



KANSAS CORPORATION COMMISSION 1102362  
OIL & GAS CONSERVATION DIVISION

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 # 32331  
Name: DK Operating Inc.  
Address 1: 24583 NW 208 RD  
Address 2: \_\_\_\_\_  
City: JETMORE State: KS Zip: 67854 + 5311  
Contact Person: Daniel L King  
Phone: ( 620 ) 357-6152  
CONTRACTOR: License # 5123  
Name: Pickrell Drilling Company, Inc.  
Wellsite Geologist: Jason T Alm  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW  
 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 #: \_\_\_\_\_

<u>09/07/2012</u>	<u>09/15/2012</u>	<u>10/01/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-083-21840-00-00

Spot Description: \_\_\_\_\_  
NW NE NE SE Sec. 17 Twp. 21 S. R. 22  East  West  
2570 Feet from  North /  South Line of Section  
335 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Hodgeman  
Lease Name: Dink Well #: 2

Field Name: Wieland North

Producing Formation: Mississippian

Elevation: Ground: 2272 Kelly Bushing: 2285

Total Depth: 4397 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 219 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1485 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: 14200 ppm Fluid volume: 700 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garriso Date: 11/30/2012



1102362

Operator Name: DK Operating Inc. Lease Name: Dink Well #: 2  
 Sec. 17 Twp. 21 S. R. 22  East  West County: Hodgeman

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" 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 Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface Casing	12.25	8.62	24	219	Class A	150	2% gel 3%cc
Production	7.875	5.5000	17	4396	EA -2	125	1/4#fioseal/sx

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
4	4395.5 - 4399.5		
4	4393.5 - 4397.5		
4	4390.5 - 4395.5		

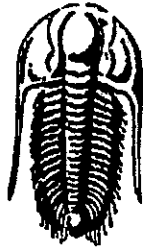
TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <b>10/01/2012</b>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bb/s. <b>70</b>	Gas Mcf	Water Bb/s. Gas-Oil Ratio Gravity

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

**Tops**

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

Capacity: 8000.00 psig

Last Calib.:

2012.09.14

Start Time: 22:47:30

End Time:

06:45:00

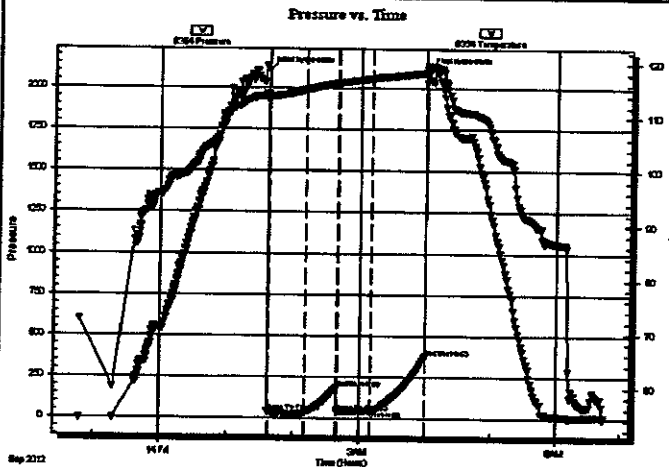
Time On Btm:

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.  
IS-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.  
24583 NW 208 Rd.  
Jelmore, 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

**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*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: inches			

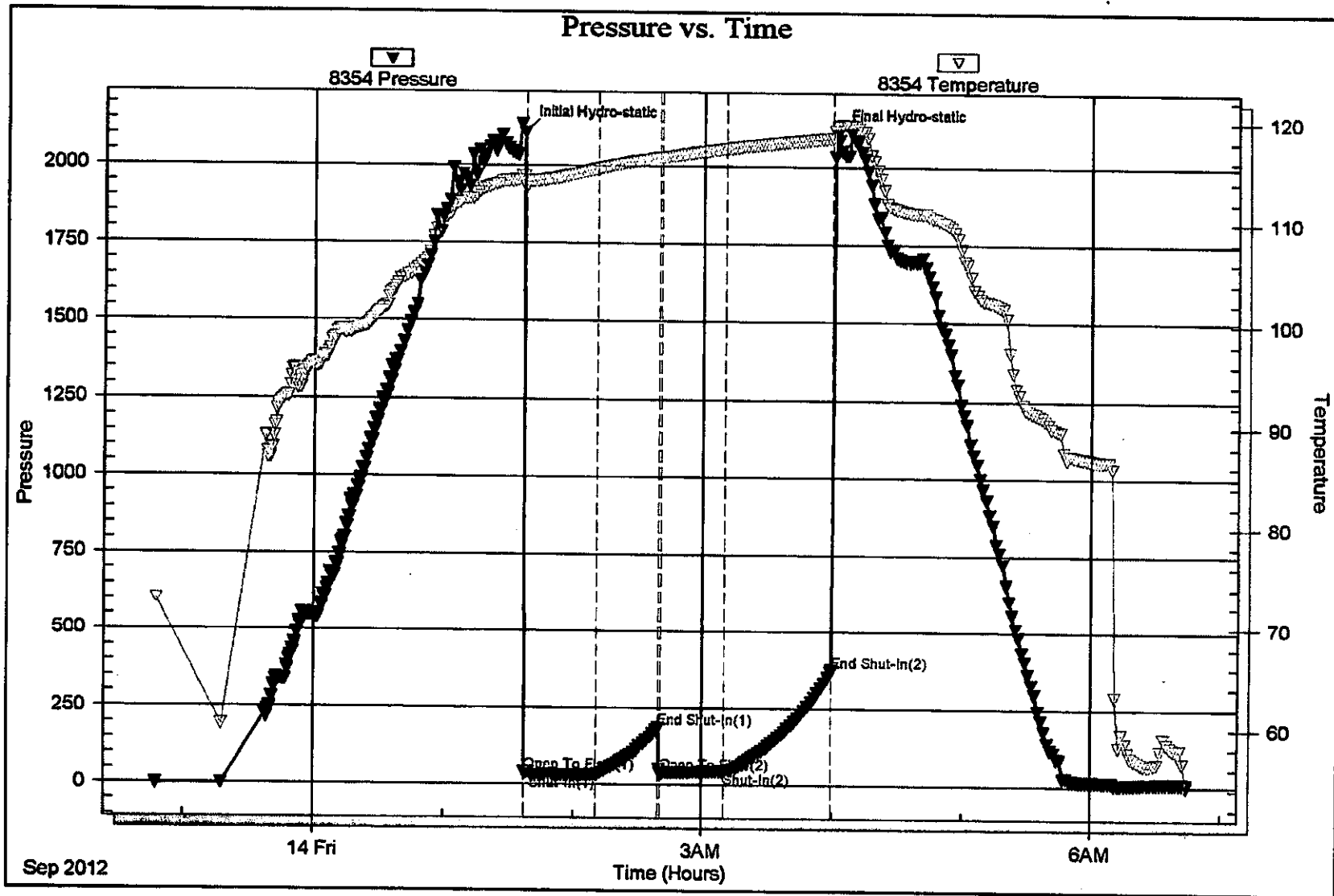
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	50%Gas/10%O <sub>2</sub> /40%Mud	0.049
30.00	5%O <sub>2</sub> /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:



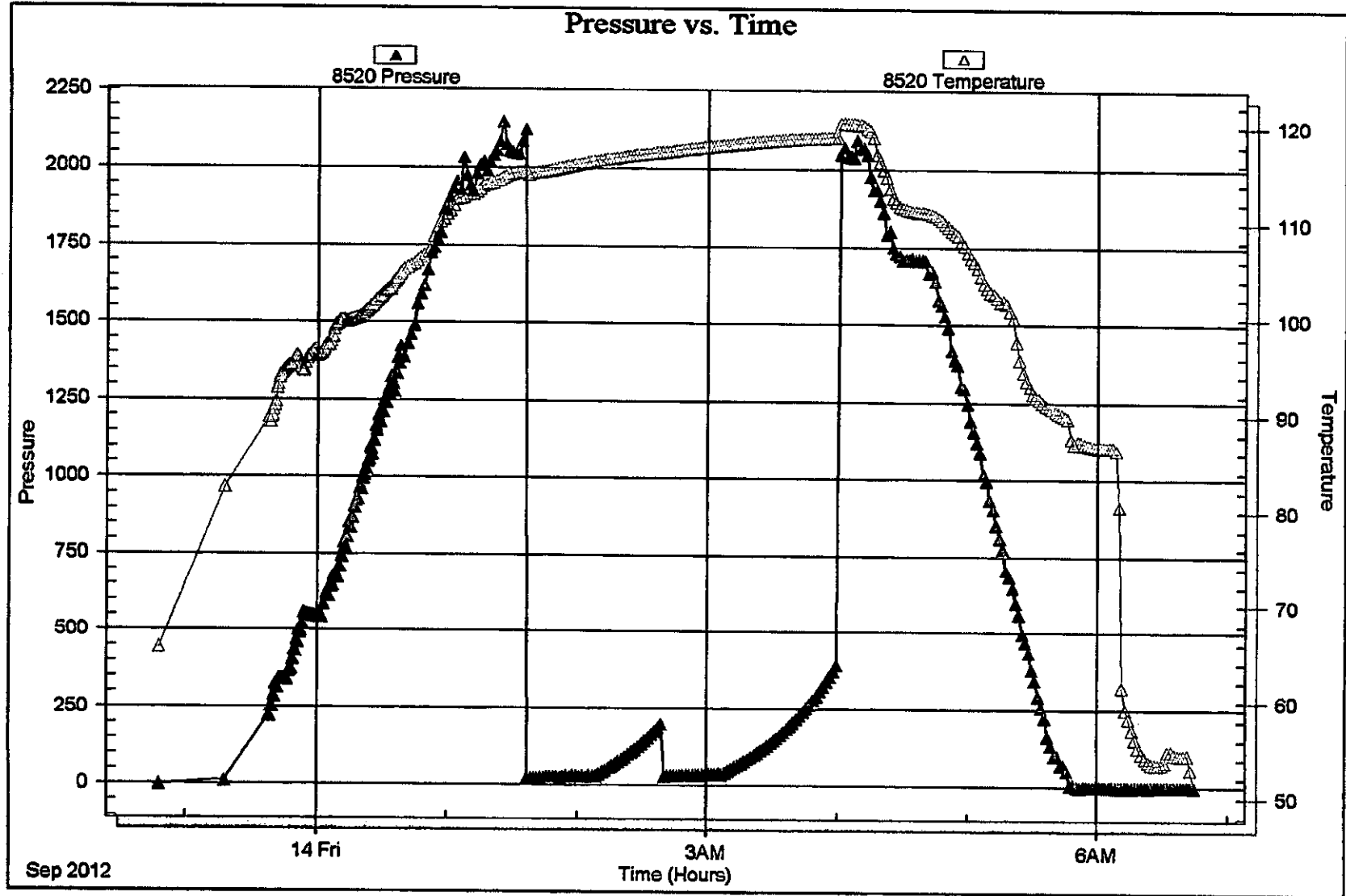


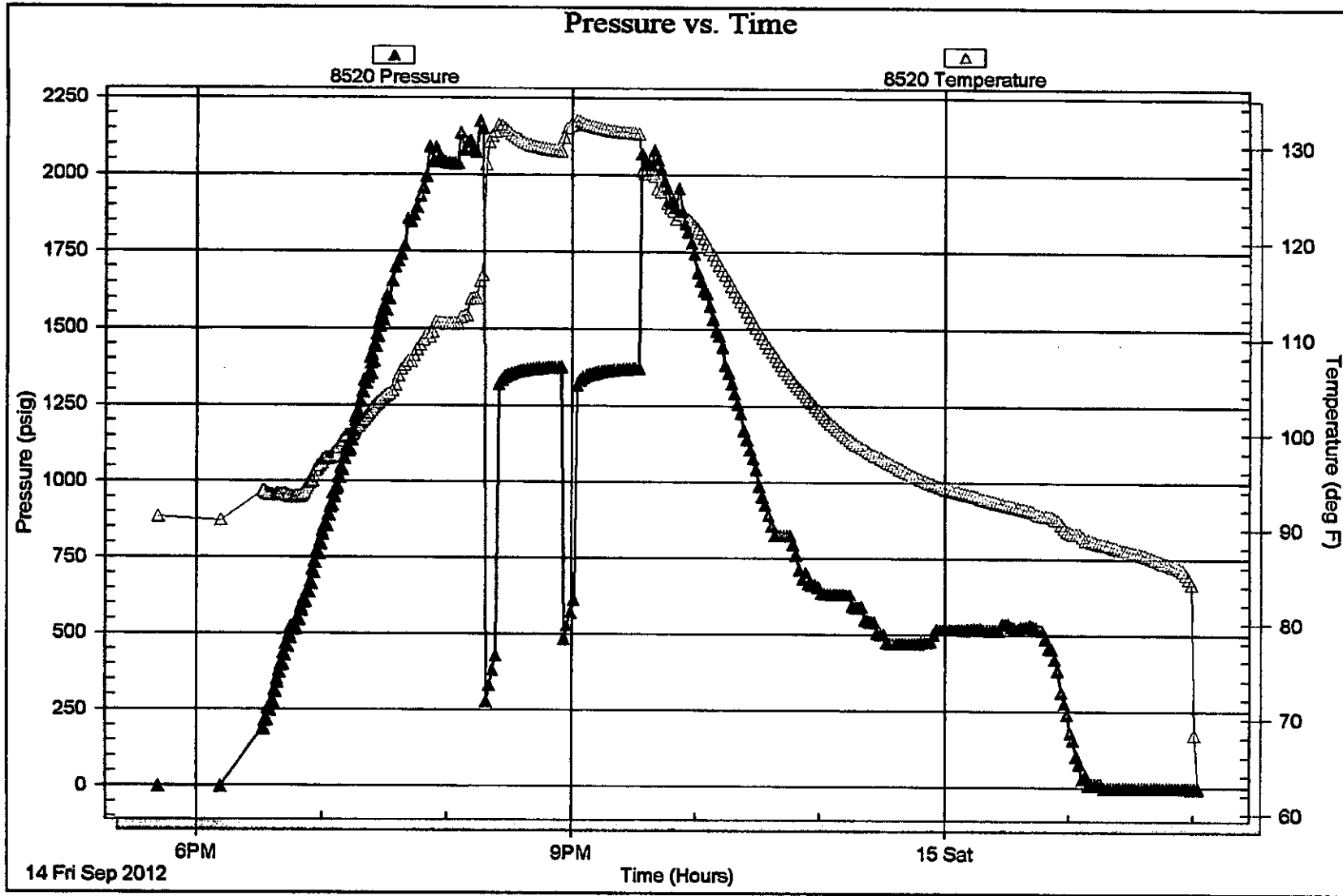
Serial #: 8520

Outside DK Operating, Inc.

Chk #2

DST Test Number: 1



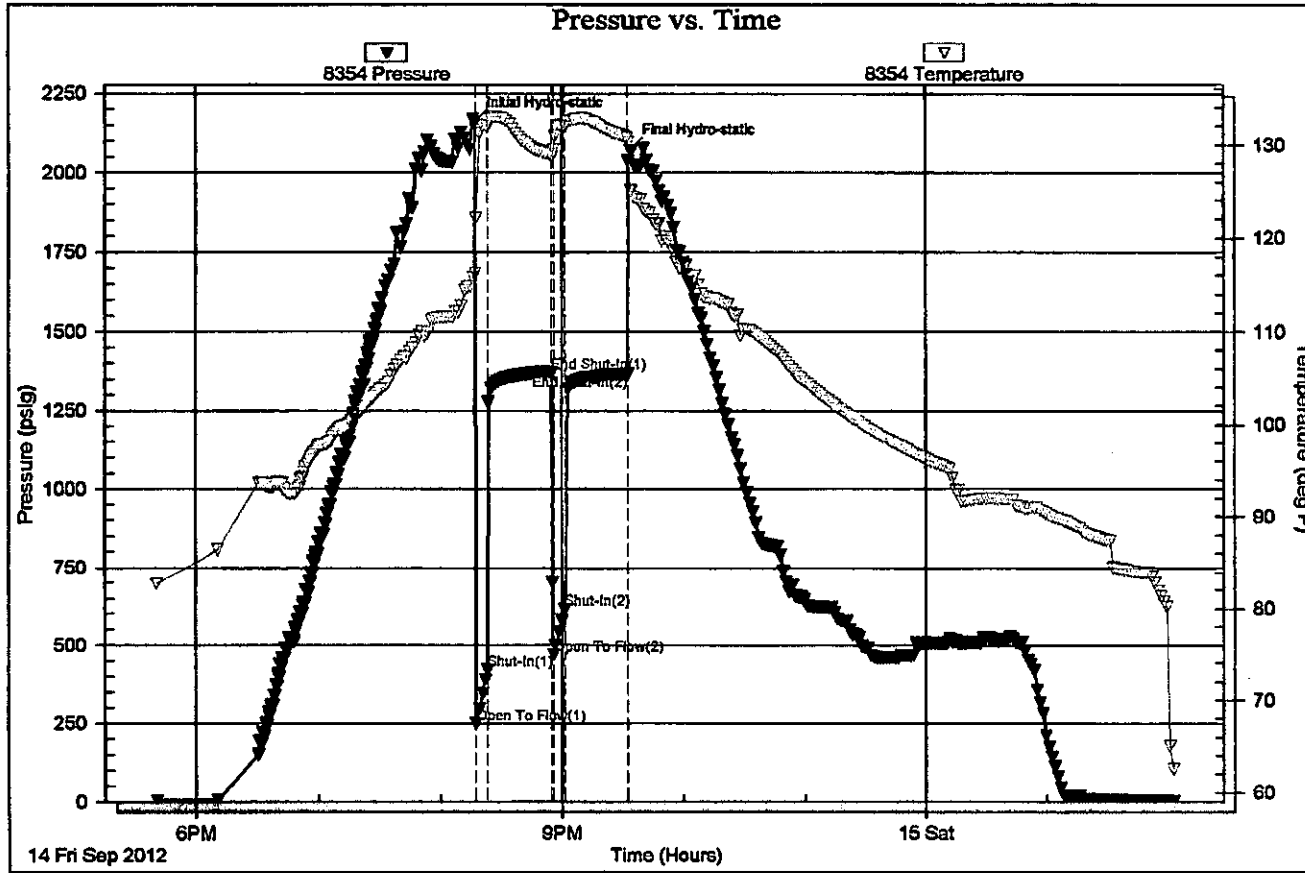


Serial #: 8354

Inside DK Operating, Inc.

Clnk #2

DST Test Number: 2





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

17-21s-22w Hodgeman, KS  
Dink #2  
Job Ticket: 47928      DST#: 2  
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 Satinity:	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**

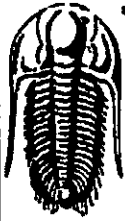
Length ft	Description	Volume bbl
180.00	10% Gas/60% Oil/15% Water/15% Mud	1.423
1143.00	40% Gas/60% Oil	16.033
0.00	126' G.I.P.	0.000

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.  
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

**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:

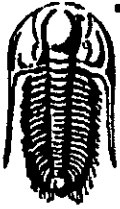
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4364.00	
Shut In Tool	5.00			4369.00	
Hydraulic tool	5.00			4374.00	
Jars	5.00			4379.00	
Safety Joint	3.00			4382.00	
Packer	5.00			4387.00	28.00 Bottom Of Top Packer
Packer	4.00			4391.00	
Stubb	1.00			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.  
24583 NW 208 Rd.  
Jetmore, KS 67854  
ATTN: Jason Alm

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

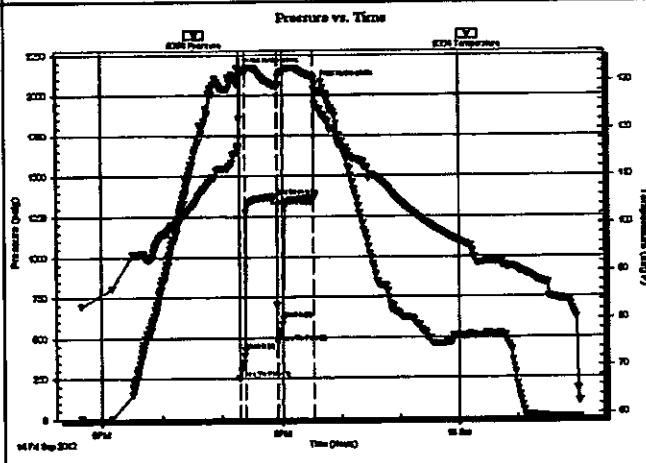
**Dink #2**  
Job Ticket: 47928      DST#: 2  
Test Start: 2012.09.14 @ 17:30:30

**GENERAL INFORMATION:**

Formation: **Mississippian**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: **20:17:30**  
Time Test Ended: **02:03:30**  
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**  
Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Dustin Rash**  
Unit No: **38**  
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)**      Capacity: **8000.00 psig**  
Start Date: **2012.09.14**      End Date: **2012.09.15**      Last Calib.: **2012.09.15**  
Start Time: **17:40:30**      End Time: **02:03:30**      Time On Btm: **2012.09.14 @ 20:17:00**  
**2012.09.14 @ 21:33:30**      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.

DATE 15 Sep 12 PAGE NO.

WELL NO. WJ OPERATING LEASE DINK 2-17 JOB TYPE 5 1/2 LONG STRING 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 SHOET. 44.08' CENTRALIZERS 1, 2, 3, 6, 7 BASKETS 6, 5, 6 PORT COLLAR TOP OF #6 @ 1489
	1325							DROP BALL CIRCULATE.
	1427	6	12		✓		300	Pump 500 gal MUD 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 DOUG

## Formation Tops

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

## 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.