Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1271437

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 # 34975
Name: StrataKan Exploration, LLC
Address 1: 204 W. MILL ST.
Address 2:
City: PLAINVILLE State: KS Zip: 67663 + _ _ _ _
Contact Person: Justin R. Prater
Phone: (785) 432-0861
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Justin R. Prater
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 #:

9/11/2015	9/17/2015	10/26/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23943-00-00
Spot Description:
SE - NE - NW - NE Sec. 20 Twp. 21 S. R. 13 ☐ East ☑ West
365 Feet from ☑ North / ☐ South Line of Section
1615 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: Stafford
Lease Name: Fanshier Well #: 20-1
Field Name:
Producing Formation: Lansing/Kansas City
Elevation: Ground: 1899 Kelly Bushing: 1909
Total Vertical Depth: 3775 Plug Back Total Depth: 3725
Amount of Surface Pipe Set and Cemented at: 689 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: 12000 ppm Fluid volume: 80 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:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 11/16/2015

1271437

Operator Name: StrataKan Exploration, LLC Lease Name: Fanshier Well #: 20-1

Sec. 20 Twp. 21 S. R. 13 ☐ East ☑ West County: Stafford

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:

DUCP
DIL
MICRO

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

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	689	60/40	450	3%CC 2%Gel
Production	7.875	5.5	15.5	3767	Common	190	10%SALT 5% GIL

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
6	PERF	NATURAL	3699-3701
	CIBP		3696
4	PERF	NATURAL	3682-3684
	CIBP		3670
4	PERF	500 GAL 20% MCA	3477-3481

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2.875	3690		☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 10/26/2015

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	75		0		32

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____	3477-3481

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

Justin R. Prater, LLC

COMPANY	**STRATAKAN EXPLORATION, LLC**		
LEASE	**Fanshier 20-1**		
FIELD	**HAZEL**		
LOCATION	**345 FNL 1615 FEL**		
SEC **20**	TWSP **21s**	RGE **13w**	
COUNTY	**Stafford**	STATE **KS**	

ELEVATIONS

KB	**1909**
DF	
GL	**1899**

Measurements are all from **KB**

CONTRACTOR	**SOUTHWIND DRILLING #1**		
SPUD	**9-11-15**	COMP **9-18-15**	
RTD	**3775**	LTD **3772**	
MUD UP	**2600**	TYPE MUD **CHEM**	

CASING

SURFACE	**8 5/8 @256**
PRODUCTION	**5.5 @ 3767**

SAMPLES SAVED FROM	**3100**	TO	**RTD**
DRILLING TIME KEPT FROM	**2700**	TO	**RTD**
SAMPLES EXAMINED FROM	**3100**	TO	**RTD**
GEOLOGICAL SUPERVISION FROM	**3100**	TO	**RTD**

GEOLOGIST ON WELL **JUSTIN R. PRATER**

ELECTRICAL SURVEYS

DIL/MICRO/CDNL/CPI

FORMATION TOPS	LOG
HEEBNER SHALE MEMBER	**3221 -1312**
TORONTO LIMESTONE	**3239 -1330**
DOUGLAS SHALE	**3254 -1345**
BROWN LIME	**3342 -1433**
LANSING "A"	**3352 -1443**
LANSING "K"	**3476 -1567**
BASE KANSAS CITY	**3579 -1670**
VIOLA	**3599 -1690**
SIMPSON SHALE	**3629 -1720**
ARBUCKLE	**3662 -1753**
ARBUCKLE 2ND BREAK	**3700 -1791**

SAMPLES

DUE TO POSITIVE STRUCTURE, TWO LKC DSTS AND POSITIVE SAMPLES/LOG CALCULATIONS IN THE ARBUCKLE, I RECOMMENDED A TWO RUN AND CEMENT 5 1/2 PRODUCTION CASING FOR A COMPLETION IN THE ARBUCKLE.

RECOMMENDED PERFORATIONS

ARB 2ND BREAK 3696-3701

ARBUCKLE 3690-3692

LANSING H 3476-80
LANSING I 3494-3500

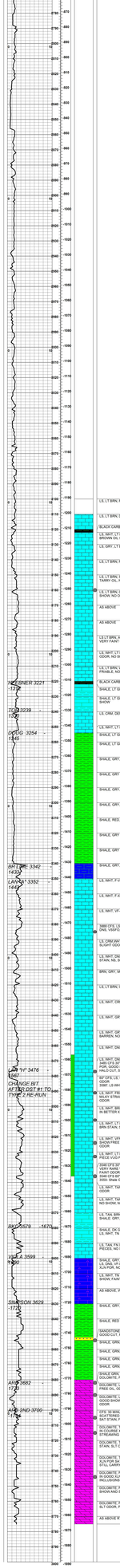
RESPECTFULLY SUBMITTED,

JUSTIN R. PRATER

Curve Track #1
ROP (min/ft) 10
Gamma (API) 150
Cal (in) 6 16

DEPTH | DST | LITHOLOGY | DS Meas | Geological Descriptions

TG, C1 - C5
Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100



DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

StrataKan Expl. LLC.

204 W. Mill St.
Plainville Ks.67663

ATTN: Justin R. Prater

20-21s-13w Stafford Ks

Fanshier #20-1

Job Ticket: 59793 **DST#: 1**

Test Start: 2015.09.15 @ 14:06:13

GENERAL INFORMATION:

Formation: **Lans. H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:59:58
Time Test Ended: 20:08:58

Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoteaux
Unit No: 80

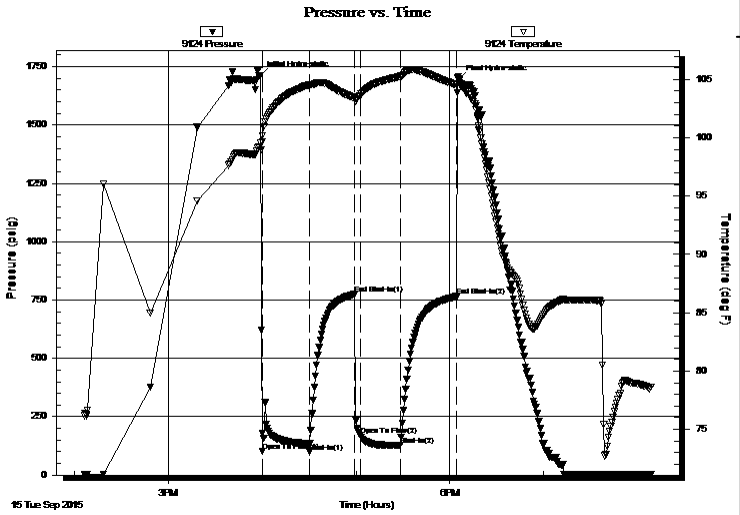
Interval: 3466.00 ft (KB) To 3485.00 ft (KB) (TVD)
Total Depth: 3485.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1909.00 ft (KB)
1899.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 9124 **Outside**

Press@RunDepth:	129.08 psig @	3467.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2015.09.15	End Date:	2015.09.15	Last Calib.:	2015.09.15
Start Time:	14:06:18	End Time:	20:08:57	Time On Btm:	2015.09.15 @ 15:58:43
				Time Off Btm:	2015.09.15 @ 18:05:43

TEST COMMENT: IF: Strong blow . B.O.B. in 2 mins. Comment: Approx 8 ft. hard fill on btm. Slid tool 6 ft. to btm.
ISI:Weak blow . 1/4 - 3/4".
FF:Strong blow . B.O.B. in 1 min.
FSI:GTS 30 secs in to FSIP. Fair blow . 2 - 5".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.22	99.52	Initial Hydro-static
2	102.00	99.68	Open To Flow (1)
32	136.28	104.57	Shut-In(1)
61	774.76	103.42	End Shut-In(1)
64	170.00	103.64	Open To Flow (2)
90	129.08	105.25	Shut-In(2)
126	765.38	104.51	End Shut-In(2)
127	1695.80	105.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
96.00	CGO 14%g 86%o	1.35
91.00	GMCO 19%g 13%m 68%o	1.28

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

StrataKan Expl. LLC.

204 W. Mill St.
Plainville Ks.67663

ATTN: Justin R. Prater

20-21s-13w Stafford Ks

Fanshier #20-1

Job Ticket: 59793 **DST#: 1**

Test Start: 2015.09.15 @ 14:06:13

GENERAL INFORMATION:

Formation: **Lans. H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:59:58
Time Test Ended: 20:08:58

Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoteaux
Unit No: 80

Interval: 3466.00 ft (KB) To 3485.00 ft (KB) (TVD)
Total Depth: 3485.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

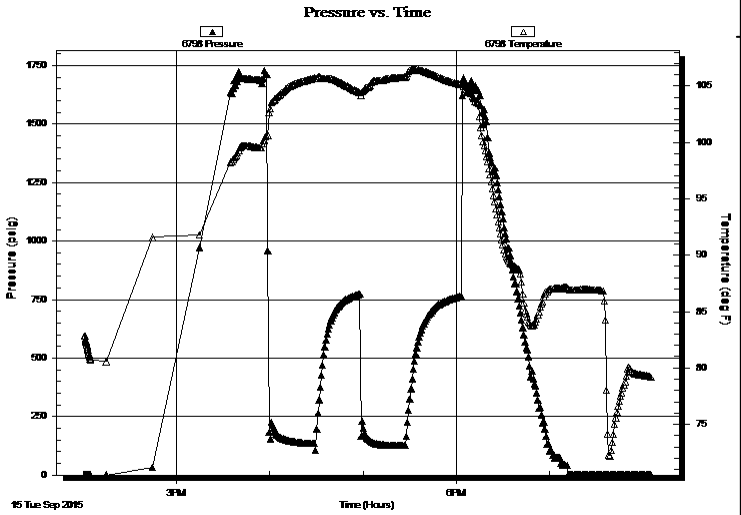
Reference Elevations: 1909.00 ft (KB)
1899.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: psig @ 3467.00 ft (KB)
Start Date: 2015.09.15 End Date: 2015.09.15
Start Time: 14:00:32 End Time: 20:05:56

Capacity: 8000.00 psig
Last Calib.: 2015.09.15
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 2 mins. Comment: Approx 8 ft. hard fill on btm. Slid tool 6 ft. to btm.
ISI:Weak blow . 1/4 - 3/4".
FF:Strong blow . B.O.B. in 1 min.
FSI:GTS 30 secs in to FSIP. Fair blow . 2 - 5".



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
96.00	CGO 14%g 86%o	1.35
91.00	GMCO 19%g 13%m 68%o	1.28

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

StrataKan Expl. LLC.	**20-21s-13w Stafford Ks**
204 W. Mill St. Plainville Ks.67663	**Fanshier #20-1**
	Job Ticket: 59793 **DST#: 1**
ATTN: Justin R. Prater	Test Start: 2015.09.15 @ 14:06:13

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38.2 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	3000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.40 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
96.00	CGO 14%g 86%o	1.347
91.00	GMCO 19%g 13%m 68%o	1.276

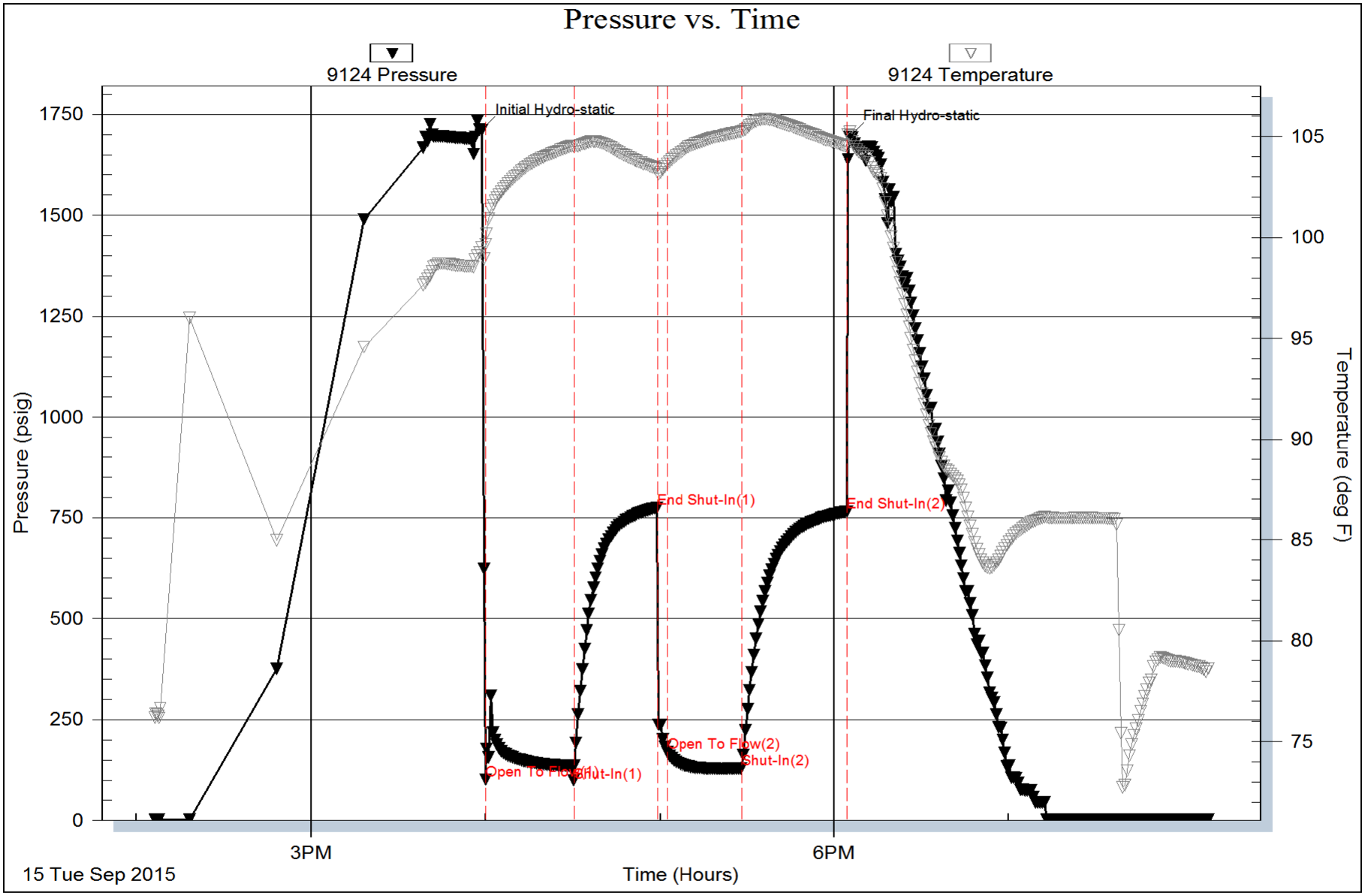
Total Length: 187.00 ft Total Volume: 2.623 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

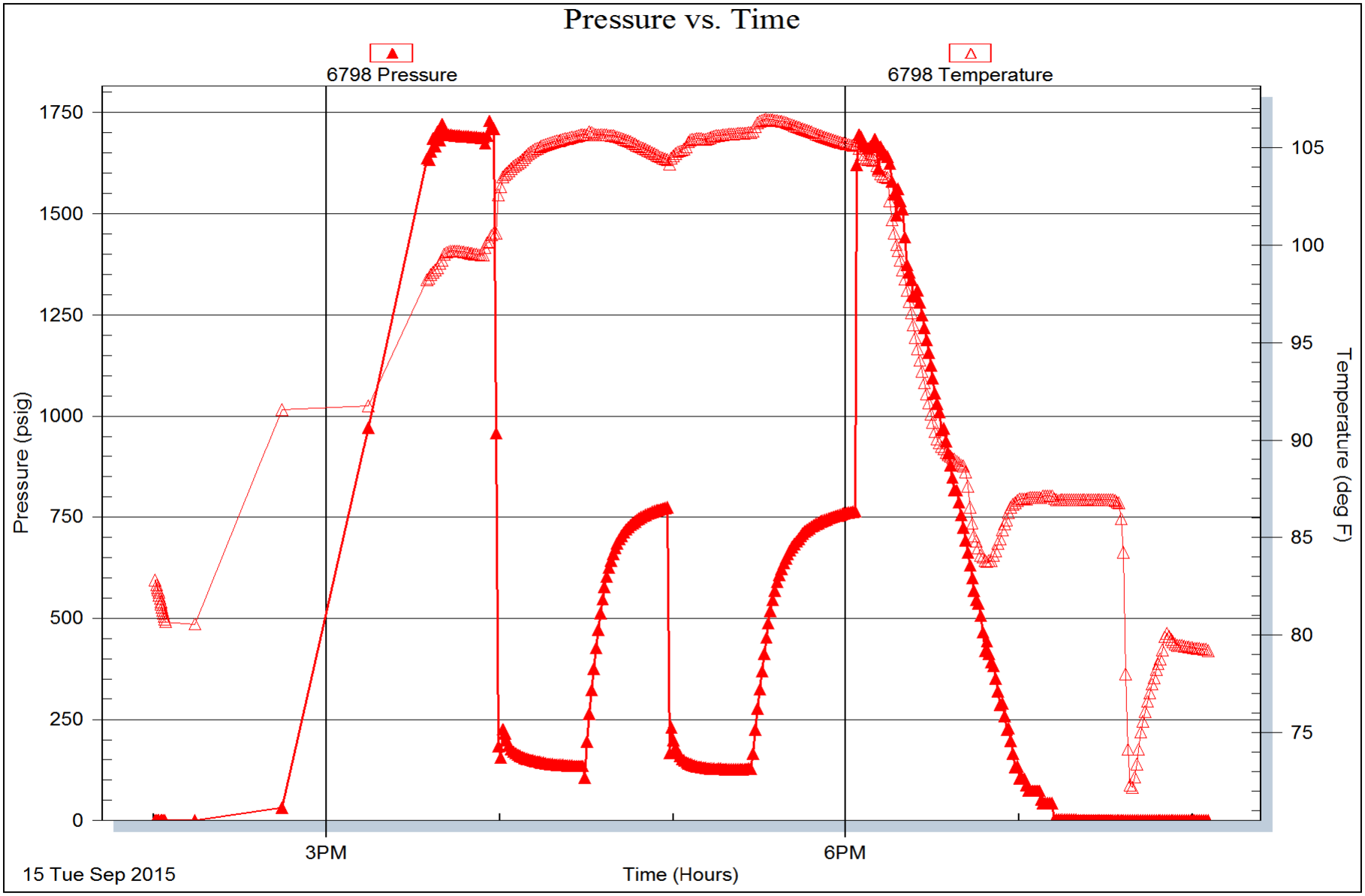
Recovery Comments:

Serial #: 9124 **Outside** StrataKan Expl. LLC. Fanshier #20-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 59793 Printed: 2015.09.16 @ 07:37:37

Serial #: 6798 **Inside** StrataKan Expl. LLC. Fanshier #20-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 59793 Printed: 2015.09.16 @ 07:37:37

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

StrataKan Expl. LLC.

204 W. Mill St.
Plainville Ks.67663

ATTN: Justin R. Prater

20-21s-13w Stafford Ks

Fanshier #20-1

Job Ticket: 59794 **DST#: 2**

Test Start: 2015.09.16 @ 07:57:53

GENERAL INFORMATION:

Formation: **Lans. I J K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:22:53
Time Test Ended: 13:26:08

Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 80

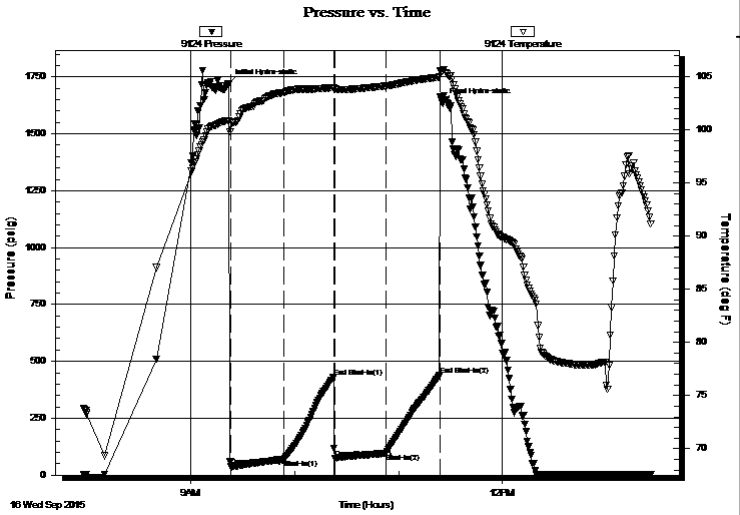
Interval: 3485.00 ft (KB) To 3546.00 ft (KB) (TVD)
Total Depth: 3546.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1909.00 ft (KB)
1899.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 9124 **Outside**

Press@RunDepth:	95.34 psig @	3486.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2015.09.16	End Date:	2015.09.16	Last Calib.:	2015.09.16
Start Time:	07:57:58	End Time:	13:26:07	Time On Btm:	2015.09.16 @ 09:21:38
				Time Off Btm:	2015.09.16 @ 11:25:23

TEST COMMENT:
IF:Strong blow . B.O.B. in 3 1/2 mins.
ISI:No blow .
FF:Srong blow . B.O.B. in 45 secs.
FSI:Weak blow . 1/2 - 1 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.20	100.86	Initial Hydro-static
2	37.10	100.38	Open To Flow (1)
32	68.42	103.46	Shut-In(1)
61	431.52	103.94	End Shut-In(1)
62	73.64	103.82	Open To Flow (2)
91	95.34	104.09	Shut-In(2)
122	439.80	104.93	End Shut-In(2)
124	1636.41	105.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	410 ft. of GIP	0.00
110.00	GOCM 34$g 28%o 38%m	1.54
90.00	CGO 22%g 78%o	1.26

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Expl. LLC.	**20-21s-13w Stafford Ks**
204 W. Mill St. Plainville Ks.67663	**Fanshier #20-1**
	Job Ticket: 59794 **DST#: 2**
ATTN: Justin R. Prater	Test Start: 2015.09.16 @ 07:57:53

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	28.7 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	3500 ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.60 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	410 ft. of GIP	0.000
110.00	GOCM 34$g 28%o 38%m	1.543
90.00	CGO 22%g 78%o	1.262

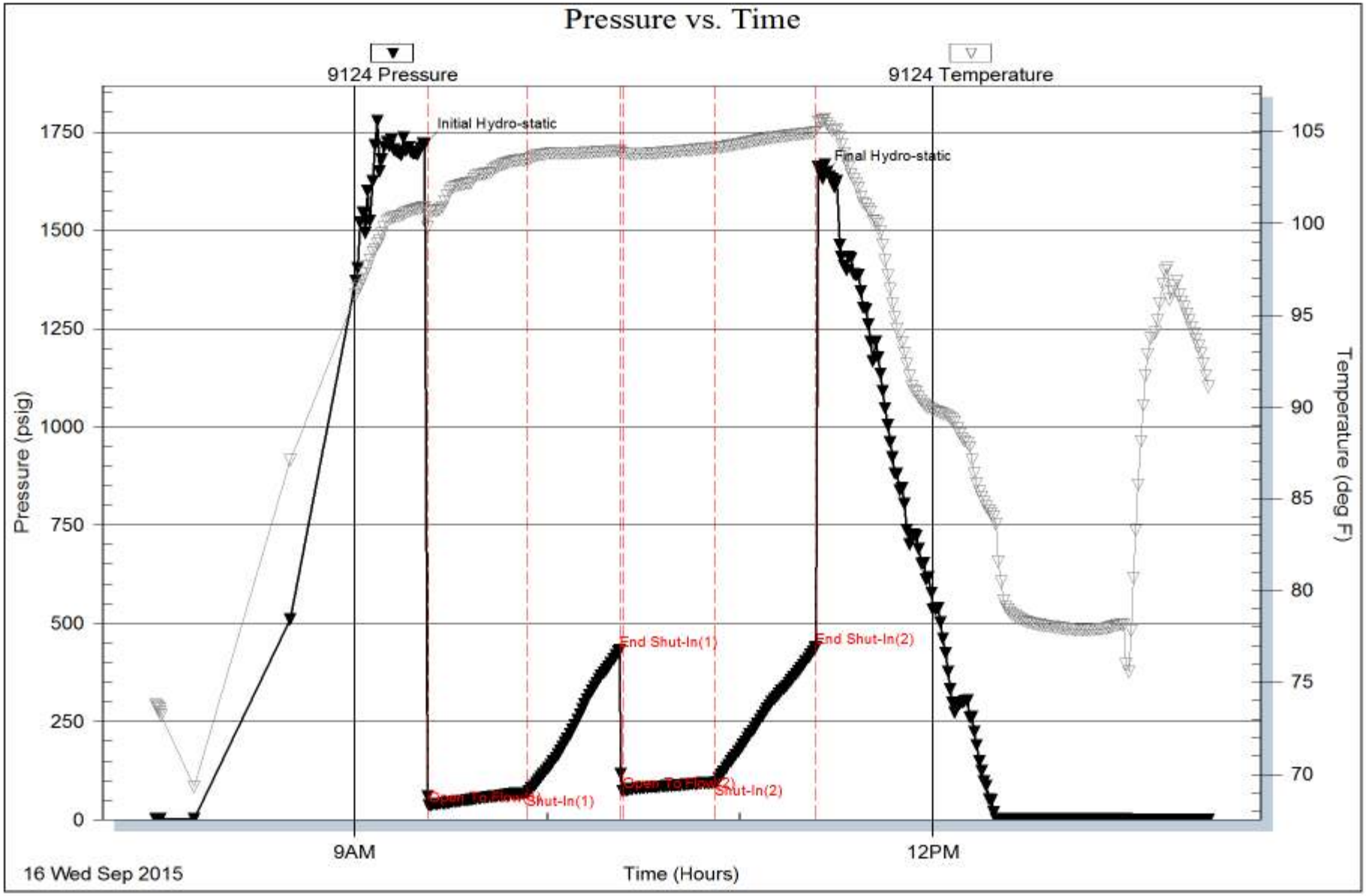
Total Length: 200.00 ft Total Volume: 2.805 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: Trace of gas, 1555 ML. oil (gr. 28.7 API) 110 ML. mud @ 106 psi

Serial #: 9124 **Outside** StrataKan Expl. LLC. Fanshier #20-1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 59794 Printed: 2015.09.16 @ 14:51:21

Drilling Report
Fanshier 20-1
365’ FNL 1615’FEL
N/2 of the NE/4 Section 20 21s-13w
Stafford County, Kansas

Contractor: Southwind Drilling Rig #1

Ground Elevation: 1899’
Kelly Bushing Elevation 1909’

9-8-15 to 9-10-15

File permit with KCC, meet with surface tenant for roads and pits, stake location, perform required pit inspection, build location, run waterline from American Warrior Inc. water well on the Fischer Lease, fill pits, start moving in Southwind Drilling Rig #1.

9-11-15

Finish moving in Southwind Drilling, spud surface, drilling surface.

9-12-15

Run and set 686’ new 8 5/8” 23# surface casing, cement report to be attached, WOC, start drilling under surface @ 6:45 p.m.

Note: 7 7/8 bit is new Varel HE-21 IADC 517

9-13-15

8:45 a.m. depth is 1675’ and drilling penetration rate to current is 76ft/hr, 8:30 p.m depth is 2312’ penetration rate currently 60 ft/hr. Expect mud up @ 2600ft during morning tower.

9-14-15

8:47 p.m. depth is 3222’ and drilling ahead.

9-15-14

9:00 a.m., circulating samples @3485’ Lansing “H”, 10:50 a.m, short trip for DST #1

DST #1 3466-3485 LANSING “H” 30-30-30-30

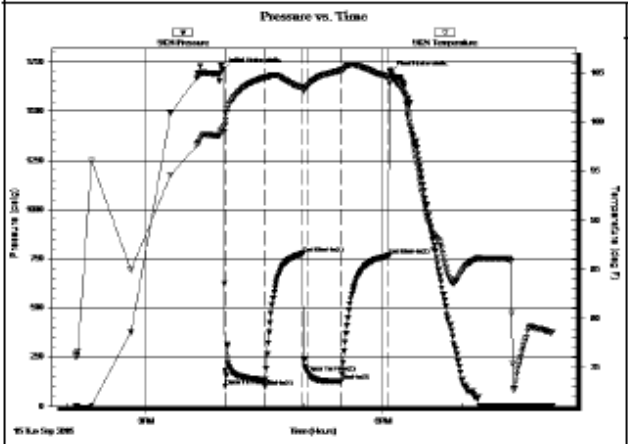
SHOW/ROCK DESCRIPTION: 3485’ 30” CFS, LIMESTONE, BROWN TAN, GOOD VUG POROSITY, SOME OOC POR, GOOD SHOW BLK FREE OIL IN SECONDARY POROSITY, CONTINUOUS AND RAPID STREAMING HALO CUT, GOOD ODOR

8:17 p.m., TIH W/Bit after DST #1,

Formation:	Lans. H		
Deviated:	No Whipstock: ft (KB)	Test Type:	Conventional Bottom Hole (Initial)
Time Tool Opened:	15:59:58	Tester:	Gary Pevoteaux
Time Test Ended:	20:08:58	Unit No:	80
Interval:	**3466.00 ft (KB) To 3485.00 ft (KB) (TVD)**	Reference Elevations:	1909.00 ft (KB)
Total Depth:	3485.00 ft (KB) (TVD)		1899.00 ft (CF)
Hole Diameter:	7.88 inches Hole Condition:	KB to GR/CF:	10.00 ft

Serial #: 9124	**Outside**				
Press@RunDepth:	129.08 psig @	3467.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2015.09.15	End Date:	2015.09.15	Last Calib.:	2015.09.15
Start Time:	14:06:18	End Time:	20:08:57	Time On Btm:	2015.09.15 @ 15:58:43
				Time Off Btm:	2015.09.15 @ 18:05:43

TEST COMMENT: IF: Strong blow . B.O.B. in 2 mins. Comment: Approx 8 ft. hard fill on btm. Slid tool 6 ft. to btm.
ISI:Weak blow . 1/4 - 3/4".
FF:Strong blow . B.O.B. in 1 min.
FSI:GTS 30 secs in to FSIP. Fair blow . 2 - 5".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.22	99.52	Initial Hydro-static
2	102.00	99.68	Open To Flow (1)
32	136.28	104.57	Shut-In(1)
61	774.76	103.42	End Shut-In(1)
64	170.00	103.64	Open To Flow (2)
90	129.08	105.25	Shut-In(2)
126	765.38	104.51	End Shut-In(2)
127	1695.80	105.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
96.00	CGO 14%g 86%o	1.35
91.00	GMCO 19%g 13%m 68%o	1.28

Gas Rates

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

38.2 API Gravity

9-16-15

6:18 a.m., starting out of the hole for DST #2 3485-3546 Kansas City I, J, and K

SHOW/Rock Description:

"I" Zone- LS, WHT, FRI, FAIR SHOW FREE OIL IN INT GRAN POR, MILKY STRAW CUT, OIL IS DK BRN, F-VF XLN, GOOD ODOR

"J" ZONE- LS, WHT, VFN-FN XLN, OCCASIONAL MED XLN POR, RARE SHOW FREE OIL, STREAMING MILKY CUT, SLT ODOR

"K" ZONE- LS, WHT, LT BRN, FN-XLN POR, RARE VUG POR, POOR SHOW FREE OIL IN POROSITY, FAINT ODOR

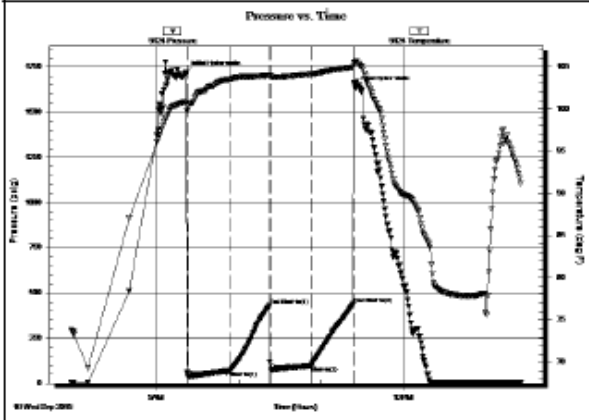
TIMES 30-30-30-30 API GRAVITY 28.7

Formation:	Lans. I J K		
Deviated:	No Whipstock: ft (KB)	Test Type:	Conventional Bottom Hole (Reset)
Time Tool Opened:	09:22:53	Tester:	Gary Pevoteaux
Time Test Ended:	13:26:08	Unit No:	80
Interval:	3485.00 ft (KB) To 3546.00 ft (KB) (TVD)	Reference Elevations:	1909.00 ft (KB)
Total Depth:	3546.00 ft (KB) (TVD)		1899.00 ft (CF)
Hole Diameter:	7.88 inches Hole Condition: Poor	KB to GR/CF:	10.00 ft

Serial #: 9124 **Outside**

Press@RunDepth:	95.34 psig @	3486.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2015.09.16	End Date:	2015.09.16	Last Calib.:	2015.09.16
Start Time:	07:57:58	End Time:	13:26:07	Time On Btm:	2015.09.16 @ 09:21:38
				Time Off Btm:	2015.09.16 @ 11:25:23

TEST COMMENT: IF:Strong blow . B.O.B. in 3 1/2 mins.
ISI:No blow .
FF:Srong blow . B.O.B. in 45 secs.
FSI:Weak blow . 1/2 - 1 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.20	100.86	Initial Hydro-static
2	37.10	100.38	Open To Flow (1)
32	68.42	103.46	Shut-In(1)
61	431.52	103.94	End Shut-In(1)
62	73.64	103.82	Open To Flow (2)
91	95.34	104.09	Shut-In(2)
122	439.80	104.93	End Shut-In(2)
124	1636.41	105.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	410 ft. of GIP	0.00
110.00	GOCM 34$g 28%o 38%m	1.54
90.00	OGO 22%g 78%o	1.26

Gas Rates

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

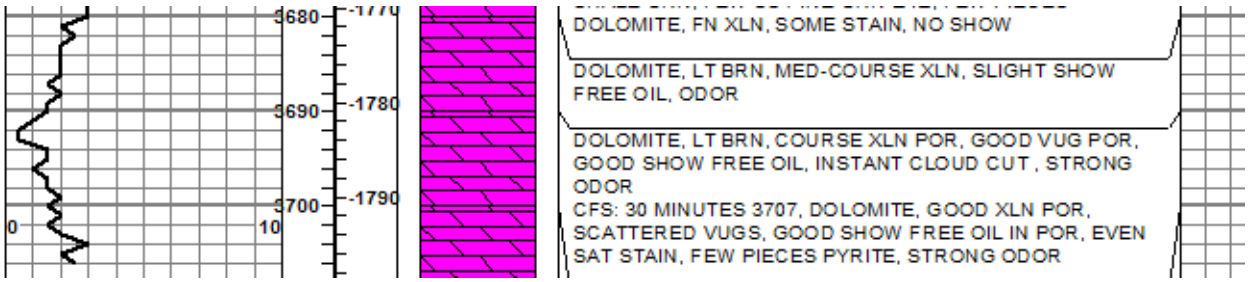
8:55 P.M , DEPTH IS 3657’ AND DRILLING

9-17-15

8:00 a.m. RTD 3775’ and logging, Pioneer Wireline running DUCP/DIL/MICRO stack. Will run production casing for Arbuckle completion.

Arbuckle:

Show/Rock Description:



Logs show 30% SW @ 3692’
2nd Break @ 3700’ 49% SW with shale cap above and tight rocks below calculating interval.

Structural Position Chart					
Fanshier 20-1 N/2 NE/4 Section 20 21s-13w, Stafford County, KS KB=1909'					
Final	ELOG				
Formation	American Warrior Bird-Krampe 1-20	Pet. Inc. Koopman #1	Fanshier 20-1	Position R1	Position R2
Heebner	3224 -1315	3216 -1312	3221 -1312	3+	Even
Toronto	3244 -1335	3236 -1332	3239 -1330	5+	2+
Douglas	3257 -1348	3250 -1346	3254 -1345	3+	1+
Brown Lime	3346 -1437	3339 -1435	3342 -1433	4+	2+
Lansing "A"	3360 -1451	3350 -1446	3352 -1443	8+	3+
Lansing "H"	3482 -1573	3474 -1570	3476 -1567	6+	3+
BKC	3581 -1672	3576 -1672	3579 -1670	2+	2+
Viola	3602 -1693	3595 -1691	3599 -1690	3+	1+
Simpson	3641 -1732	3622 -1718	3629 -1720	12+	-2
Arbuckle #1	3691 -1782	3673 -1769	3682 -1773	9+	-4
Arbuckle #2	3709 -1800	Not Penetrated	3700 -1791	9+	Not Pen

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 1624

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-12-15	20	21	13	Stafford	Ks		10:45 Am

Location Great Bend, Ks - 10S to 180 Rd, 1½W

Lease Fanshier Well No. 20-1 Owner S/S

Contractor Southwind 1

Type Job Surface

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.

Hole Size 12¼" T.D. 689'

Csg. 8 5/8" Depth 689'

Charge To Stratakan Exploration

Street

Tbg. Size Depth

City State

Tool Depth

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

Cement Left in Csg. 42' Shoe Joint 42'

Cement Amount Ordered 450 60/40 3%cc 2%Gel

Meas Line Displace 41 BLS

½# Flo-seal

EQUIPMENT

Pumptrk 18	No.	Cementer	Travis
		Helper	
Bulktrk 21	No.	Driver	Billy
		Driver	
~~Bulktrk~~ pu.	No.	Driver	Rick
		Driver	

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Common	270
Poz. Mix	180
Gel.	9
Calcium	26
Hulls	
Salt	
Flowseal	225#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	485
Mileage	

FLOAT EQUIPMENT

~~Guide Shoe~~	Baffle plate
~~Centralizer~~	Rubber plug
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Long Surface
Mileage	12
Tax	
Discount	
Total Charge	

X Signature

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 1630

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-17-15	20	21	13	Stafford	KS	9-18-15	2:00 AM

Location Great Bend, Ks - 10S to 180 Rd,

Lease Fanshier Well No. 20-1

Contractor Southwind 1

Type Job Longstring

Hole Size 7 7/8" T.D. 3775'

Csg. 5 1/2" Depth 3769.75'

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 42.10' Shoe Joint 42.10'

Meas Line Displace 88 1/2 BLS

EQUIPMENT

Pumptrk 18 No.	Cementer		
	Helper	Travis	
Bulktrk 3 No.	Driver		
	Driver	Doug	
Bulktrk pu No.	Driver		
	Driver	Rick	

JOB SERVICES & REMARKS

Remarks:

Rat Hole 20 BL KCL Water Beffore

Mouse Hole mud Clear

Centralizers 1,2,4,6,7,8,9,10

Baskets

D/V or Port Collar

Circulation pipe on bottom break Circulation pump 500 gal mud Clear 48 plug Rathole w/ 25sx plug mouse hole w/ 15sx Hook to Casing + mix 145 sx Cement, Shutdown Wash pump + lines Released plug + Displace w/ 88 1/2 BLS of KCL water. Released + held Left pressure 700 #

Land plug to 1500 #

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 Stratakan Exploration

Street

City State

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

Cement Amount Ordered 190 Com 10% Salt 5% Gilsonite 500 gal mud Clear 48 108 BL KCL

Common	190
Poz. Mix	
Gel.	
Calcium	
~~Hulls~~ KCL	11 gal
Salt	15
Flowseal	
Kol-Seal	900 #
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	204
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 turbo's
Baskets	
AFU Inserts	
Float Shoe	1
Latch Down	1

Pumptrk Charge prod String

Mileage 10

Tax

Discount

Total Charge

X Signature K. L. Thompson