



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1278408
OIL & GAS CONSERVATION DIVISION

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 # _____

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1278408

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

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.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---



Scale 1:240 Imperial

Well Name: DAVIS - WIENS UNIT #1
Surface Location: NW NW NE SE Sec. 4 - 7S - 20W
Bottom Location:
API: 15-163-24310
License Number: 34903
Spud Date: 11/23/2015 Time: 1:00 PM
Region: ROOKS COUNTY KANSAS
Drilling Completed: 11/27/2015 Time: 2:54 AM
Surface Coordinates: 2555' FSL & 1300' FEL
Bottom Hole Coordinates:
Ground Elevation: 2135.00ft
K.B. Elevation: 2140.00ft
Logged Interval: 3050.00ft To: 3600.00ft
Total Depth: 3598.00ft
Formation: LANSING - KANSAS CITY; ARBUCKLE
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

OPERATOR

Company: JASPAR COMPANY
Address: 1681 LIMESTONE ROAD SOUTH
HAYS, KS 67601
Contact Geologist: SHANE VEHIGE
Contact Phone Nbr: (785) 623-6982
Well Name: DAVIS - WIENS UNIT #1
Location: NW NW NE SE Sec. 4 - 7S - 20W
API: 15-163-24310
Pool: State: KANSAS Field: PROBASCO
Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.5511701
Latitude: 39.4735653
N/S Co-ord: 2555' FSL
E/W Co-ord: 1300' FEL

LOGGED BY



Company: BIG CREEK CONSULTING, INC.
Address: 1909 MAPLE
ELLIS, KS 67637

Phone Nbr: (785) 259-3737
 Logged By: GEOLOGIST

Name: JEFF LAWLER

CONTRACTOR

Contractor: WW DRILLING, LLC
 Rig #: 10
 Rig Type: MUD ROTARY
 Spud Date: 11/23/2015
 TD Date: 11/27/2015
 Rig Release: 11/27/2015
 Time: 1:00 PM
 Time: 2:54 AM
 Time: 10:30 PM

ELEVATIONS

K.B. Elevation: 2140.00ft
 K.B. to Ground: 5.00ft
 Ground Elevation: 2135.00ft

NOTES

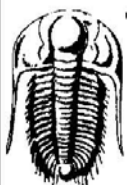
DUE TO ECONOMICAL RECOVERY ON DRILL STEM TEST #1 5 1/2" PRODUCTION CASING WAS CEMENTED TO FURTHER EVALUATE ZONES OF INTEREST.

RESPECTFULLY SUBMITTED,
 JEFF LAWLER

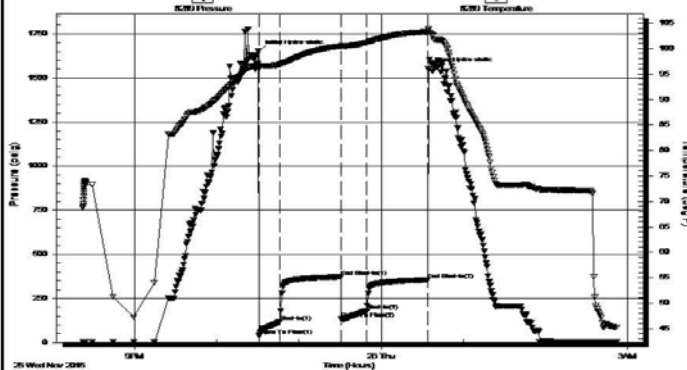
WELL COMPARISON SHEET

FORMATION	DAVIS - WIENS UNIT #1				WIENS #1				WIENS A #1				P&A 1-1985				P&A 1-2015			
	KB		GL		KB		KB		KB		KB		KB		KB		KB			
	2140		2135		2108		2198		2208		2208		2178		2178		2178			
	LOG TOPS	SAMPLE TOPS	LOG	SMPL.	LOG	SMPL.	LOG	SMPL.	LOG	SMPL.	LOG	SMPL.	LOG	SMPL.	LOG	SMPL.	LOG	SMPL.		
DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	
ANHYDRITE TOP	1713	427	1714	426	1677	431	-4	-5	1768	430	-3	-4	1807	401	+26	+25	1750	428	-1	-2
BASE	1745	395	1746	394	1710	398	-3	-4	1798	400	-5	-6					1786	392	+3	+2
TOPEKA	3115	-975	3119	-979	3078	-970	-5	-9	3178	-980	+5	+1	3193	-985	+10	+6	3162	-984	+9	+5
HEERNER SHALE	3319	-1179	3319	-1179	3286	-1178	-1	-1	3377	-1179	+0	+0	3395	-1187	+8	+8	3370	-1192	+13	+13
TORONTO	3342	-1202	3341	-1201	3307	-1199	-3	-2	3399	-1201	-1	+0					3393	-1215	+13	+14
LKC	3356	-1216	3358	-1218	3322	-1214	-2	-4	3415	-1217	+1	-1	3428	-1220	+4	+2	3408	-1230	+14	+12
BKC	3555	-1415	3558	-1418	3521	-1413	-2	-5	3618	-1420	+5	+2	3623	-1415	+0	-3	3611	-1433	+18	+15
WEATHERED ARBUCKLE					3564	-1456														
ARBUCKLE	3590	-1450	3594	-1454	3615	-1507	+57	+53	3685	-1487	+37	+33	3666	-1458	+8	+4				
GRANITE WASH																	3702	-1524		
TOTAL DEPTH	3598	-1458	3601	-1461	3658	-1550	+92	+89	3718	-1520	+62	+59	3775	-1567	+109	+106	3704	-1526	+68	+65

DST #1 TORONTO - LKC A 3318' - 3366'

 <p>TRILOBITE TESTING, INC.</p>	<p>DRILL STEM TEST REPORT</p>	
	<p>Jaspar Co 1681 Limestone Rd South P. O. Box 1120 Hays KS 67601 ATTN: Jeff Lawler</p>	<p>4 7s 20w Rooks Davis-Wiens Unit 1 Job Ticket: 61675 DST#: 1 Test Start: 2015.11.25 @ 20:22:00</p>
<p>GENERAL INFORMATION:</p>		
<p>Formation: Toronto & LKC "A" Deviated: No Whipstock: ft (KB) Time Tool Opened: 22:30:45 Time Test Ended: 02:52:00</p>	<p>Test Type: Conventional Bottom Hole (Initial) Tester: Jim Svaty Unit No: 76</p>	
<p>Interval: 3318.00 ft (KB) To 3366.00 ft (KB) (TVD) Total Depth: 3366.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair</p>	<p>Reference Elevations: 2144.00 ft (KB) 2139.00 ft (CF) KB to GR/CF: 5.00 ft</p>	
<p>Serial #: 8289 Outside Press@RunDepth: 178.53 psig @ 3331.00 ft (KB) Start Date: 2015.11.25 End Date: 2015.11.26 Start Time: 20:22:02 End Time: 02:52:00</p>	<p>Capacity: 8000.00 psig Last Calib.: 2015.11.26 Time On Btm: 2015.11.25 @ 22:30:30 Time Off Btm: 2015.11.26 @ 00:34:30</p>	
<p>TEST COMMENT: 15-IF- BOB in 3min. 45-ISI- Surface Blow Building to 1 1/4in. Died Back in 22min. 15-FF- BOB in 8 1/2min. 45-FSI Surface Blow Building to 1in. Died Back in 14min.</p>		

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.11	97.03	Initial Hydro-static
1	37.15	96.07	Open To Flow (1)
16	119.61	96.90	Shut-In(1)
61	371.64	100.50	End Shut-In(1)
61	135.64	100.39	Open To Flow (2)
79	178.53	101.20	Shut-In(2)
124	354.93	103.28	End Shut-In(2)
124	1552.76	103.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	OCM 45% 55% m	1.02
280.00	CO 100%	3.93
0.00	125 GIP	0.00

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 61675

Printed: 2015.11.26 @ 08:48:26

DST #2 LKC E - G 3420' - 3454'



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co
 1681 Limestone Rd South
 P. O. Box 1120
 Hays KS 67601
 ATTN: Jeff Lawler

4 7s 20w Rooks
Davis-Wiens Unit 1
 Job Ticket: 64751 **DST#: 2**
 Test Start: 2015.11.26 @ 11:24:00

GENERAL INFORMATION:

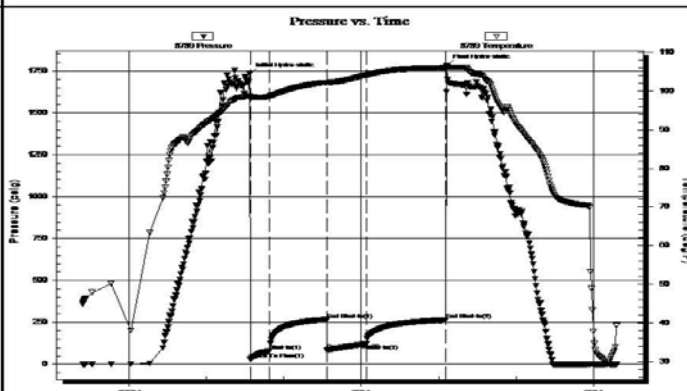
Formation: **LKC " EF & G "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:33:45
 Time Test Ended: 18:18:00
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Interval: **3420.00 ft (KB) To 3454.00 ft (KB) (TVD)**
 Total Depth: 3454.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 2144.00 ft (KB)
 2139.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8789

Inside

Press@RunDepth: 120.93 psig @ 3432.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.26 End Date: 2015.11.26 Last Calib.: 2015.11.26
 Start Time: 11:24:02 End Time: 18:18:00 Time On Btm: 2015.11.26 @ 13:33:30
 Time Off Btm: 2015.11.26 @ 16:06:15

TEST COMMENT: 15-IF- BOB in 15min.
 45-ISI- No Blow
 30-FF- Surface Blow Building to 2in. In 10min. Died Back in 18min.
 60-FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1733.29	98.78	Initial Hydro-static
1	28.28	97.87	Open To Flow (1)
16	80.08	98.61	Shut-In(1)
60	267.75	102.17	End Shut-In(1)
60	85.40	102.08	Open To Flow (2)
91	120.93	104.04	Shut-In(2)
152	265.00	106.00	End Shut-In(2)
153	1782.84	106.41	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbt)
212.00	Oil Speck MCW 15% m 85% w	1.89
15.00	OO	0.21

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

* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 64751

Printed: 2015.11.26 @ 21:18:52

ROCK TYPES

Cht	Lmst fw7> shale, gry	Carbon Sh	shale, red	Ss
Dolprim	shale, gry	Shblk	Arg/Shale	

ACCESSORIES

MINERAL

* Sandy

FOSSIL

◇ Oolite

STRINGER

^^^ Chert
 Sandstone
 red shale

OTHER SYMBOLS

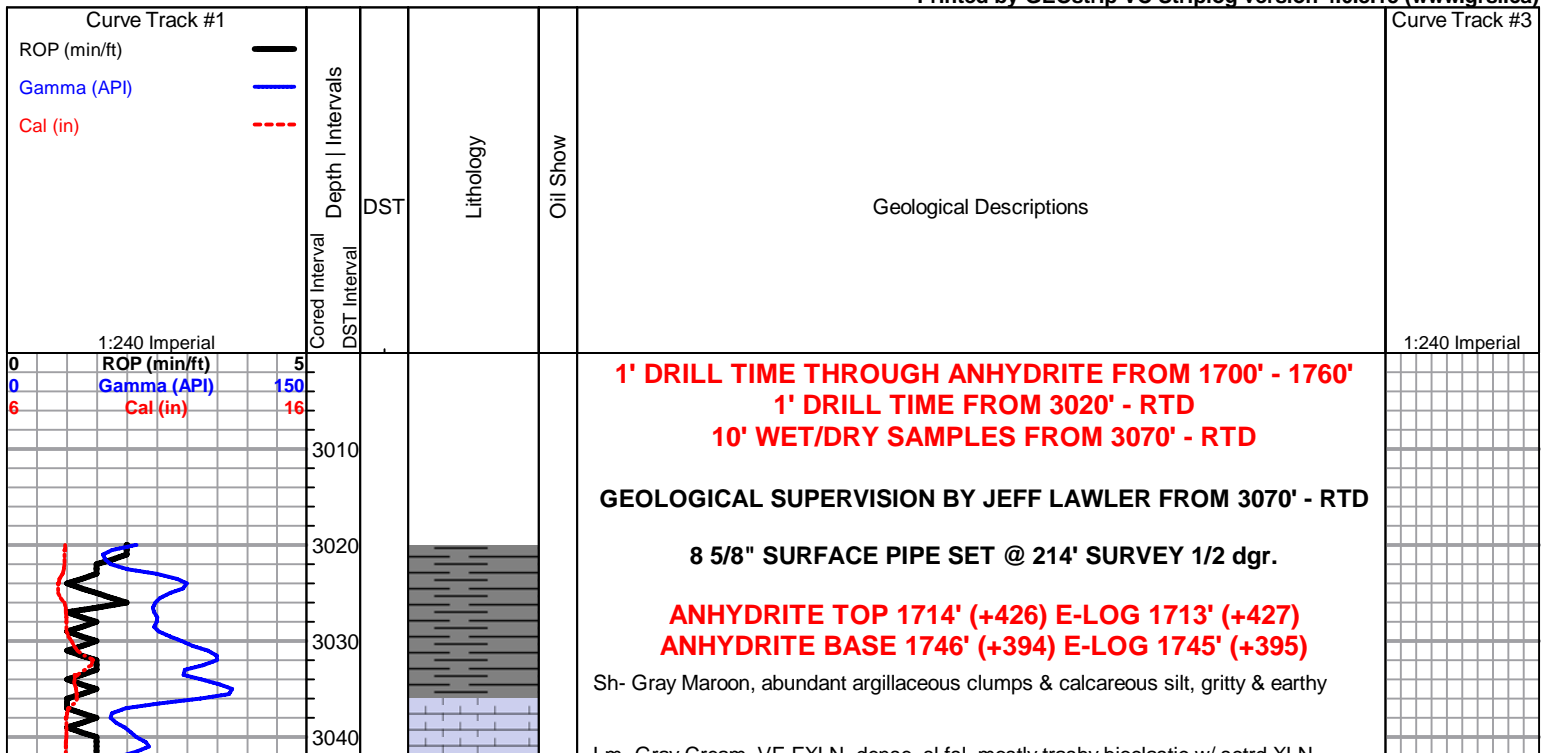
MISC

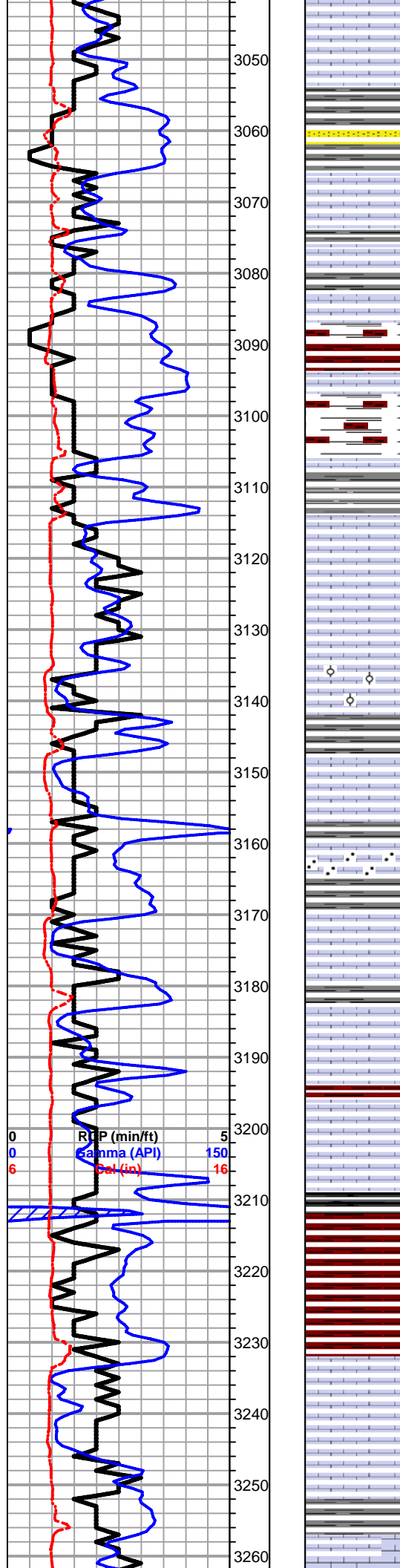
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Int
- DST alt

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





Lm- Gray Cream, VF-FXLN, dense, sl fsl, mostly trashy bioclastic w/ sctrd XLN porosity to poor vis. porosity, many loose crinoids, several pcs. of loosely cemented arenaceous Ls

3050

Sh- Gray White, abundant soft calcareous shale & white chalk

3060

Ss- Lt Gray, sl unconsolidated & well sorted, loosely cemented, micaceous, barren

3070

Lm- Cream, Vf grn, dense & vry well cemented, no vis. porosity, few w/ sctrd clear replacement cementation, vry clean

3080

Lm- Gray Off White, FXLN, massive, unconsolidated trashy bioclastic w/ fsl fragments, few sl arenaceous, poor vis. porosity

3090

Lm- Pepper spkld, mostly well cemented arenaceous Ls w/ poor vis. porosity, much argillaceous gray clumps & sandy shale

3100

Lm- A/A w/ cream oolitic Ls w/ sctrd XLN porosity, vry clean & barren, several pcs of trashy bioclastics w/ fsl fragments, abundant argillaceous maroon clumps

3110

Lm- Gray Buff Cream, VFXLN, dense, well cemented, few sl fsl, poorly dev. & tight w/ min. vis. porosity

Sh- Drk & Lt Gray, gummy argillaceous clumps & sandy shale

3120

TOPEKA 3119' (-979) 3-LOG 3115' (-975) Lm- Off White, VFXLN, dense, well cemented, gritty sl dolomitic Ls w/ dense micro XLN porosity, some sl chalky in part, vry clean, 2 PCS W/ DRK QUESTIONABLE EDGE STN, THICK & TARRY, NO ODR, NSFO

3130

Lm- Cream Off White, VF-FXLN, dense well cemented mix, several pcs of tight cherty Ls w/o vis. porosity & poorly dev. oolitic Ls. w/ sctrd XLN & clear reXLN secondary porosity, barren, much soft white chalk

3140

Lm- Buff Gray, F-MED XLN, trashy bioclastic w/ fsl fragments, sctrd XLN porosity, few sl chalky in part, gummy gray clumps & sandy shale/shaley Ss & black silty shale

3150

Lm- Lt Gray Cream, Fn Grn, loosely to well cemented arenaceous Ls w/ mostly consistent intergranular porosity, barren

3160

Lm- Cream Off White, FXLN, densely packed oolitic Ls w/ dense XLN porosity, some clear replacement cementation, vry clean & barren, much soft white chalk

3170

Lm- Buff Cream Gray, VF-FXLN, dense well cemented mix of sl fsl to fsl w/ min. vis. to sctrd XLN porosity, some soft white chalk, few chalky in part & loosely cemented, all barren

3180

Lm- Cream Off White, Fn Grn, loosely cemented & crumbly, chalky, sl fsl, poor vis. porosity

3190

Lm- Lt Gray Buff, VF-FXLN, dense, well cemented, fsl w/ sctrd to dense XLN porosity, few sl chalky in part, barren

3200

Sh- Black Gray, fissile & carbonaceous, abundant argillaceous wash

3210

Sh- Gray Maroon, sandy argillaceous washy, sl shaley Ss

3220

Lm- Cream Off White, VF-FXLN, fsl, dense, loosely to well cemented, few sl chalky in part, poor porosity, vry clean & barren

3230

Lm- Cream Off White, VF-FXLN, densely packed small oolitic Ls, some w/ sctrd clear replacement cementation, XLN porosity, vry clean & barren, few pcs sl chalky & crumbly

3240

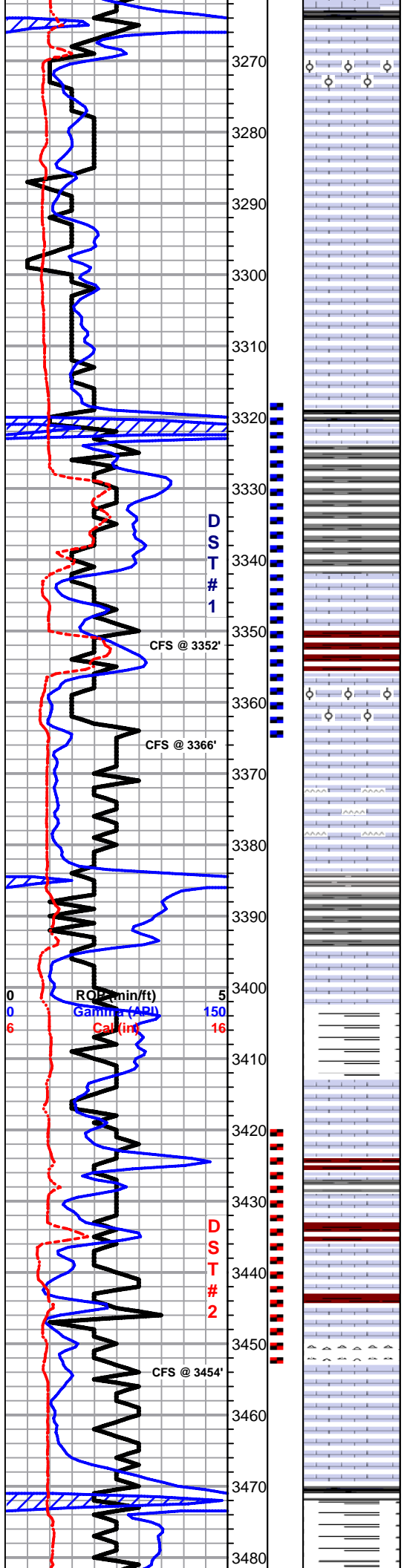
Sh- Gray, gummy argillaceous clumps

3250

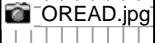
Lm- Gray Lt Green, Vf-Fn Grn, loosely cemented, mostly mud supported matrix w/ fusulinids. some XLN matrix. also crumbly w/ poor porosity

3260

TOPEKA....



Lm- Cream Off White, FXLN, mod. dev. oolitic w/ sctrd ppt & XLN inter oolite porosity, SCTRD TO SUB-SAT DRK STN, HVY SHEEN, FR ODR., SFO



Lm- Cream Off White, VFXLN Fn Grn, dense tight mix, some XLN matrix some mud supported matrix, all w/ poor vis. porosity, much soft white chalk

Lm- Cream, VFXLN, dense, well cemented dolomitic Ls w/ dense micro XLN porosity throughout, much soft white chalk, vry clean & barren

Lm- Lt Gray, FXLN, fsl, poorly dev. w/ sctrd XLN porosity, much soft white chalk

Lm- Cream Buff, VF-FXLN Vf Grn, dense tight mix, mostly mottled & poorly dev., some chalky mud supported matrix, fsl, all w/ poor vis. porosity, much soft white chalk

HEEBNER 3319' (-1179) E-LOG 3319' (-1179) Sh- Black Gray, fissile & carbonaceous, gummy argillaceous clumps

Sh- Drk & Lt Gray Maroon, dense & arenaceous, argillaceous wash, gritty & earthy

TORONTO 3341' (-1201) E-LOG 3342' (-1202) Lm- Cream Off White, F-MED XLN, fsl & oolitic, mod. well dev. w/ sctrd XLN & ppt inter fsl porosity, some sctrd reXLN w/in porosity, LT SCTRD STN, TR FO UPON CRUSH, WK ODR

LKC 3358' (-1218) E-LOG 3356' (-1216) Lm- Off White, FXLN, densely packed mod. dev. oolitic Ls, sctrd ppt inter oolite & XLN porosity, LT SCTRD STN, TR FO UPON CRUSH, FR ODR, much soft white chalk

Lm/Chert- White Off White, tight dense mix, all w/ min. vis. porosity, vry clean & barren, many pcs of soft white chalk/mud supported matrix

Sh- Black Gray Maroon, fissile & waxy, argillaceous clumps, dense & semi-waxy

Lm- Off White, F-MED XLN, well dev. oolitic Ls w/ mostly consistent ppt inter oolite porosity, some lesser dev. w/ sctrd ppt oolite porosity to sctrd XLN porosity, MOST W/ LT SCTRD TO SUB-SAT STN, HVY SHEEN, NSFO, FR ODR, POSSIBLY WET??

Sh- Maroon Gray, abundant argillaceous clumps, gritty & earthy

Lm- Cream Tan Buff, mix of sl fsl w/ fusulinids, sctrd dev. w/ XLN & sctrd ppt inter fsl porosity, some lesser dev. & sl tight w/ only sctrd XLN porosity, & few pcs. well dev. loosely cemented & semi-crumbly w/ dense consistent vry fn ppt porosity, ALL W/ SCTRD LT-DRK STN, SOME W/ FLAKEY STN, LT-MOD SHEEN, NSFO, WK-FR ODR

Lm- Tan Off White, VFXLN Vf Grn, dense tight mix, well cemented, sl fsl w/ poor sctrd XLN porosity, some soft mud supported matrix & chalk, all barren

Lm- Off White Cream, fsl, mod. dev. w/ semi-sctrd to dense fn ppt inter fsl porosity, sctrd reXLN w/in porosity, LT SCTRD STN, NSFO, FR ODR, much soft white chalk

3454' 20" - Cream Tan White Salmon, mix of gritty dolomitic chert w/ dense micro XLN porosity & fresh bedded vitreous chert
40" - Chert- A/A w/ sl incr. in tan dolomite/dolomitic chert
60" - A/A, little sample quantity

Lm- Buff Lt Gray, VFXLN, dense well cemented, mostly tight w/ min. vis. porosity, some soft white chalk

Sh- Black Gray, fissile & carbonaceous, argillaceous clumps

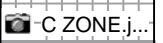
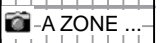
Sh- abundant argillaceous clumps & wash

SHORT TRIP STRAP +0.72' SURVEY 3/4 dgr.

DST #1 TORONTO-LKC A 3318' - 3366' 15-45-15-45

430' TOTAL FLUID 125' GIP 150' OCM (45%O) 280' CLEAN OIL 33 GRAVITY

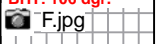
IFP: 37-119# FFP: 135-178# SIP: 371-354# BHT: 104 dgr.

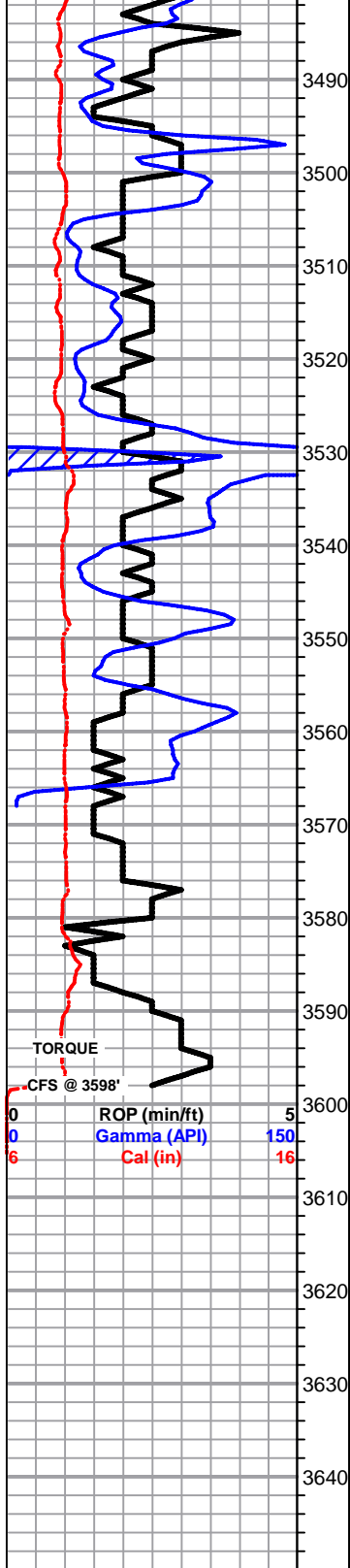


DST #2 LKC E - G 3420' - 3454' 15-45-30-60

227' TOTAL FLUID 15' CLEAN OIL 212' OSPMCW (85%W, 15%M)

IFP: 28-80# FFP: 85-120# SIP: 267-265# BHT: 106 dgr.





Lm- Cream Off White Tan, VF-FXLN, mix of tight well cemented w/ min. vis. porosity, fsl fsl w/ sctrd ppt & XLN inter fsl porosity, LT SCTRDR STN, LT SHEEN (POSSIBLY WET), NSFO, FNT ODR, & several of soft white chalk



Sh- Maroon Gray, gritty & earthy, argillaceous clumps

Lm- Cream Off White Buff, VF-FXLN, mix of sl fsl w/ sctrd XLN & ppt inter fsl porosity, sl oolitic, LT SCTRDR STN, NSFO, NO ODR, mostly tight & poorly dev. w/ min. vis. to sctrd XLN porosity, barren



Lm- Cream Off White Tan, VF-FXLN, mix of mod. dev. fsl & oolitic w/ sctrd to dense ppt inter fsl/oolite & XLN porosity, SCTRDR TO SAT DRK STN, TR FO, FR ODR, HVY SHEEN, mostly tight w/ poor vis porosity



Sh- Black Gray Green Maroon, fissile & carbonaceous, gritty & earthy, dense & waxy

Lm- Off White, Vf Grn VF-FXLN, dense, mostly tight w/ poor vis. porosity, several pcs of loosely cemented & crumbly, soft white chalk, vry clean & barren

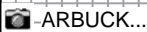
Lm- Cream Yellow Off White, VF-FXLN, densely packed sl unconsolidated oolitic Ls w/ sctrd micro XLN porosity, barren

BKC 3558' (-1418) E-LOG 3555' (-1415) Sh- Maroon Gray, gritty & earthy, gummy argillaceous clumps

Sh/Ss- abundant argillaceous maroon clumps & waxy gray slivers, maroon sl shaley Ss, mod. cementation, consolidated & well sorted fn grn, consistent intergranular porosity, barren

Lm- Cream Off White, VF-FXLN, sl fsl, poorly dev. w/ sctrd XLN porosity, few pcs w/ lt glauconite spkng

ARBUCKLE 3594' (-1454) E-LOG 3590' (-1450) Dol/Lm- Cream Off White, mix of VF-FXLN well cemented sl dolomitic Lm w/ sctrd micro XLN porosity & sub-rounded clear qtz. inclusions, barren, Cream Off White mod. to well dev. sub-sucrosic dolomite w/ rare to dense ppt interXLN porosity, DRK STN, FR-GD SFO, GD SULPHURIC ODR



SHORT TRIP
CTCH
SURVEY 1 dgr.
TOH FOR LOG

RTD 3598' (-1458) LTD 3600' (-1460) @ 02:54 11/27/2015



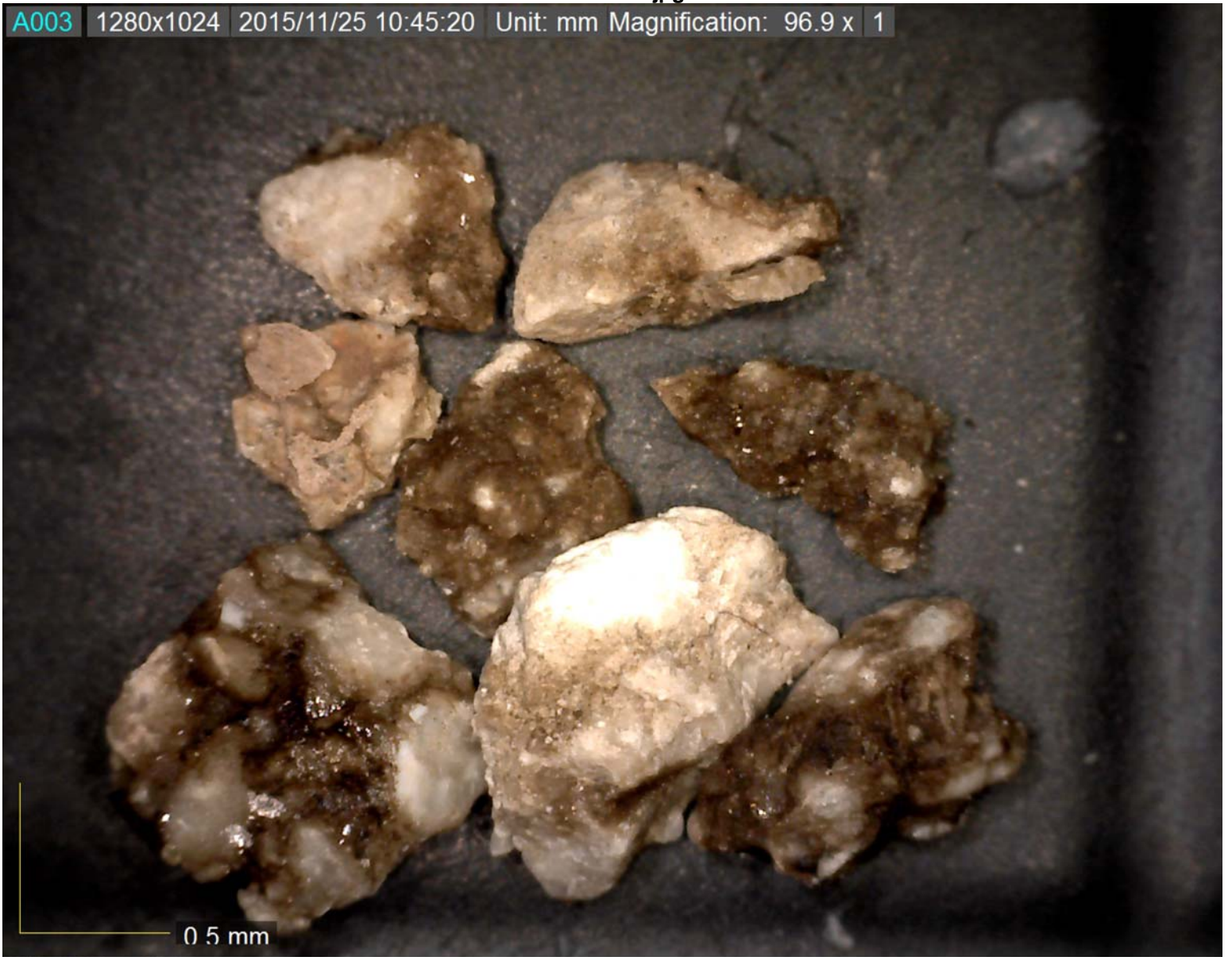
0.2 mm

TOPEKA X 30



0.5 mm

OREAD x 25

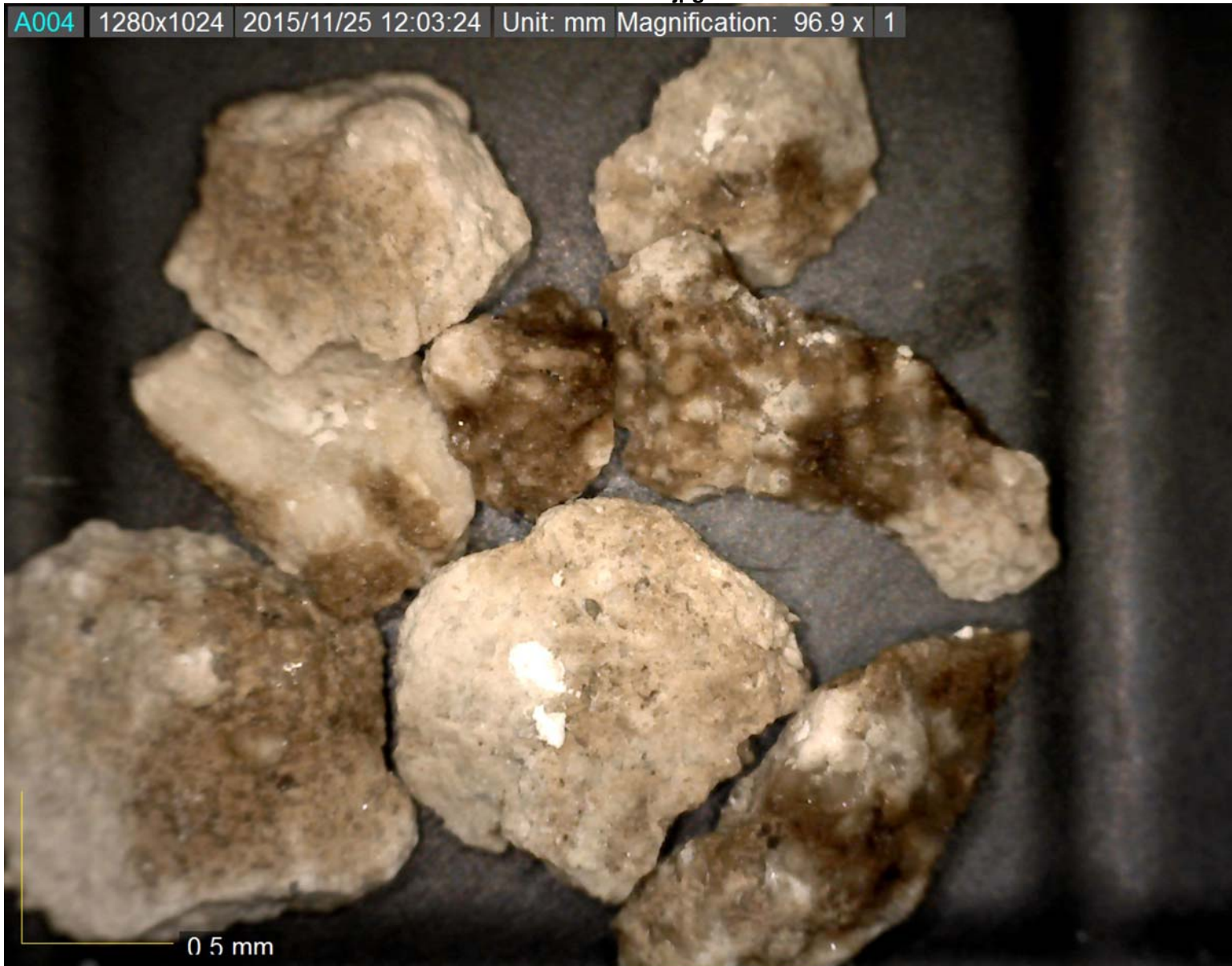


0.5 mm

TORONTO X 25

A ZONE X 20.jpg

A004 1280x1024 2015/11/25 12:03:24 Unit: mm Magnification: 96.9 x 1



IKC A X20

C ZONE.jpg

A005 1280x1024 2015/11/26 07:51:45 Unit: mm Magnification: 77.5 x 1



C zone x 20



D ZONE X 20



0.5 mm

F ZONE X 20



0.5 mm

H ZONE X 20

i.jpg

A009 1280x1024 2015/11/27 01:15:56 Unit: mm Magnification: 77.5 x 1



0.5 mm

I ZONE X 20



0.5 mm



0.5 mm

ARBUCKLE F X 20

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Jay Scott Emler, Chairman
Shari Feist Albrecht, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

April 04, 2016

SHANE VEHIGE
Jaspar Co.
1681 LIMESTONE ROAD SOUTH
PO BOX 1120
HAYS, KS 67601

Re: ACO-1
API 15-163-24310-00-00
Davis-Wiens Unit 1
SE/4 Sec.04-07S-20W
Rooks County, Kansas

Dear SHANE VEHIGE:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/23/2015 and the ACO-1 was received on April 04, 2016 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



DRILL STEM TEST REPORT

Prepared For: **Jaspar Co**
PO Box 1120
Hays KS 67601

ATTN: Jeff Lawler

Davis-Wiens Unit #1

4 7s 20w Rooks,KS

Start Date: 2015.11.25 @ 20:22:00

End Date: 2015.11.26 @ 02:52:00

Job Ticket #: 61675 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.11.27 @ 09:45:05

Jaspar Co
4 7s 20w Rooks,KS
Davis-Wiens Unit #1
DST # 1
Toronto & LKC " A "
2015.11.25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Jeff Lawler

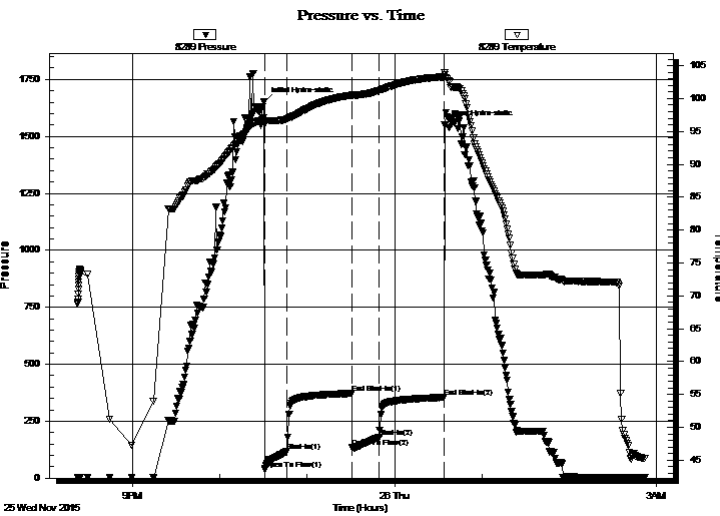
4 7s 20w Rooks,KS
Davis-Wiens Unit #1
Job Ticket: 61675 **DST#: 1**
Test Start: 2015.11.25 @ 20:22:00

GENERAL INFORMATION:

Formation: **Toronto & LKC " A "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:30:45
Time Test Ended: 02:52:00
Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 76
Interval: **3318.00 ft (KB) To 3366.00 ft (KB) (TVD)**
Reference Elevations: 2144.00 ft (KB)
Total Depth: 3366.00 ft (KB) (TVD) 2139.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8289 Outside
Press@RunDepth: 178.53 psig @ 3331.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.25 End Date: 2015.11.26 Last Calib.: 2015.11.26
Start Time: 20:22:02 End Time: 02:52:00 Time On Btm: 2015.11.25 @ 22:30:30
Time Off Btm: 2015.11.26 @ 00:34:30

TEST COMMENT: 15-IF- BOB in 3 min.
45-ISI- Surface Blow Building to 1 1/4". Died Back in 22 min.
15-FF- BOB in 8 1/2 min.
45-FSI Surface Blow Building to 1" Died Back in 14 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.11	97.03	Initial Hydro-static
1	37.15	96.07	Open To Flow (1)
16	119.61	96.90	Shut-In(1)
61	371.64	100.50	End Shut-In(1)
61	135.64	100.39	Open To Flow (2)
79	178.53	101.20	Shut-In(2)
124	354.93	103.28	End Shut-In(2)
124	1552.76	103.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	OCM45%o 55%m	1.02
280.00	CO 100%	3.93
0.00	125 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Jaspar Co

4 7s 20w Rooks,KS

PO Box 1120
Hays KS 67601

Davis-Wiens Unit #1

ATTN: Jeff Lawler

Job Ticket: 61675

DST#: 1

Test Start: 2015.11.25 @ 20:22:00

GENERAL INFORMATION:

Formation: **Toronto & LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:30:45

Time Test Ended: 02:52:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: **3318.00 ft (KB) To 3366.00 ft (KB) (TVD)**

Reference Elevations: 2144.00 ft (KB)

Total Depth: 3366.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8789 **Inside**

Press@RunDepth: psig @ 3331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.25 End Date: 2015.11.26

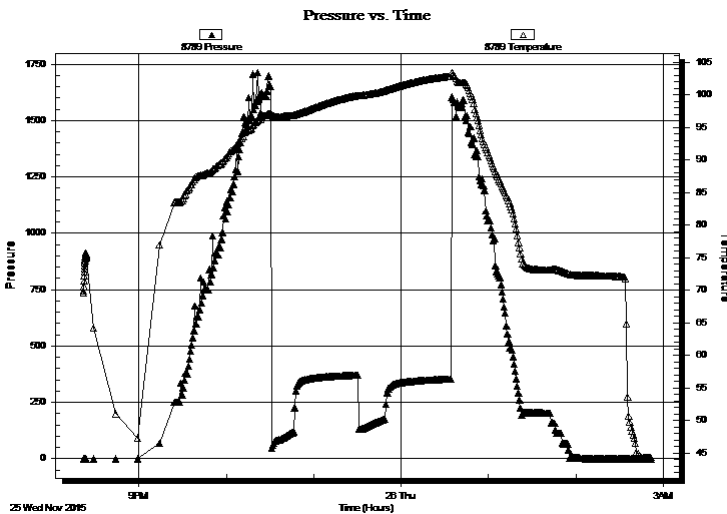
Last Calib.: 2015.11.26

Start Time: 20:22:02 End Time: 02:51:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF- BOB in 3 min.
45-ISI- Surface Blow Building to 1 1/4". Died Back in 22 min.
15-FF- BOB in 8 1/2 min.
45-FSI Surface Blow Building to 1" Died Back in 14 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	OCM 45% @ 55% m	1.02
280.00	CO 100%	3.93
0.00	125 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Jeff Lawler

4 7s 20w Rooks,KS
Davis-Wiens Unit #1
Job Ticket: 61675 **DST#: 1**
Test Start: 2015.11.25 @ 20:22:00

Tool Information

Drill Pipe:	Length: 3188.00 ft	Diameter: 3.80 inches	Volume: 44.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 45.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3318.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	69.00 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			3298.00	
Shut In Tool	5.00			3303.00	
Hydraulic tool	5.00			3308.00	
Packer	5.00			3313.00	21.00 Bottom Of Top Packer
Packer	5.00			3318.00	
Stubb	1.00			3319.00	
Perforations	11.00			3330.00	
Change Over Sub	1.00			3331.00	
Recorder	0.00	8789	Inside	3331.00	
Recorder	0.00	8289	Outside	3331.00	
Blank Spacing	31.00			3362.00	
Change Over Sub	1.00			3363.00	
Bullnose	3.00			3366.00	48.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Jeff Lawler

4 7s 20w Rooks,KS
Davis-Wiens Unit #1
Job Ticket: 61675 **DST#: 1**
Test Start: 2015.11.25 @ 20:22:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.18 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1650.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

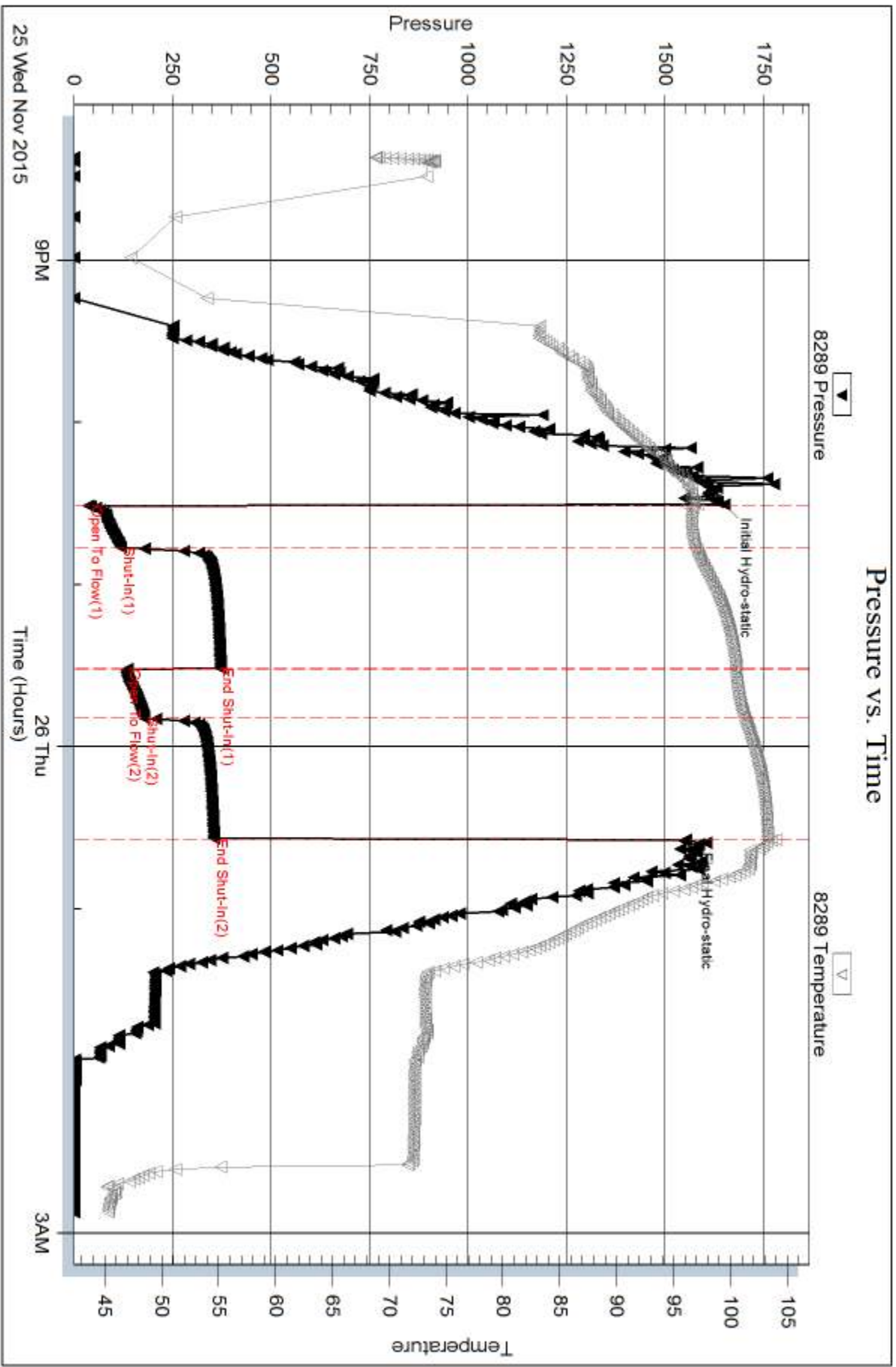
Length ft	Description	Volume bbl
150.00	OCM 45%o 55%m	1.020
280.00	CO 100%	3.928
0.00	125 GIP	0.000

Total Length: 430.00 ft Total Volume: 4.948 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

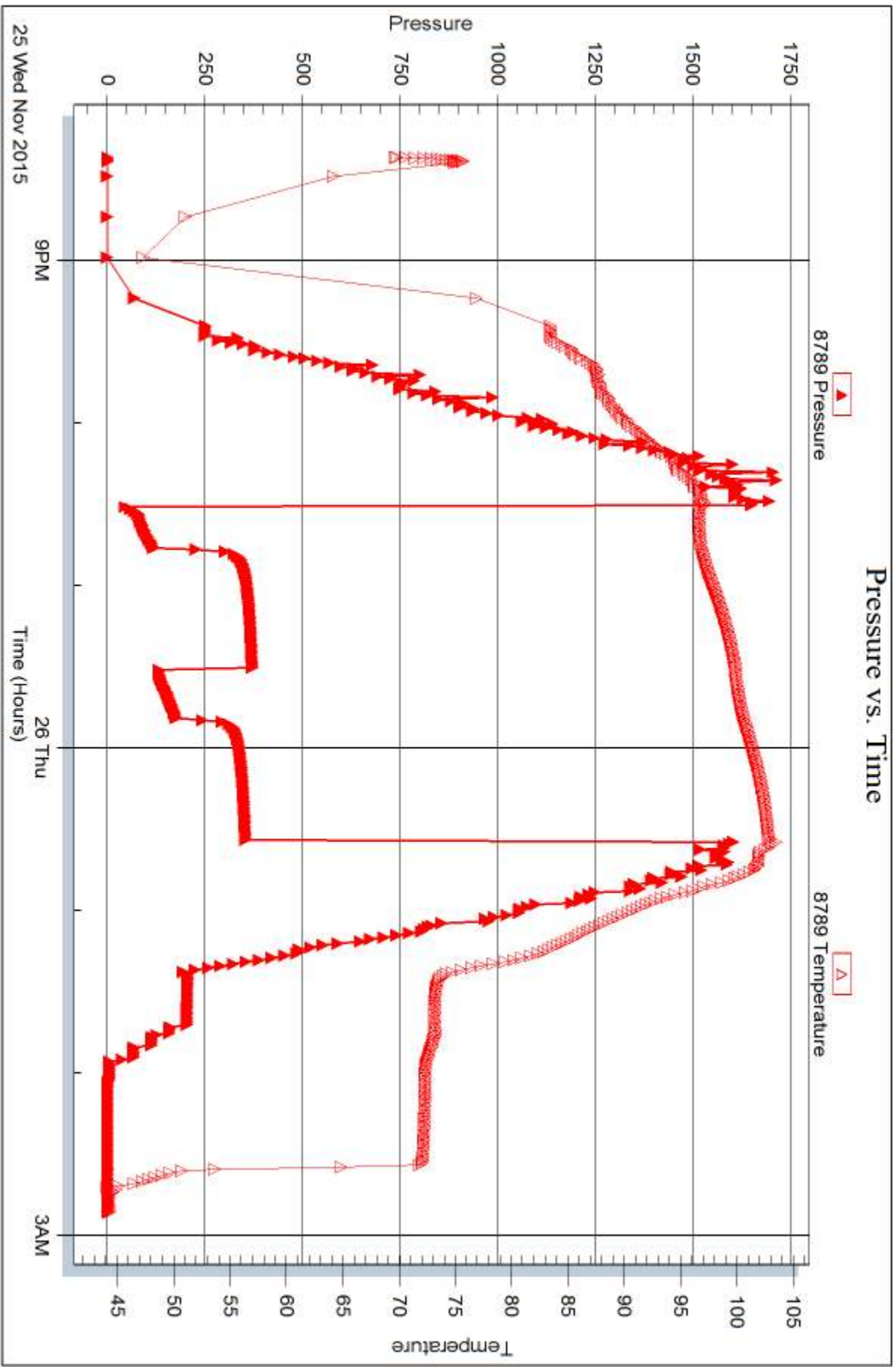


Serial #: 8789

Inside Jasper Co

Davis-Wens Unit #1

DST Test Number: 1



Trickle Testing, Inc

Ref. No: 61675

Printed: 2015.11.27 @ 09:45:07



DRILL STEM TEST REPORT

Prepared For: **Jaspar Co**
PO Box 1120
Hays KS 67601

ATTN: Jeff Lawler

Davis-Wiens Unit #1

4 7s 20w Rooks,KS

Start Date: 2015.11.26 @ 11:24:00

End Date: 2015.11.26 @ 18:18:00

Job Ticket #: 64751 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.11.27 @ 09:44:42

Jaspar Co
4 7s 20w Rooks,KS
Davis-Wiens Unit #1
DST # 2
LKC " E - G "
2015.11.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Jeff Lawler

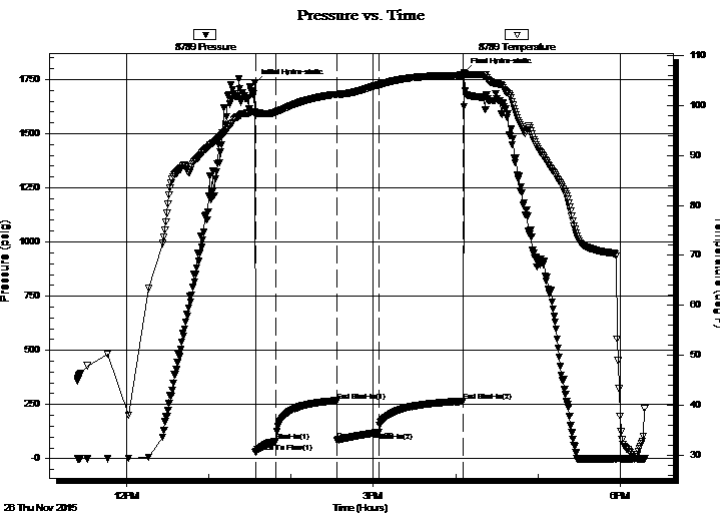
4 7s 20w Rooks,KS
Davis-Wiens Unit #1
Job Ticket: 64751 **DST#: 2**
Test Start: 2015.11.26 @ 11:24:00

GENERAL INFORMATION:

Formation: **LKC " E - G "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:33:45
Time Test Ended: 18:18:00
Interval: **3420.00 ft (KB) To 3454.00 ft (KB) (TVD)**
Total Depth: 3454.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 2144.00 ft (KB)
2139.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8789 **Inside**
Press@RunDepth: 120.93 psig @ 3432.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.26 End Date: 2015.11.26 Last Calib.: 2015.11.26
Start Time: 11:24:02 End Time: 18:18:00 Time On Btm: 2015.11.26 @ 13:33:30
Time Off Btm: 2015.11.26 @ 16:06:15

TEST COMMENT: 15-IF- BOB in 15 min.
45-ISI- No Blow
30-FF- Surface Blow Building to 2" In 10 min. Died Back in 18 min.
60-FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1733.29	98.78	Initial Hydro-static
1	28.28	97.87	Open To Flow (1)
16	80.08	98.61	Shut-In(1)
60	267.75	102.17	End Shut-In(1)
60	85.40	102.08	Open To Flow (2)
91	120.93	104.04	Shut-In(2)
152	265.00	106.00	End Shut-In(2)
153	1782.84	106.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
212.00	Oil Speck MCW 15% m 85% w	1.89
15.00	CO	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Jeff Lawler

4 7s 20w Rooks,KS
Davis-Wiens Unit #1
Job Ticket: 64751 **DST#: 2**
Test Start: 2015.11.26 @ 11:24:00

Tool Information

Drill Pipe:	Length: 3312.00 ft	Diameter: 3.80 inches	Volume: 46.46 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	58000.00 lb
			<u>Total Volume: 47.05 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	3420.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	55.00 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			3400.00	
Shut In Tool	5.00			3405.00	
Hydraulic tool	5.00			3410.00	
Packer	5.00			3415.00	21.00 Bottom Of Top Packer
Packer	5.00			3420.00	
Stubb	1.00			3421.00	
Perforations	11.00			3432.00	
Recorder	0.00	8789	Inside	3432.00	
Recorder	0.00	8289	Outside	3432.00	
Perforations	19.00			3451.00	
Bullnose	3.00			3454.00	34.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Jeff Lawler

4 7s 20w Rooks,KS
Davis-Wiens Unit #1
Job Ticket: 64751 **DST#: 2**
Test Start: 2015.11.26 @ 11:24:00

Mud and Cushion Information

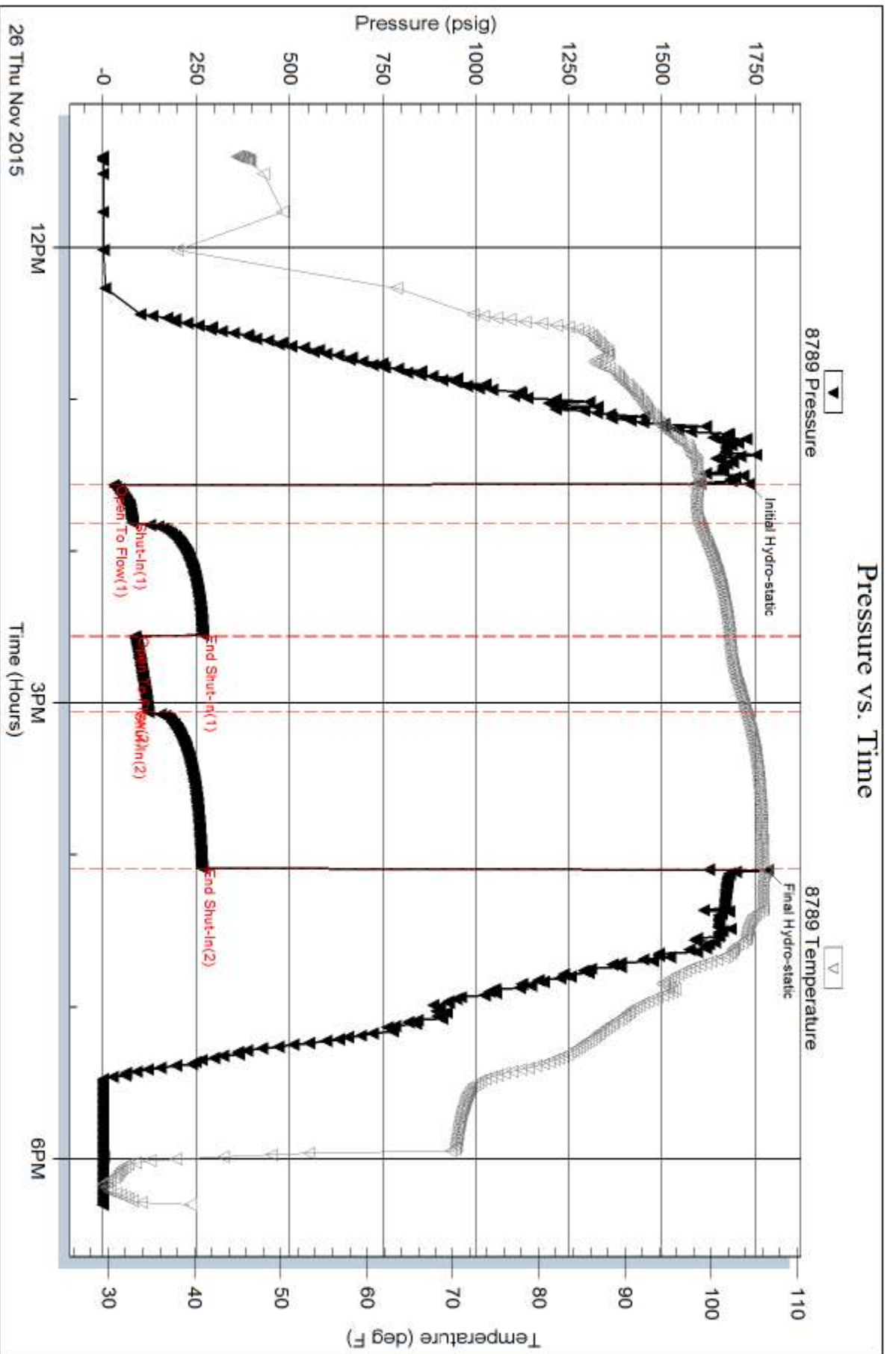
Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 90000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
212.00	Oil Speck MCW 15%m 85%w	1.890
15.00	CO	0.210

Total Length: 227.00 ft Total Volume: 2.100 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .180 @ 35





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61675

Well Name & No. DAVIS-WIENS UNIT #1 Test No. 1 Date 11-25-15
 Company JASPAR Co Elevation 2144 KB 2139 GL
 Address 1681 Limestone Rd South Box 1120 HAYS KS 67601
 Co. Rep / Geo. JEFF LAWLER Rig WTW 8
 Location: Sec. 4 Twp. 7^s Rge. 20^w Co. ROOKS State KS

Interval Tested 3318-3366 Zone Tested Toronto & LRC "A"
 Anchor Length 48 Drill Pipe Run 3188 Mud Wt. 9.1
 Top Packer Depth 3313 Drill Collars Run 119 Vis 56
 Bottom Packer Depth 3318 Wt. Pipe Run 0 WL 7.2
 Total Depth 3366 Chlorides 1650 ppm System LCM TR

Blow Description IF - BOB in 3min.
FSI - Surface Blow Building to 1 1/4 in. Died Back in 22min.
FF - BOB in 8 1/2 min.
FSI - Surface Blow Building to 1 in. Died Back in 14min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>OCM</u>	<u>45</u>		<u>55</u>	
<u>280</u>	<u>CO</u>	<u>100</u>			
	<u>125 DIP</u>				

Rec Total 430 BHT 104 Gravity 33 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1651 Test 1050 T-On Location 15:40
 (B) First Initial Flow 37 Jars _____ T-Started 20:22
 (C) First Final Flow 119 Safety Joint _____ T-Open 22:31
 (D) Initial Shut-In 371 Circ Sub _____ T-Pulled 00:31
 (E) Second Initial Flow 135 Hourly Standby _____ T-Out 02:52
 (F) Second Final Flow 178 Mileage 117 RT Comments _____
 (G) Final Shut-In 354 Sampler _____
 (H) Final Hydrostatic 1552 Straddle _____

Initial Open 15 Ruined Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 15 Extra Packer _____
 Final Shut-In 45 Extra Copies _____
 Sub Total 0
 Total 1167
 MP/DST Disc't Brannon
 Sub Total 1167

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64751**

Well Name & No. Davis-Wiens Unit #1 Test No. 2 Date 11-26-15
 Company JASPAR Co. Elevation 2144 KB 2139 GL
 Address 1681 Limestone Rd South Box 1120 Hays KS 67601
 Co. Rep / Geo. JEFF LAWLER Rig WW 8
 Location: Sec. 4 Twp. 75 Rge. 20^w Co. ROOKS State KS

Interval Tested 3420-3454 Zone Tested LKC "EF4A"
 Anchor Length 34 Drill Pipe Run 3312 Mud Wt. 9.2
 Top Packer Depth 3415 Drill Collars Run 119 Vis 55
 Bottom Packer Depth 3420 Wt. Pipe Run 0 WL 7.2
 Total Depth 3454 Chlorides 2000 ppm System LCM TR

Blow Description IF - BOB in 15 min.
IST - No Blow
FF - Surface Blow Building to 2 in. In 10 min. Died Back in 18 min.
FSTI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>212</u>	<u>Oil speck m CW</u>		<u>85</u>	<u>15</u>	
<u>15</u>	<u>CO</u>	<u>100</u>			

Rec Total 227 BHT 106 Gravity 36 API RW 180 @ 35 °F Chlorides 90,000 ppm

(A) Initial Hydrostatic	<u>1733</u>	<input checked="" type="checkbox"/> Test	<u>1050</u>	T-On Location	<u>11:20</u>
(B) First Initial Flow	<u>28</u>	<input type="checkbox"/> Jars		T-Started	<u>11:24</u>
(C) First Final Flow	<u>80</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>13:34</u>
(D) Initial Shut-In	<u>267</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>16:04</u>
(E) Second Initial Flow	<u>85</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>18:18</u>
(F) Second Final Flow	<u>120</u>	<input checked="" type="checkbox"/> Mileage	<u>117</u>	Comments	
(G) Final Shut-In	<u>265</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1782</u>	<input type="checkbox"/> Straddle			

Initial Open	<u>15</u>	<input type="checkbox"/> Ruined Shale Packer	
Initial Shut-In	<u>45</u>	<input type="checkbox"/> Ruined Packer	
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Packer	
Final Shut-In	<u>60</u>	<input type="checkbox"/> Extra Recorder	
		<input type="checkbox"/> Day Standby	
		<input type="checkbox"/> Accessibility	
Sub Total	<u>1167</u>	Sub Total	<u>0</u>
		Total	<u>1167</u>
		MP/DST Disc't	

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1859

Date	11-27-15	Sec.	4	Twp.	7	Range	20	County	Rooks	State	KS	On Location		Finish	10:45 PM		
Lease								Well No. #1		Owner							
Contractor								WW 8		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.							
Type Job								Production string		Charge To							
Hole Size								7 7/8		T.D.		35 940				Jasper Company	
Csg.								5 1/2		Depth		35 97				Street	
Tbg. Size										Depth						City	
Tool										Depth						State	
Cement Left in Csg.								20.20		Shoe Joint		20.20				The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line								Displace		85 bbl				Cement Amount Ordered			
														425 QMDC 1/4 fdo			
														150 com 10% Salt 5% Gilsomite			
EQUIPMENT												Common					
Pumptrk		18		No.		Cement		Helper		Brett		Travis		Poz. Mix		425 8 3/20 Qmdc	
Bulktrk		15		No.		Driver		Doug						Gel.			
Bulktrk		21		No.		Driver		Rick						Calcium			
JOB SERVICES & REMARKS												Hulls					
Remarks:								Salt				13					
Rat Hole - 30sr								Flowseal				112#					
Mouse Hole								Kol-Seal				750#					
Centralizers								Mud CLR 48				- 500 Gal					
Baskets								CFL-117 or CD110 CAF 38									
D/V or Port Collar								Sand									
								Handling				595					
Ran 3597 ft of 5 1/2 + Est. Cir								Mileage				5 1/2					
Mix 500 gal Mud Flush								FLOAT EQUIPMENT									
Plugged Rat hole								Guide Shoe									
Mix 395x QMDC tailed by								Centralizer - 8									
150sx 10% Salt 5% Gilsomite								Baskets - 8									
Displaced 85 bbl								AFU Inserts									
Cement Circulated								Float Shoe - 1									
Lit pressure @ 1000/lbs								Latch Down - 1									
Land @ 2000 lbs								Pumptrk Charge				prod string					
Plug hole								Mileage				50					
Signature: <i>[Signature]</i>												Tax					
												Discount					
												Total Charge					

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1297

Date	11-22-15	Sec.	4	Twp.	7	Range	20	County	Rooks	State	Ks	On Location		Finish	5:00 PM
Lease	Davis - Wiens unit							Location	Logan Rd - 2N to H Rd, 3/4 E, N into on east side of tanks						
Contractor	W W 8							Well No.	2						
Type Job	Surface							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.						
Hole Size	12 1/4"			T.D.	218'			Charge To	Jaspac Oil Company						
Csg.	8 5/8"			Depth	218'			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.	15'			Shoe Joint	15'			Cement Amount Ordered	150 80/20 3+2						
Meas Line				Displace	12 3/4 BLS										
EQUIPMENT								Common	120						
Pumptrk	18	No.		Cementer	Tavis			Helper	30						
Bulktrk	14	No.		Driver	Doug			Gel.	3						
Bulktrk	p.u	No.		Driver	Rick			Calcium	6						
JOB SERVICES & REMARKS								Hulls							
Remarks:	Cement did Circulate							Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
								Handling	159						
								Mileage							
								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge	Surface						
								Mileage	50						
								Tax							
								Discount							
								Total Charge							
Signature 