-	3	-	5	3092	-1147	-	2	-	4	3121	-1147	-	2	-	4
TORONTO	3163	-1166	3166	-1169	3156	-1164	-	2	-	5	3109	-1164	-	2	-	5	3138	-1164	-	2	-	5
DOUGLAS SHALE	3173	-1176	3174	-1177	3166	-1174	-	2	-	3	3119	-1174	-	2	-	3	3151	-1177	+	1	+	0
BROWN LIME	3229	-1232	3230	-1233	3218	-1226	-	6	-	7	3173	-1228	-	4	-	5	3203	-1229	-	3	-	4
LKC	3238	-1241	3240	-1243	3228	-1236	-	5	-	7	3182	-1237	-	4	-	6	3211	-1237	-	4	-	6
LKC G	3309	-1312	3311	-1314	3300	-1308	-	4	-	6	3250	-1305	-	7	-	9	3291	-1317	+	5	+	3
MUNCIE CREEK	3365	-1368	3362	-1365	3354	-1362	-	6	-	3	3309	-1364	-	4	-	1	3337	-1363	-	5	-	2
LKC H	3372	-1375	3369	-1372	3361	-1369	-	6	-	3	3316	-1371	-	4	-	1	3342	-1368	-	7	-	4
STARK SHALE	3425	-1428	3424	-1427	3413	-1421	-	7	-	6	3369	-1424	-	4	-	3	3398	-1424	-	4	-	3
BKC	3452	-1455	3450	-1453	3438	-1446	-	9	-	7	3397	-1452	-	3	-	1	3424	-1450	-	5	-	3
ARBUCKLE	3473	-1476	3473	-1476	3476	-1484	+	8	+	8	3412	-1467	-	9	-	9	3445	-1471	-	5	-	5
RTD			3565	-1568	3539	-1547			-	21	3525	-1580			+	12	3540	-1566			-	2
LTD	3476	-1479			3537	-1545	+	66			3526	-1581	+	102			3542	-1568	+	89		
					TESTED						TESTED						TESTED					
					DST #1 (3228 - 3287) LKC A-D 15-60-60-120 1ST OPEN STRONG - BOB 3MIN BB BOB 7MIN 2ND OPEN STRONG BOB 3.5MIN/GTS 45MIN BB BOB 4MIN 504' MCOG (G 50%, O 40%, M 10%) 300' MCGO (O 75%, G 20%, M 5%) SIP: 639 - 664 DST #2 (3287 - 3312) LKC F-G 15-60-60-120 1ST OPEN STRONG - BOB 9MIN						DST #1 (3176-3237) LKC A-D IF BOB 2M FF - BOB <1M BOB BLO BKS 1980' OIL, 120' OGCM 982# / 1038# DST #2 (3238-3261) LKC F-G IF BOB 1M, BL BK BOB FF - BOB 1M, BL BK BOB 970' CGO, 60' OCM 780# / 718#						DST #1 (3206-3280) LKC B IF - WK TO 2.5" FF - WK TO 3.5" 180'M 596# / 312# DST #2 (3330-3412) LKC H-K IF - STRONG TO BOB 15M FF - STRONG TO BOB 10M FSI BOB - 43M 240'GIP, 130' SGO, 120' SGOCM 860# / 877#					

PROGNOSIS		
ANHYDRITE TOP	933	1064
HEEBNER SHALE	3143	-1146
LKC	3233	-1236
BKC	3443	-1446
ARBUCKLE	3483	-1486
RTD	3550	-1553

BB BUILT TO 1IN
2ND OPEN STRONG - BOB 2MIN
BB BUILT TO 3IN
156' CGO (O 75%, G 30%)
126' GMO (O 40%, M 40%, G 20%)
SIP: 640 - 636

DST #3 (3335 - 3452) LKC H-K
15-60-10
1ST OPEN WEAK - BUILT TO 1/2IN
NO BB
2ND OPEN DEAD
15'M
SIP: 936 - N/A

DST #3 (3300-3390)
IF FAIR TO BOB 3M, BOB BL BK
FF - BOB 1M, GTSD 55M
FSI BOB BL BK
1380' CO, 120'OCM
1113# / 1122#

DST #4 (3388-3422) ARBUCKLE
IF WK TO 7", WK BLO BK
FF - WK TO 10" - NO BLO BK
230' CO, 90'OCM
1101# / 1086#

DST #5(3423-3444) ARBUCKLE
IF GOOD TO BOB 2M, WK BLO BK
FF - GOOD TO BOB 3M, NO BLO BK
15' CO, 1500' WTR W/ TR OIL
60' WCM
1146# / 1142#

DST #3 (3416-3450) ARBUCKLE
IF - VERY WK SURFACE
FF - NO BLOW
4' DRILLING MUD
923# / 998#

DST #4 (3450-3458) ARBUCKLE
IF - WK BLOW TO 2"
FF - NO BLOW
5' DRILLING MUD
1307# / 1094#

ROCK TYPES

Congl
Dolprim
Lmst fw<7
shale, grn
shale, gry
Carbon Sh
shale, red

ACCESSORIES

FOSSIL
◠ Bioclastic or Fragmental
F Fossils < 20%

STRINGER
Chert
Shale
red shale

TEXTURE
C Chalky

OTHER SYMBOLS

MISC
Daily Report
Digital Photo
Document
Folder
Link
Vertical Log File
Horizontal Log File
Core Log File
Drill Cuttings Rpt

Oil Show
Good Show
Fair Show 50-75
Poor Show 25-50
Spotted or Trace 1-25
Questionable Stn
Dead Oil Stn
Fluorescence
Gas

DST
DST Int
DST alt

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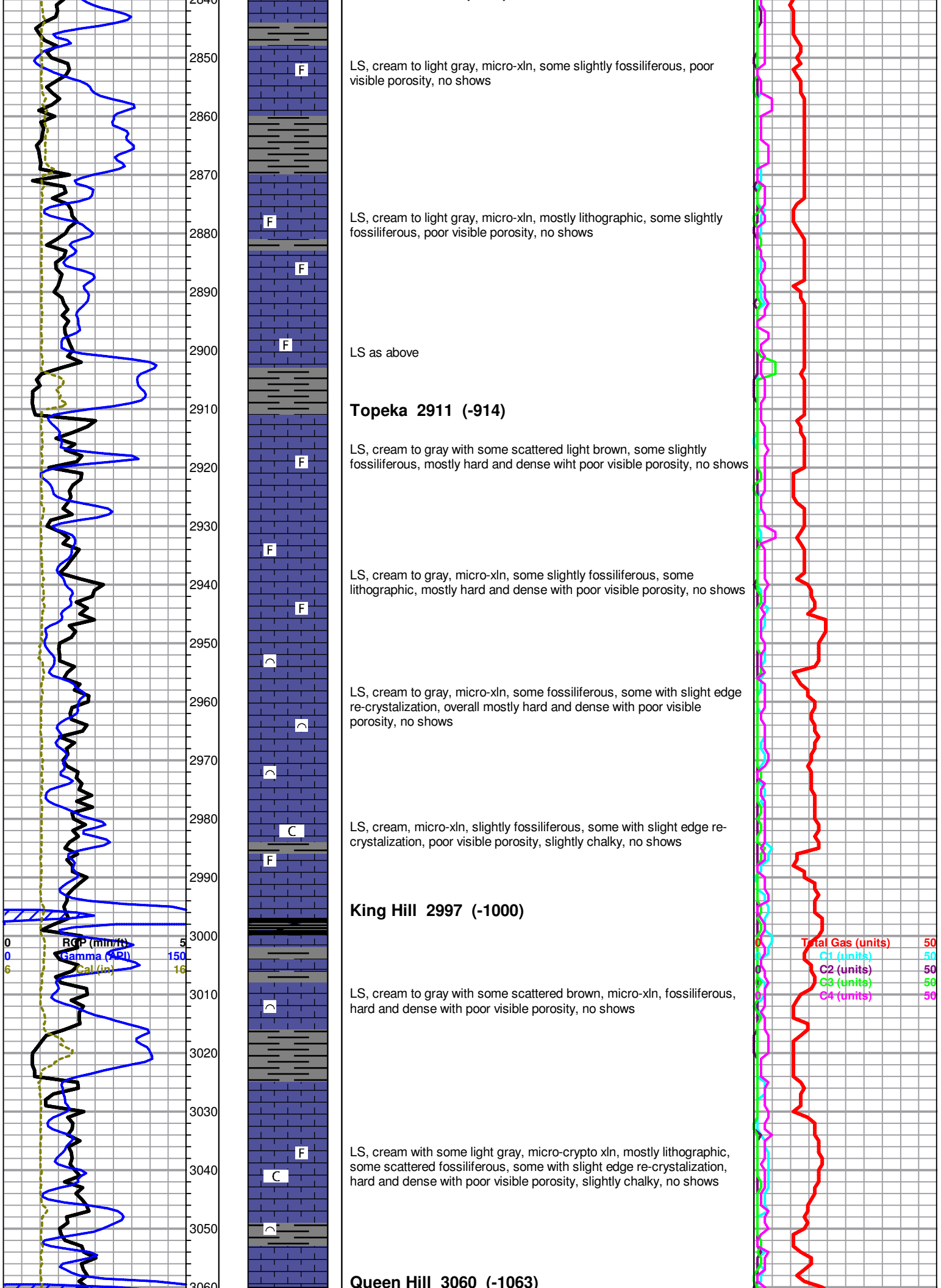
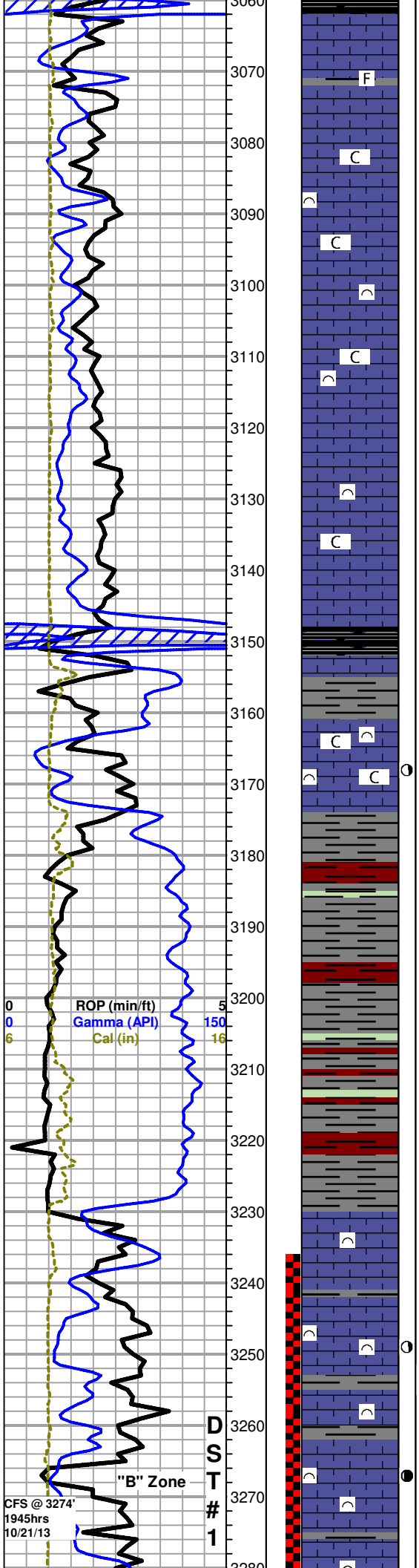

2850
2860
2870
2880
2890
2900
2910
2920
2930
2940
2950
2960
2970
2980
2990
3000
3010
3020
3030
3040
3050
3060
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 50
C1 (units) 50
C2 (units) 50
C3 (units) 50
C4 (units) 50
LS, cream to light gray, micro-xln, some slightly fossiliferous, poor visible porosity, no shows
LS, cream to light gray, micro-xln, mostly lithographic, some slightly fossiliferous, poor visible porosity, no shows
LS as above
Topeka 2911 (-914)
LS, cream to gray with some scattered light brown, some slightly fossiliferous, mostly hard and dense wiht poor visible porosity, no shows
LS, cream to gray, micro-xln, some slightly fossiliferous, some lithographic, mostly hard and dense with poor visible porosity, no shows
LS, cream to gray, micro-xln, some fossiliferous, some with slight edge re-crystalization, overall mostly hard and dense with poor visible porosity, no shows
LS, cream, micro-xln, slightly fossiliferous, some with slight edge re-crystalization, poor visible porosity, slightly chalky, no shows
King Hill 2997 (-1000)
LS, cream to gray with some scattered brown, micro-xln, fossiliferous, hard and dense with poor visible porosity, no shows
LS, cream with some light gray, micro-crypto xln, mostly lithographic, some scattered fossiliferous, some with slight edge re-crystalization, hard and dense with poor visible porosity, slightly chalky, no shows
Queen Hill 3060 (-1063)



LS, cream with some scattered gray and light brown, micro-xln, few chips crypto-xln, slightly fossiliferous, hard and dense with poor visible porosity, no shows

LS, cream with some gray, micro-xln, some scattered fossiliferous, poor visible porosity, slightly chalky

LS, cream with some scattered light gray, micro-xln with few chips crypto-xln, some fossiliferous, some lithographic, poor visible porosity, slightly chalky, no shows

as above

LS, cream with scattered gray and light brown, micro-xln, some fossiliferous, poor visible porosity, slightly chalky, no shows

LS as above, also with few chips cream, crypto-xln, lithographic, hard and dense with poor visible porosity, no shows

LS, cream to gray with some scattered light brown, micro-xln, some fossiliferous, some lightographic, poor visible porosity, slightly chalky, no shows

Heebner Shale 3148 (-1151)

Shale, black carbonaceous

LS, cream, micro-xln, fossiliferous, also with some cream, crypto-xln, lithographic, found one very small chip with few scattered vugs and wet, tarry black stain in vugs, overall sample mostly hard and dense with poor visible porosity, chalky, no odor

Douglas Shale 3174 (-1177)

Shale, gray and red with trace green, soft and waxy

Mixed shales as above

Brown Lime 3230 (-1233)

LS, brown with some scattered gray, fossiliferous, hard and dense with poor visible porosity, no shows

LKC 3240 (-1243)

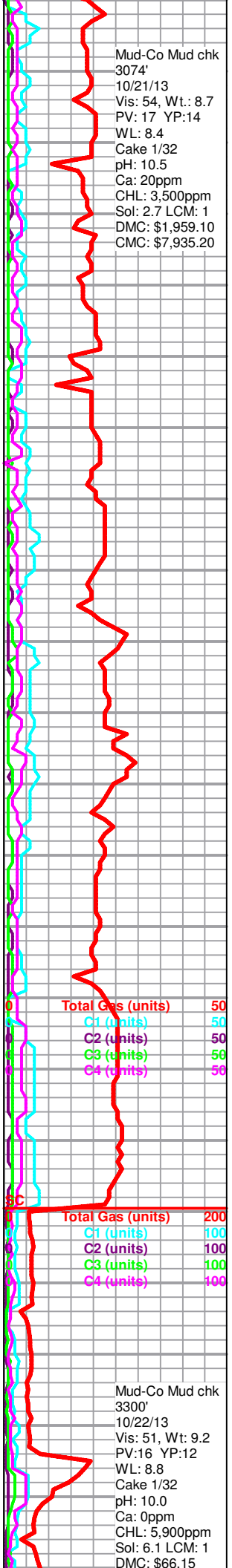
LS, cream with some scattered gray, micro-xln, some fossiliferous, some lithographic, few chips with few very small edge vugs with black stain in vugs, very slow cut, overall poor visible porosity, no odor

Nancy#2-17DST#1.jpg

LS, cream to gray, micro-xln, some fossiliferous, mostly hard and dense woth poor visible porosity, no shows or odor

LS, cream to gray, micro-xln, fossiliferous, mostly hard and dense with poor visible porosity, also with some oomoldic, micro-xln with fair visible porosity and scattered to mostly saturated light brown stain, instant cut with milky white fluorescence, few chips slowly bleed oil when left under lamp, SSFO in tray (very light brown droplets), fair odor in cup

LS, cream with some scattered gray, micro-xln, some fossiliferous, few chips



Mud-Co Mud chk
3074'
10/21/13
Vis: 54, Wt.: 8.7
PV: 17 YP:14
WL: 8.4
Cake 1/32
pH: 10.5
Ca: 20ppm
CHL: 3,500ppm
Sol: 2.7 LCM: 1
DMC: $1,959.10
CMC: $7,935.20

Mud-Co Mud chk
3300'
10/22/13
Vis: 51, Wt: 9.2
PV:16 YP:12
WL: 8.8
Cake 1/32
pH: 10.0
Ca: 0ppm
CHL: 5,900ppm
Sol: 6.1 LCM: 1
DMC: $66.15

CFS @ 3300'
2205hrs
10/21/13

DST #2

"G" Porosity

CFS @ 3321'
1810hrs
10/22/13

Muncie Creek

"H" Zone

CFS @ 3380'
1000hrs
10/23/13

DST #3

0 ROP (min/ft)
0 Gamma (API)
6 Cal (in)

Stark Shale

CFS @ 3455'
1445hrs
10/23/13

DST #4

slight bit bounce ~ 3482'

CFS @ 3485'
0430hrs
10/24/13

3280
3290
3300
3310
3320
3330
3340
3350
3360
3370
3380
3390
3400
3410
3420
3430
3440
3450
3460
3470
3480
3490
3500

oolitic to sub-oomoldic with very scattered brown stain in some oomolds, very slow cut, poor visible porosity, no odor

LS, cream to gray, micro-xln, fossiliferous, mostly dense with poor visible porosity, few chips with very slightly vuggy edges and light golden brown edge stain, very slow cut, found one chip with good visible pinpoint porosity and mostly saturated brown stain, instant streaming cut, NSFO in tray, poor odor in cup

LS, cream, micro-xln, sub-oomoldic to oomoldic, some with scattered light golden brown stain, upon break chips show poor to fair visible porosity and few with slight show free oil and gas bubbles, slow streaming cut with milky white fluorescence, fair show free oil in tray, fair odor in cup

Nancy#2-17DST#2.jpg

LS, cream, micro-xln, sub-oomoldic to oomoldic with poor to fair visible porosity, some chips have scattered very light golden brown stain, upon break chips show brown stain and fair show free oil and gas bubbles bleeding from porosity, fair show free oil in tray, fair odor in cup

LS, cream, micro-xln, sub-oolitic to sub-oomoldic, barren, poor visible porosity, slightly chalky, no shows or odor

LS, cream to gray, micro-xln, mostly lithographic, hard and dense with poor visible porosity, no shows or odor

LS, gray to cream, micro-xln, mostly lithographic, hard and dense with poor visible porosity, no shows or odor

LS as above, slightly chalky, no shows or odor

LS, cream to gray, micro-xln, some slightly fossiliferous, some oomoldic with scattered to mostly saturated black stain, upon break chips show fair visible inter-xln porostiy and increased odor, slow streaming cut with milky to bright white fluorescence, also with few chips cream, micro-xln, oomoldic with scattered black stain in oomolds and scattered light golden brown stain in matrix, NSFO, poor odor in cup

LS, cream to gray, micro-xln, some scattered slightly fossilifeorus, mostly barren, few chips oomoldic with scattered black stain and fair show gas bubbles coming from porosity, NSFO, poor odor in cup

LS, cream, micro-xln, mostly soft and chalky, some hard and dense, some chips have scattered small vugs with scattered black gilsonitic stain in vugs, slightly chalky, overall poor visible porosity, poor odor

LS, cream to gray, micro-xln, mostly lithographic, few chips slightly fossiliferous, hard and dense with poor visible porosity, no shows or odor

Nancy#2-17DST#3.jpg

LS, cream with some scattered gray, micro-xln, mostly hard and dense, some soft and chalky, slightly chalky sample, no shows or odor

LS, cream, micro-xln, mostly soft and chalky, some hard and dense, few chips with very scattered pinpoint porosity and few very small vugs with scattered to very scattered brown to black stain, very slow cut with milky white fluorescence, poor odor in cup

LS, cream, micro-xln, some soft and chalky, some hard and dense, some with very scattered light golden brown stain and poor visible porosity, few chips with scattered to mostly saturated brown stain, upon break chips show poor to fair inter-xln porosity, slow cut with bright white fluorescence, fair odor in cup

BKC 3450 (-1453)

LS, cream, micro-xln, mostly hard and dense with poor visible porosity, few very small chips with scattered pinpoint porosity and slightly vuggy edges with scattered brown stain, very slow weak cut with dull fluorescence, slightly chalky, also with trace orange to transluscent chert and slight influx of gray and red shale, fair odor in cup

Mixed cream to gray LS, red and gray shales and orange to transluscnet and white cherts, sample washes red, no shows

Arbuckle 3473 (-1476)

Nancy#2-17DST#4.jpg

3485' 30" Mixed LS, shales, and cherts, also with some dolomite, cream, micro-xln, hard and dense with poor visible porosity, barren, also with some white to light brown, micro-xln, sucrosic, some with very scattered brown to black gilsonitic stain, friable, upon break some chips show scattered inter-xln brown stain and slight show free oil, sample washes red, fair odor in cup

3485' 60" Mixed LS, shales, and cherts as above, also with some dolomite, white to cream, micro-xln, hard and dense with poor visible porosity and

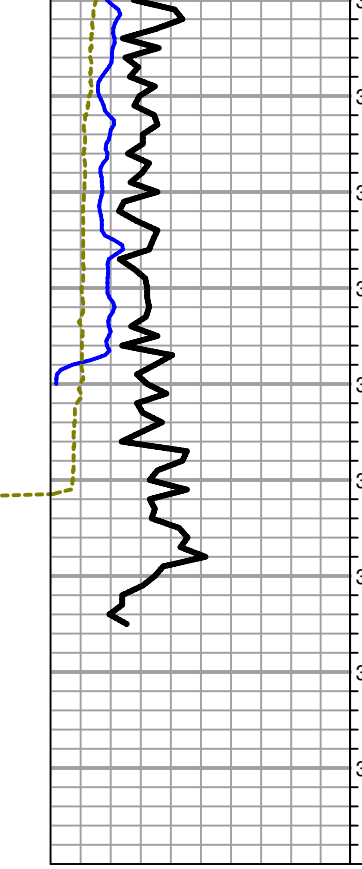
CMC: $8,001.35

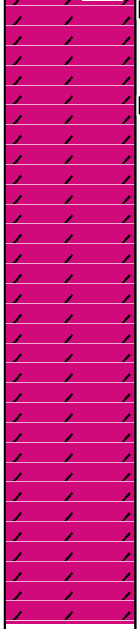
Survey @ 3300'
1/2 Degree

Total Gas (units) 250
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

Mud-Co Mud chk
3300'
10/23/13
Vis: 50, Wt.: 8.7
PV:14 YP:12
WL: 8.8
Cake 1/32
pH: 10.5
Ca: 0ppm
CHL: 6,700ppm
Sol: 2.5 LCM: 1
DMC: $1,439.35
CMC: $9,440.70

Mud-Co Mud chk
3485'
10/24/13
Vis: 65 Wt.: 9.1
PV:15 YP:15
WL: 8.0
Cake 1/32
pH: 9.5
Ca: 20ppm





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white to cream, micro-xln, hard and dense with poor visible porosity and scattered black gilsonitic stain, few chips cream to light brown, sucrosic, fair rhombic development, fair to good visible porosity with scattered to mostly saturated wet black stain, upon break chips have slight to fair show free oil (black droplets), instant streamin cut with milky white fluorescence, slight red wash, SSFO, fair odor in cup

3490' Dolomite, white to light brown, micro-xln, mostly sucrosic, some sub-sucrosic, mostly barren, few chips with very scattered black gilsonitic stain, also with shales and cherts as above, poor odor

3500' Dolomite, cream to white, sub-sucrosic to sucrosic, mostly hard and dense with poor visible porosity, some soft and friable, some with very scattered black gilsonitic stain, also with few chips light brown, sucrosic, with very scattered brown stain, friable, upon break chips show spotted brown inter-xln stain, slightly chalky, samples clenaing up with shales and cherts mostly dropping out, poor odor

3510' Dolomite, cream to white as above, with light brown dropping out, very scattered black gilsonitic stain, found one chip white, micro-xln, sub-sucrosic with slightly vuggy edges and wet, tarry black stain in vugs, poor odor

3520' Dolomite, cream to white, micro-xln, few chips med-xln, some hard and dense, barren, some sub-sucrosic to sucrosic with very scattered black gilsonitic stain, few chips with pyrite inclusions, poor odor

3530' - 3565' Dolomite, cream to white, micro-xln, mostly hard and dense with poor visible porosity,some sub-sucrosic, barren, few chips with pyrite inclusions, also trace white chert and pyrite, poor odor

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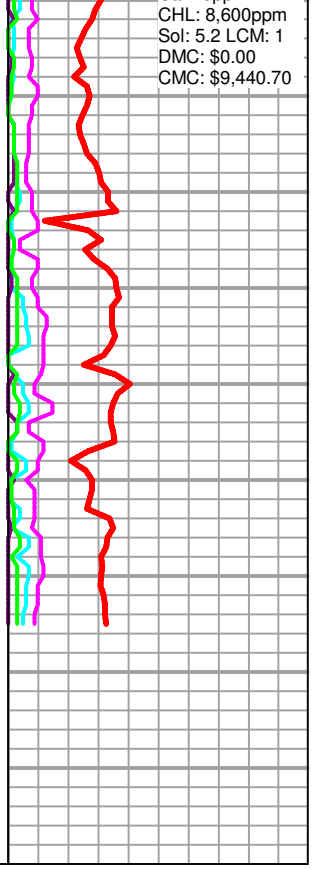
Rotary TD 3565' @ 1730hrs 10/24/13
Nabors Well Services Logging TD @ 3566'
Complete Logging Operations @ 0015hrs 10/25/13
Geologist Jeremy Schwartz off location @ 0045hrs 10/25/13



CHL: 8,600ppm
Sol: 5.2 LCM: 1
DMC: $0.00
CMC: $9,440.70

Nancy#2-17DST#1.jpg

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18506 **DST#: 1**

Test Start: 2013.10.22 @ 04:04:00

GENERAL INFORMATION:

Formation: **LKC "A-D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:43:00
Time Test Ended: 13:33:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3236.00 ft (KB) To 3300.00 ft (KB) (TVD)
Total Depth: 3300.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

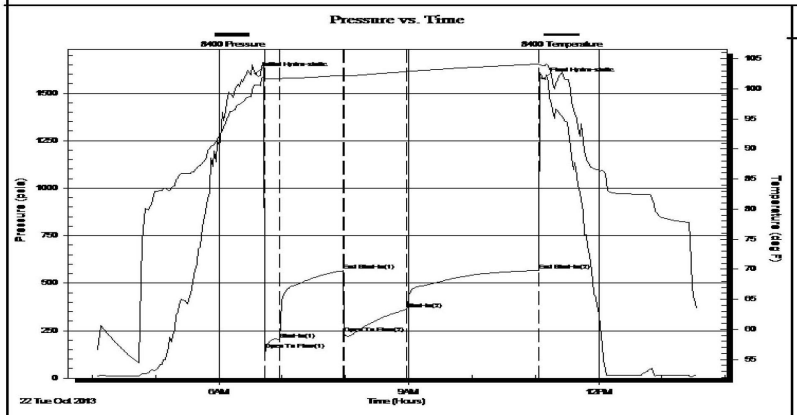
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8400 **Inside**

Press@RunDepth: 362.65 psia @ 3296.40 ft (KB)
Start Date: 2013.10.22 End Date: 2013.10.22
Start Time: 04:04:00 End Time: 13:33:30

Capacity: 5000.00 psia
Last Calib.: 2013.10.22
Time On Btm: 2013.10.22 @ 06:34:30
Time Off Btm: 2013.10.22 @ 11:07:00

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 3 minutes and 45 seconds.
1st Shut In/ 60 Minutes. Blow back built to 6 inches in 5 gallon bucket.
2nd Open/ 60 Minutes. Good blow built to bottom of 5 gallon bucket in 5 minutes. Gas to surface in 45 minutes.
2nd Shut In/ 120 Minutes. Blow back built to bottom of 5 gallon bucket in 6 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1602.38	100.58	Initial Hydro-static
9	149.36	101.70	Open To Flow (1)
23	204.51	101.63	Shut-In(1)
83	565.64	102.23	End Shut-In(1)
85	235.55	102.12	Open To Flow (2)
144	362.65	102.84	Shut-In(2)
269	566.75	104.10	End Shut-In(2)
273	1576.59	103.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
864.00	30% gas, 70% clean oil.	9.65
0.00	Oil gravity corrected was 41.	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.50	1.68
Last Gas Rate	0.13	8.25	3.09

Nancy#2-17DST#2.jpg

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18507 **DST#: 2**

Test Start: 2013.10.22 @ 20:50:00

GENERAL INFORMATION:

Formation: **LKC "F-G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:38:30
Time Test Ended: 04:51:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3297.00 ft (KB) To 3321.00 ft (KB) (TVD)
Total Depth: 3321.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

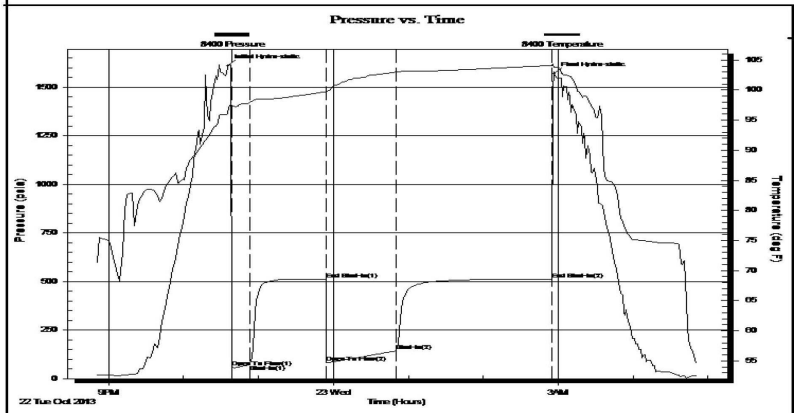
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8400 **Inside**

Press@RunDepth: 142.30 psia @ 3317.00 ft (KB)
Start Date: 2013.10.22 End Date: 2013.10.23
Start Time: 20:50:00 End Time: 04:51:30

Capacity: 5000.00 psia
Last Calib.: 2013.10.23
Time On Btm: 2013.10.22 @ 22:35:30
Time Off Btm: 2013.10.23 @ 02:57:00

TEST COMMENT:
1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 9 minutes.
1st Shut In/ 60 Minutes. No blow back.
2nd Open/ 60 Minutes. Good blow built to bottom of 5 gallon bucket in 10 minutes 30 seconds.
2nd Shut In/ 120 Minutes. No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1609.68	96.02	Initial Hydro-static
3	57.77	97.32	Open To Flow (1)
18	71.64	97.96	Shut-In(1)
79	512.61	99.71	End Shut-In(1)
79	83.65	99.57	Open To Flow (2)
135	142.30	103.03	Shut-In(2)
260	510.83	104.10	End Shut-In(2)
262	1569.59	103.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	630 feet 100% gas.	0.00
437.00	100% clean gassy oil	3.66
63.00	5% Oil, 5% mud, 90% water.	0.88
0.00	Chloride recov. 29000 ppm	0.00
0.00	Resist recov. .22 at 40%	0.00
0.00	Oil gravity corrected was 41.	0.00

Gas Rates

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

Nancy#2-17DST#3.jpg

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18508 **DST#: 3**

Test Start: 2013.10.23 @ 17:25:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:13:30
Time Test Ended: 00:27:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

Interval: 3355.00 ft (KB) To 3455.00 ft (KB) (TVD)
Total Depth: 3455.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

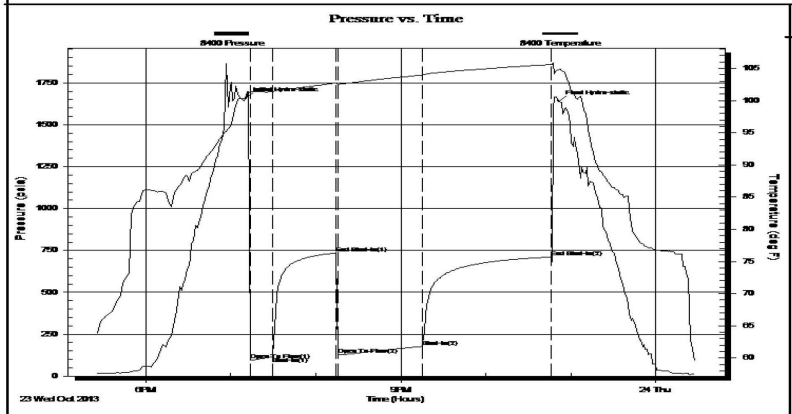
Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8400 **Inside**

Press@RunDepth: 176.90 psia @ 3449.50 ft (KB)
Start Date: 2013.10.23 End Date: 2013.10.24
Start Time: 17:25:00 End Time: 00:27:30

Capacity: 5000.00 psia
Last Calib.: 2013.10.24
Time On Btm: 2013.10.23 @ 19:10:30
Time Off Btm: 2013.10.23 @ 22:51:30

TEST COMMENT:
1st Open/ 15 Minutes. Fair blow built to 2 1/ inches in 5 gallon bucket.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 60 Minutes. Fair blow built to 5 inches in 5 gallon bucket.
2nd Shut In/ 90 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1654.84	100.24	Initial Hydro-static
3	93.82	101.11	Open To Flow (1)
19	114.72	101.36	Shut-In(1)
65	734.54	102.72	End Shut-In(1)
65	126.23	102.53	Open To Flow (2)
125	176.90	103.96	Shut-In(2)
216	711.30	105.61	End Shut-In(2)
221	1639.35	104.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
97.00	100% mud	0.48

Gas Rates

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

Nancy#2-17DST#4.jpg

DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

17/17s/13w/Barton

Nancy #2-17

Job Ticket: 18509 **DST#: 4**

Test Start: 2013.10.24 @ 07:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:20:00
Time Test Ended: 12:10:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend

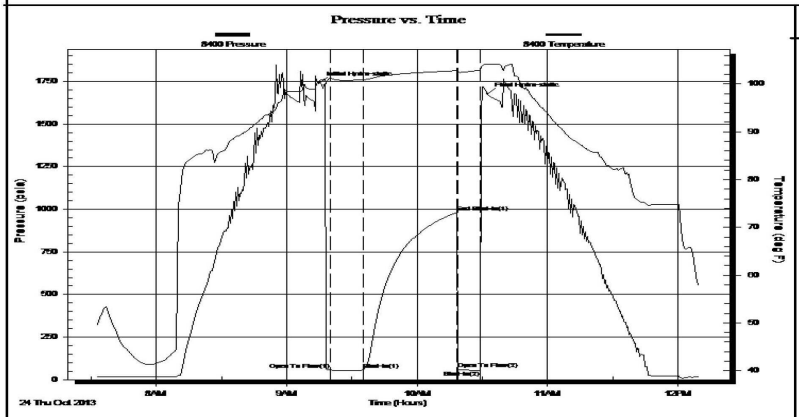
Interval: 3449.00 ft (KB) To 3485.00 ft (KB) (TVD)
Total Depth: 3485.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1997.00 ft (KB)
1984.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8400 **Inside**
Press@RunDepth: 58.82 psia @ 3481.00 ft (KB)
Start Date: 2013.10.24 End Date: 2013.10.24
Start Time: 07:32:00 End Time: 12:10:00

Capacity: 5000.00 psia
Last Calib.: 2013.10.24
Time On Btm: 2013.10.24 @ 09:15:00
Time Off Btm: 2013.10.24 @ 10:32:30

TEST COMMENT: 1st Open/ 15 Minutes. Weak surface blow .
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 20 Minutes. No blow , flushed tool and gained no blow , pulled test per Geo.
2nd Shut In/ N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1740.84	100.71	Initial Hydro-static
5	57.09	101.25	Open To Flow (1)
20	58.82	100.93	Shut-In(1)
64	981.62	102.81	End Shut-In(1)
64	61.72	102.47	Open To Flow (2)
74	52.61	102.93	Shut-In(2)
78	1677.75	104.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

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