



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1102362

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

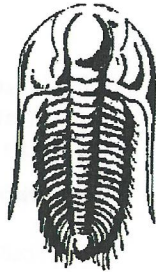
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	DK Operating Inc.
Well Name	Dink 2
Doc ID	1102362

Tops

Name	Top	Datum
Anhydrite	1450	
Base	1475	
Heebner	3749	
Lansing	3801	
Stark	4043	
BKc	4146	
Pawnee	4234	
Fort scott	4306	
Cherokee	4331	
Mississippian	4378	
Osage	4390	
RTD	4397	



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **DK Operating, Inc.**

24583 NW 208 Rd.  
Jetmore, KS 67854

ATTN: Jason Alm

**Dink #2**

**17-21s-22w Hodgeman,KS**

Start Date: 2012.09.13 @ 22:37:30

End Date: 2012.09.14 @ 06:45:00

Job Ticket #: 47927                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.09.18 @ 13:56:20

DK Operating, Inc. 17-21s-22w Hodgeman,KS Dink #2 DST # 1 Fort Scott 2012.09.13





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

DK Operating, Inc.

17-21s-22w Hodgeman, KS

24583 NW 208 Rd.  
Jetmore, KS 67854

**Dink #2**

Job Ticket: 47927

DST#: 1

ATTN: Jason Alm

Test Start: 2012.09.13 @ 22:37:30

### GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:37:00

Time Test Ended: 06:45:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: **4290.00 ft (KB) To 4345.00 ft (KB) (TVD)**

Total Depth: 4345.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2285.00 ft (KB)

2275.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8354** Inside

Press@RunDepth: 44.75 psig @ 4330.00 ft (KB)

Start Date: 2012.09.13

End Date: 2012.09.14

Start Time: 22:47:30

End Time: 06:45:00

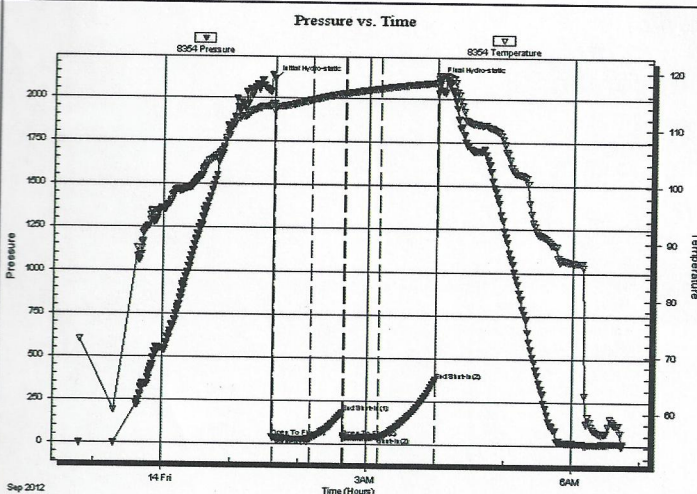
Capacity: 8000.00 psig

Last Calib.: 2012.09.14

Time On Btm: 2012.09.14 @ 01:36:30

Time Off Btm: 2012.09.14 @ 04:01:30

TEST COMMENT: IF-Weak building blow . Built to 5 inches.  
ISI-No Return.  
FF-Weak building blow . BOB in 27 minutes.  
FSI-No Return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.83	114.40	Initial Hydro-static
1	40.38	113.31	Open To Flow (1)
34	32.68	115.18	Shut-In(1)
63	186.42	116.30	End Shut-In(1)
64	39.15	116.30	Open To Flow (2)
94	44.75	117.20	Shut-In(2)
143	374.47	118.28	End Shut-In(2)
145	2101.89	119.44	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	50% Gas/10% Oil/40% Mud	0.05
30.00	5% Oil/95% Mud	0.15
0.00	268' G.I.P.	0.00

### Gas Rates

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







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

DK Operating, Inc.

17-21s-22w Hodgeman, KS

24583 NW 208 Rd.  
Jetmore, KS 67854

Dink #2

Job Ticket: 47927

DST#: 1

ATTN: Jason Alm

Test Start: 2012.09.13 @ 22:37:30

### Tool Information

Drill Pipe:	Length: 4161.00 ft	Diameter: 3.80 inches	Volume: 58.37 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 5000.00 lb
			<b>Total Volume: 58.97 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4290.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	83.00 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			4263.00	
Shut In Tool	5.00			4268.00	
Hydraulic tool	5.00			4273.00	
Jars	5.00			4278.00	
Safety Joint	3.00			4281.00	
Packer	5.00			4286.00	28.00 Bottom Of Top Packer
Packer	4.00			4290.00	
Stubb	1.00			4291.00	
Perforations	5.00			4296.00	
Change Over Sub	1.00			4297.00	
Drill Pipe	32.00			4329.00	
Change Over Sub	1.00			4330.00	
Recorder	0.00	8354	Inside	4330.00	
Recorder	0.00	8520	Outside	4330.00	
Perforations	12.00			4342.00	
Bullnose	3.00			4345.00	55.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>83.00</b>				





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

DK Operating, Inc.  
24583 NW 208 Rd.  
Jetmore, KS 67854  
ATTN: Jason Alm

**17-21s-22w Hodgeman,KS**  
**Dink #2**  
Job Ticket: 47927      **DST#: 1**  
Test Start: 2012.09.13 @ 22:37:30

**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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: inches			

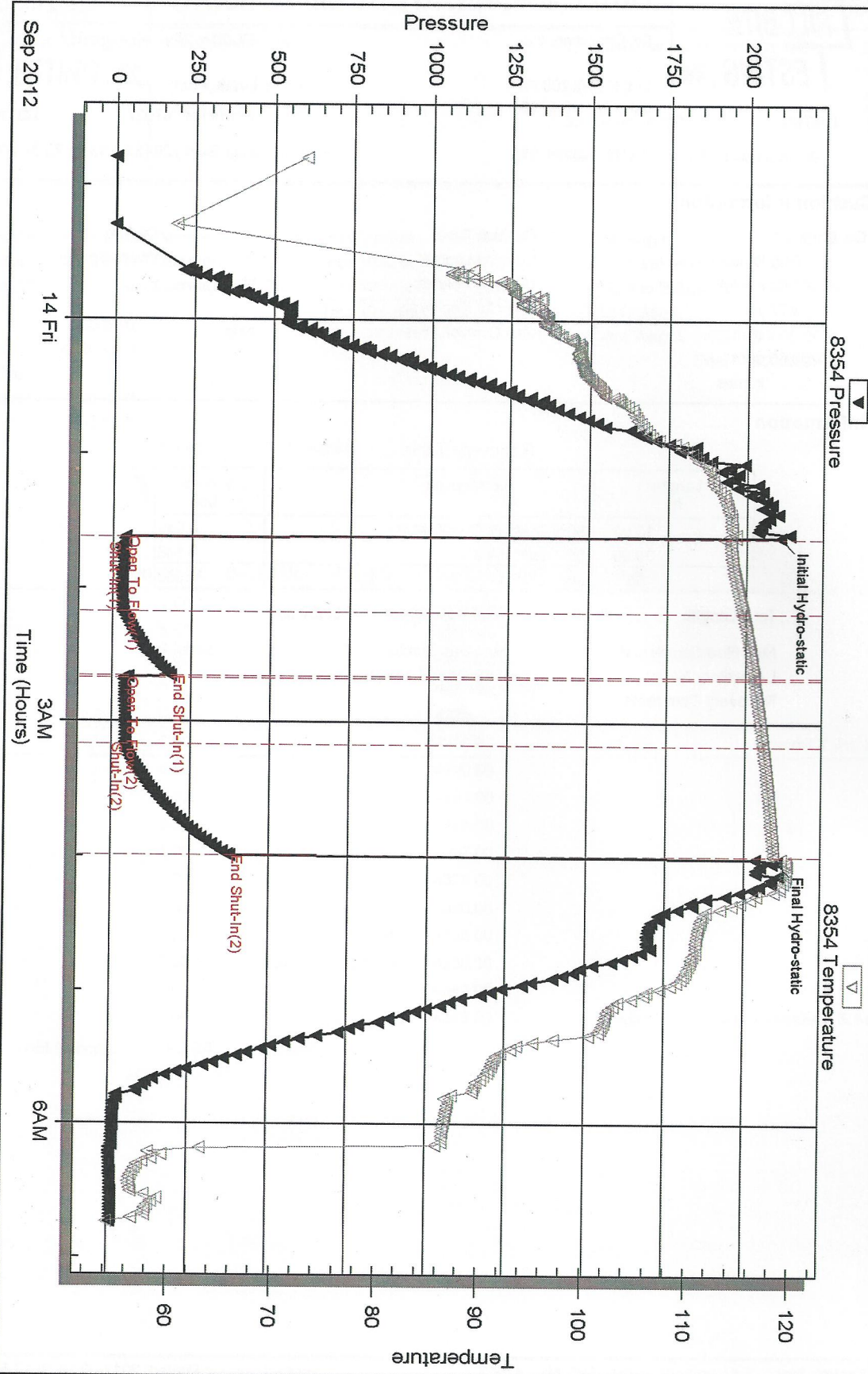
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	50%Gas/10%Oil/40%Mud	0.049
30.00	5%Oil/95%Mud	0.148
0.00	268' G.I.P.	0.000

Total Length: 40.00 ft      Total Volume: 0.197 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time



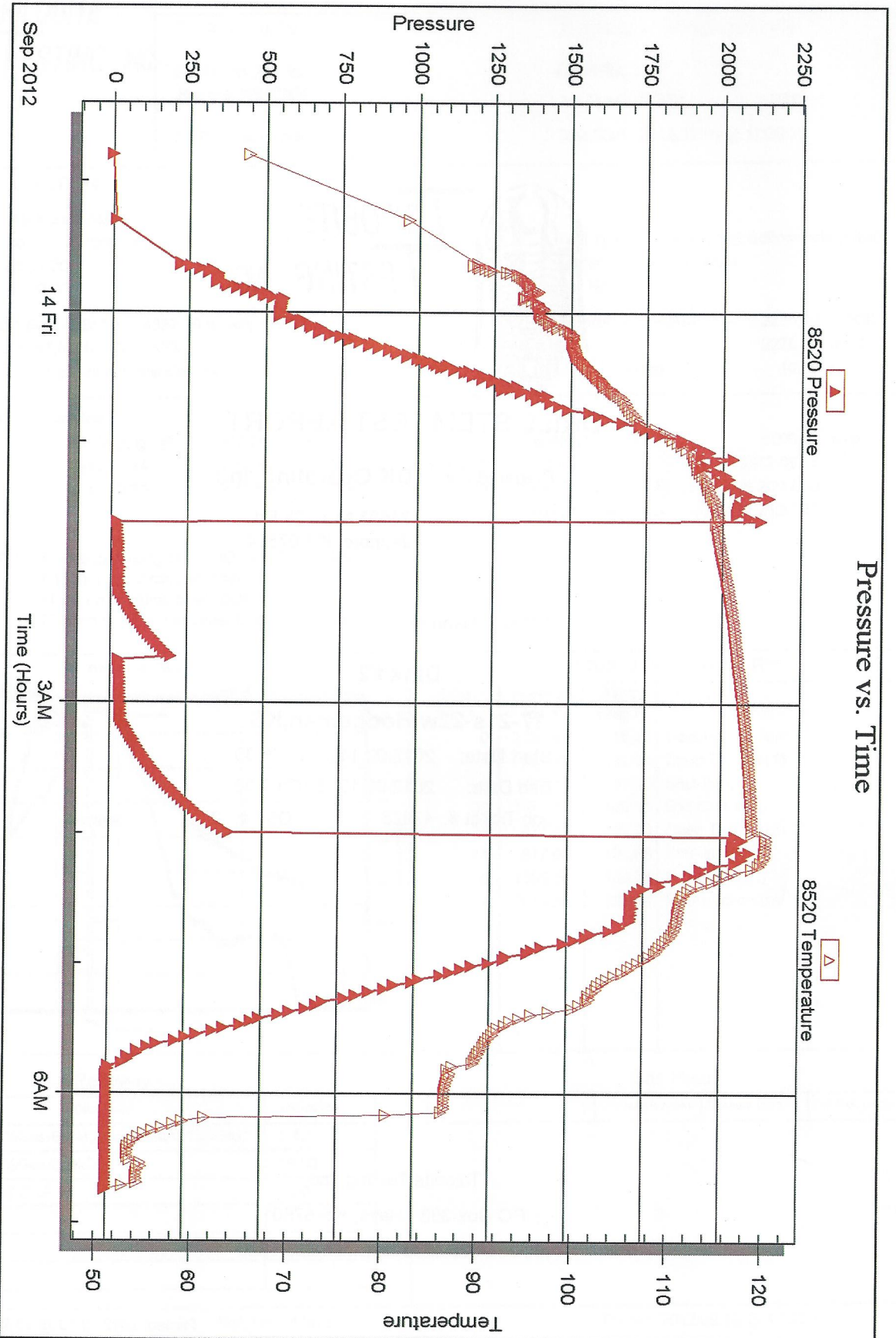


Serial #: 8520

Outside DK Operating, Inc.

Dnk #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 47927

Printed: 2012.09.18 @ 13:56:25

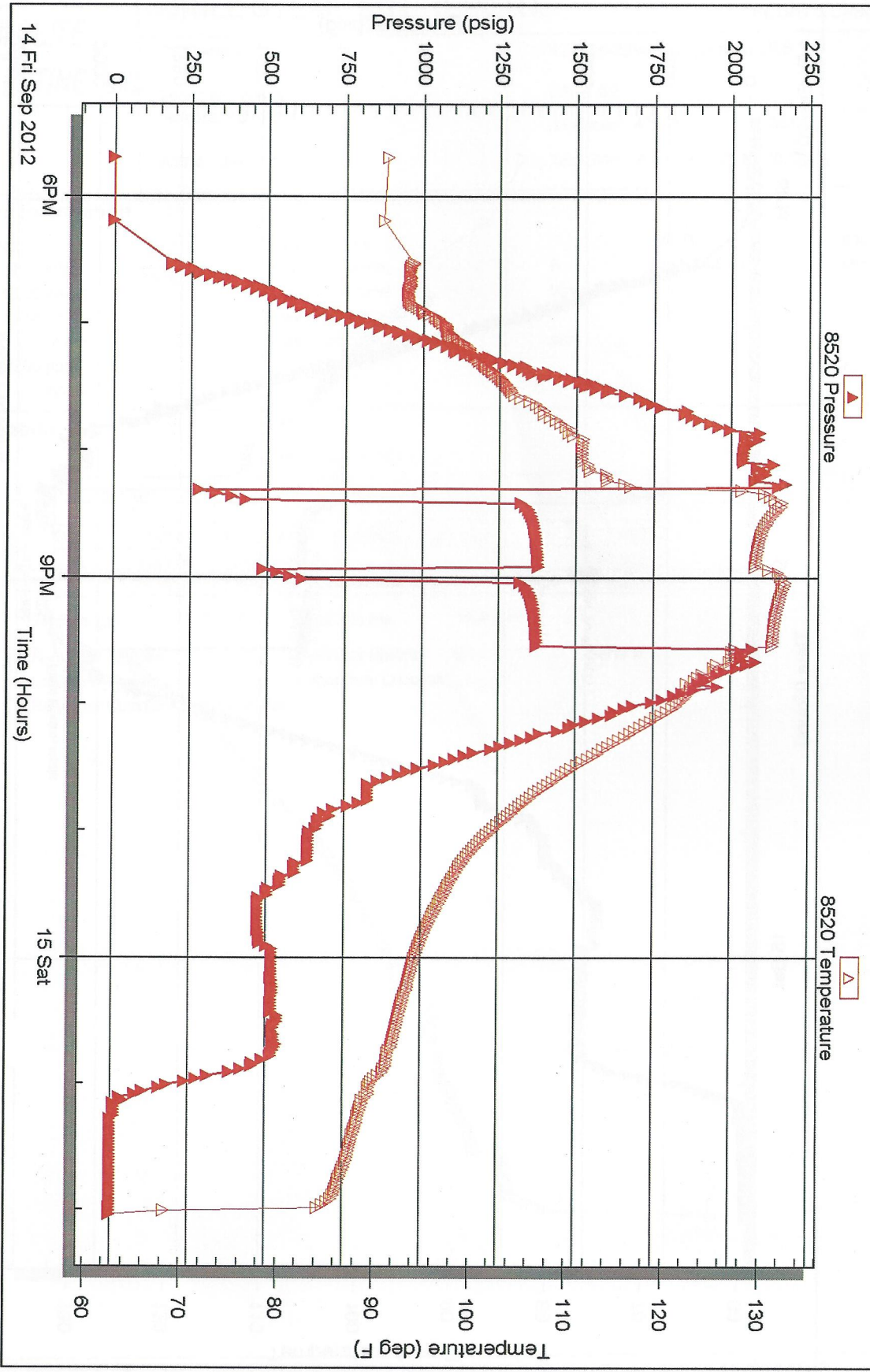
Serial #: 8520

Outside DK Operating, Inc.

Dnk #2

DST Test Number: 2

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 47928

Printed: 2012.09.18 @ 13:55:35









**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

DK Operating, Inc.

17-21s-22w Hodgeman, KS

24583 NW 208 Rd.  
Jetmore, KS 67854

Dink #2

Job Ticket: 47928

DST#: 2

ATTN: Jason Alm

Test Start: 2012.09.14 @ 17:30:30

### 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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 13.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	10%Gas/60%Oil/15%Water/15%Mud	1.423
1143.00	40%Gas/60%Oil	16.033
0.00	126' G.I.P.	0.000

Total Length: 1323.00 ft      Total Volume: 17.456 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Dropped Bar.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

DK Operating, Inc.

**17-21s-22w Hodgeman, KS**

24583 NW 208 Rd.  
Jetmore, KS 67854

**Dink #2**

Job Ticket: 47928

**DST#: 2**

ATTN: Jason Alm

Test Start: 2012.09.14 @ 17:30:30

### Tool Information

Drill Pipe:	Length: 4257.00 ft	Diameter: 3.80 inches	Volume: 59.71 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 60.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4391.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4364.00	
Shut In Tool	5.00			4369.00	
Hydraulic tool	5.00			4374.00	
Jars	5.00			4379.00	
Safety Joint	3.00			4382.00	
Packer	5.00			4387.00	28.00 Bottom Of Top Packer
Packer	4.00			4391.00	
Stubb	1.00			4392.00	
Perforations	1.00			4393.00	
Recorder	0.00	8354	Inside	4393.00	
Recorder	0.00	8520	Outside	4393.00	
Perforations	1.00			4394.00	
Bullnose	3.00			4397.00	6.00 Bottom Packers & Anchor

**Total Tool Length: 34.00**







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

DK Operating, Inc.

17-21s-22w Hodgeman, KS

24583 NW 208 Rd.  
Jetmore, KS 67854

**Dink #2**

Job Ticket: 47928

DST#: 2

ATTN: Jason Alm

Test Start: 2012.09.14 @ 17:30:30

### GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:17:30

Time Test Ended: 02:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: **4391.00 ft (KB) To 4397.00 ft (KB) (TVD)**

Total Depth: 4397.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2285.00 ft (KB)

2275.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8520** Outside

Press@RunDepth: psig @ 4393.00 ft (KB)

Start Date: 2012.09.14

End Date:

2012.09.15

Capacity: 8000.00 psig

Last Calib.:

2012.09.15

Start Time: 17:41:30

End Time:

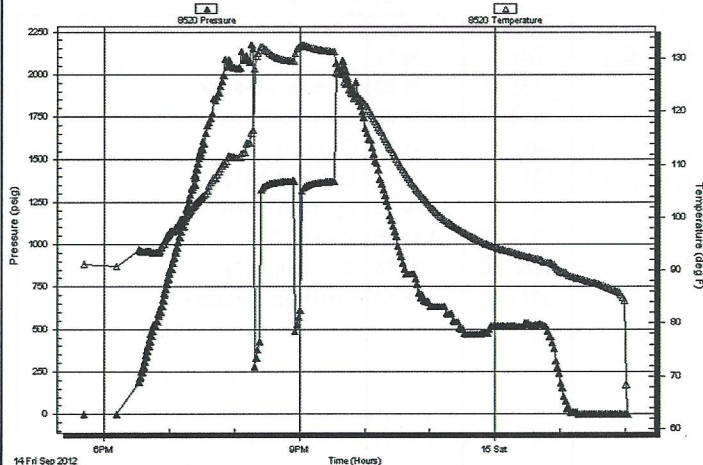
02:03:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB in 30 seconds.  
ISI-Return @ 2 minutes. Built to 6 inches.  
FF-Strong building blow . BOB in 1 minute.  
FSI-Return @ 30 seconds. Built to 3 inches.

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	10%Gas/60%Oil/15%Water/15%Mud	1.42
1143.00	40%Gas/60%Oil	16.03
0.00	126' G.I.P.	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

DK Operating, Inc.  
24583 NW 208 Rd.  
Jetmore, KS 67854  
ATTN: Jason Alm

**17-21s-22w Hodgeman, KS**

**Dink #2**

Job Ticket: 47928

**DST#: 2**

Test Start: 2012.09.14 @ 17:30:30

### GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 20:17:30  
Time Test Ended: 02:03:30

Test Type: Conventional Bottom Hole (Initial)  
Tester: Dustin Rash  
Unit No: 38

Interval: **4391.00 ft (KB) To 4397.00 ft (KB) (TVD)**  
Total Depth: 4397.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2285.00 ft (KB)  
2275.00 ft (CF)  
KB to GR/CF: 10.00 ft

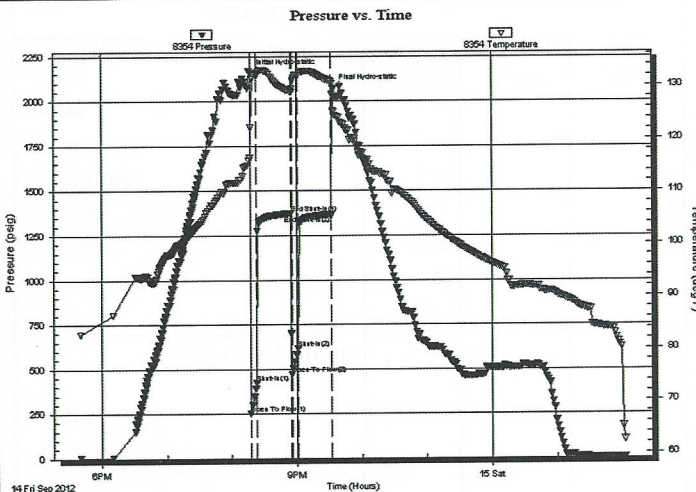
**Serial #: 8354**

**Inside**

Press@RunDepth: 617.08 psig @ 4393.00 ft (KB)  
Start Date: 2012.09.14 End Date: 2012.09.15  
Start Time: 17:40:30 End Time: 02:03:30

Capacity: 8000.00 psig  
Last Calib.: 2012.09.15  
Time On Btm: 2012.09.14 @ 20:17:00  
Time Off Btm: 2012.09.14 @ 21:33:30

TEST COMMENT: IF-Strong building blow . BOB in 30 seconds.  
ISI-Return @ 2 minutes. Built to 6 inches.  
FF-Strong building blow . BOB in 1 minute.  
FSI-Return @ 30 seconds. Built to 3 inches.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.65	116.23	Initial Hydro-static
1	251.47	122.01	Open To Flow (1)
6	422.13	131.90	Shut-In(1)
38	1371.67	128.91	End Shut-In(1)
39	471.75	129.36	Open To Flow (2)
44	617.08	131.88	Shut-In(2)
75	1365.36	130.74	End Shut-In(2)
77	2071.39	125.14	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	10%Gas/60%Oil/15%Water/15%Mud	1.42
1143.00	40%Gas/60%Oil	16.03
0.00	126' G.I.P.	0.00

### Gas Rates

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





# SWIFT Services, Inc.

WELL NO.            LEASE DINK 2-17 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 23405

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							ON LOCATION
	1130							START PIPE 5 1/2-17# RTD @ 4397 SHOEST. 44.08' CENTRALIZERS 1,2,3,6,7 BASKETS 6,5,6,6 PORT COLLAR TOP of #6,6 @ 1489
	1325							DROP BALL CIRCULATE
	1427	6	12			300		Pump 500 gal MWD FLUSH
		6	20			300		Pump 20 Bbl KCL FLUSH
	1432		7,5					PLUG RH-MH (30sx-20sx)
	1435	6	30					MIX 125 sx EA2
	1446							WASH OUT Pump & LINES.
	1448	7						START DISPLACING PLUG
	1503	Ø	101					PLUG DOWN PSI up LATCH PLUG IN
	1508							RELEASE PSI - DRY
	1530							JOB COMPLETE
								THANKS #110
								JASON JEFF DONG



## Formation Tops

Formation	DK Operating, Inc. Dink #2 Sec. 17 T21s R22w 2570' FSL & 335' FEL
Anhydrite	1450', +835
Base	1475', +810
Heebner	3749', -1464
Lansing	3801', -1516
Stark	4043', -1758
BKc	4146', -1861
Pawnee	4234', -1949
Fort Scott	4306', -2021
Cherokee	4331', -2046
Mississippian	4378', -2093
Osage	4390', -2105
RTD	4397', -2112

## Sample Zone Descriptions

- Fort Scott** (4306', -2021): **Covered in DST #1**  
 Ls – Fine crystalline with poor to fair inter-crystalline porosity, light spotted oil stain in porosity, slight show of free oil when broken, light odor, 20 units hotwire.
- Miss. Osage** (4390', -2105): **Covered in DST #2**  
 Δ – Dolo – Fine sucrosic crystalline with good inter-crystalline and vuggy porosity, very heavy triptolic chert with good scattered vuggy porosity, light to heavy oil stain in porosity, good show of free oil, good odor, bright yellow fluorescents, 45 units hotwire.