

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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](mailto: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 Geologist Report / Mud Logs <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
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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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Triple Crown Operating  
 2201 S Utica Pl Ste 100  
 Tulsa, OK 74114  
 ATTN: Pat Deenihan

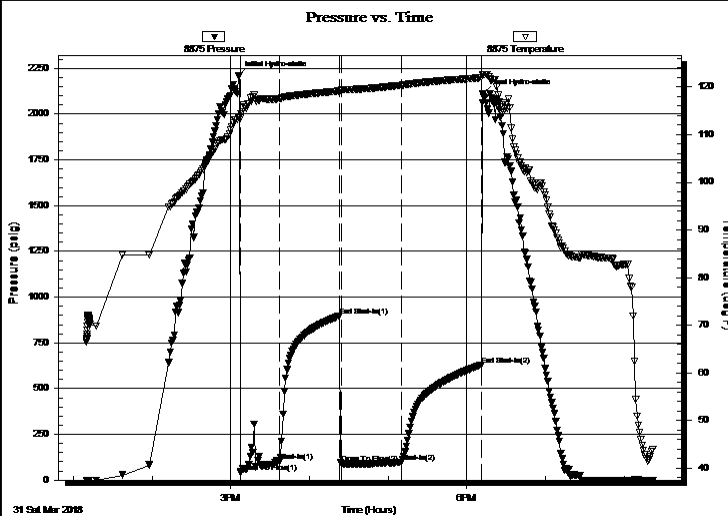
**3-20S-24W Ness**  
**Lane Trust 1-3**  
 Job Ticket: 59851 **DST#: 1**  
 Test Start: 2018.03.31 @ 13:10:07

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:07:24  
 Time Test Ended: 20:22:09  
 Interval: **4317.00 ft (KB) To 4380.00 ft (KB) (TVD)**  
 Total Depth: 4380.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 2304.00 ft (KB)  
 2298.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 8875 Inside**  
 Press@RunDepth: 97.69 psig @ 4318.00 ft (KB) Capacity: psig  
 Start Date: 2018.03.31 End Date: 2018.03.31 Last Calib.: 2018.03.31  
 Start Time: 13:10:08 End Time: 20:22:09 Time On Btm: 2018.03.31 @ 15:05:54  
 Time Off Btm: 2018.03.31 @ 18:12:24

**TEST COMMENT:** IF: Fair Blow , Built to 7 1/2 inches  
 IS: No Blow Back  
 FF: Fair Blow , Built to 8 1/2 inches  
 FS: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.45	113.51	Initial Hydro-static
2	43.68	113.50	Open To Flow (1)
32	105.06	117.55	Shut-In(1)
78	897.76	119.16	End Shut-In(1)
79	91.81	119.40	Open To Flow (2)
124	97.69	120.36	Shut-In(2)
186	630.59	121.98	End Shut-In(2)
187	2113.87	122.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	64 GIP	0.00
165.00	GOCM 10%G 30%O 60%M	1.27
5.00	Oil	0.07

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Triple Crown Operating  
 2201 S Utica Pl Ste 100  
 Tulsa, OK 74114  
 ATTN: Pat Deenihan

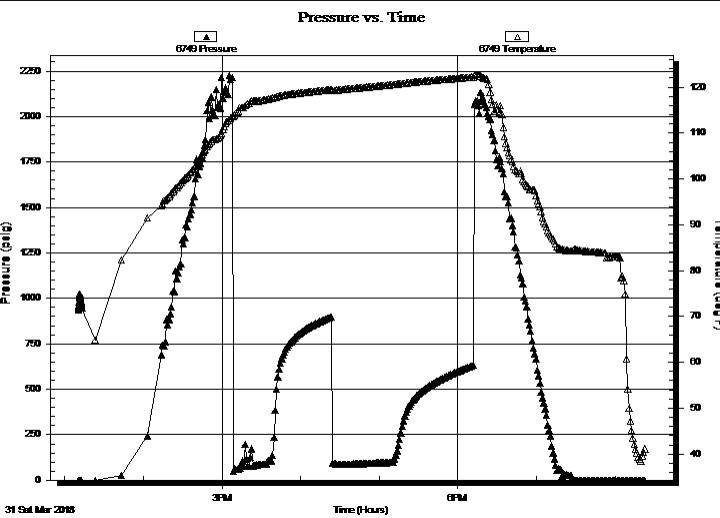
**3-20S-24W Ness**  
**Lane Trust 1-3**  
 Job Ticket: 59851 **DST#: 1**  
 Test Start: 2018.03.31 @ 13:10:07

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:07:24  
 Time Test Ended: 20:22:09  
 Interval: **4317.00 ft (KB) To 4380.00 ft (KB) (TVD)**  
 Total Depth: 4380.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 2304.00 ft (KB)  
 2298.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 6749 Outside**  
 Press@RunDepth: psig @ 4318.00 ft (KB) Capacity: psig  
 Start Date: 2018.03.31 End Date: 2018.03.31 Last Calib.: 2018.03.31  
 Start Time: 13:10:38 End Time: 20:22:39 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Fair Blow , Built to 7 1/2 inches  
 IS: No Blow Back  
 FF: Fair Blow , Built to 8 1/2 inches  
 FS: No Blow Back



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	64 GIP	0.00
165.00	GOCM 10%G 30%O 60%M	1.27
5.00	Oil	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Triple Crown Operating  
2201 S Utica Pl Ste 100  
Tulsa, OK 74114  
ATTN: Pat Deenihan

**3-20S-24W Ness**  
**Lane Trust 1-3**  
Job Ticket: 59851      **DST#: 1**  
Test Start: 2018.03.31 @ 13:10:07

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 0.02 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	64 GIP	0.000
165.00	GOCM 10%G 30%O 60%M	1.267
5.00	Oil	0.070

Total Length: 170.00 ft      Total Volume: 1.337 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Gravity was 35.4 @ 40 degrees

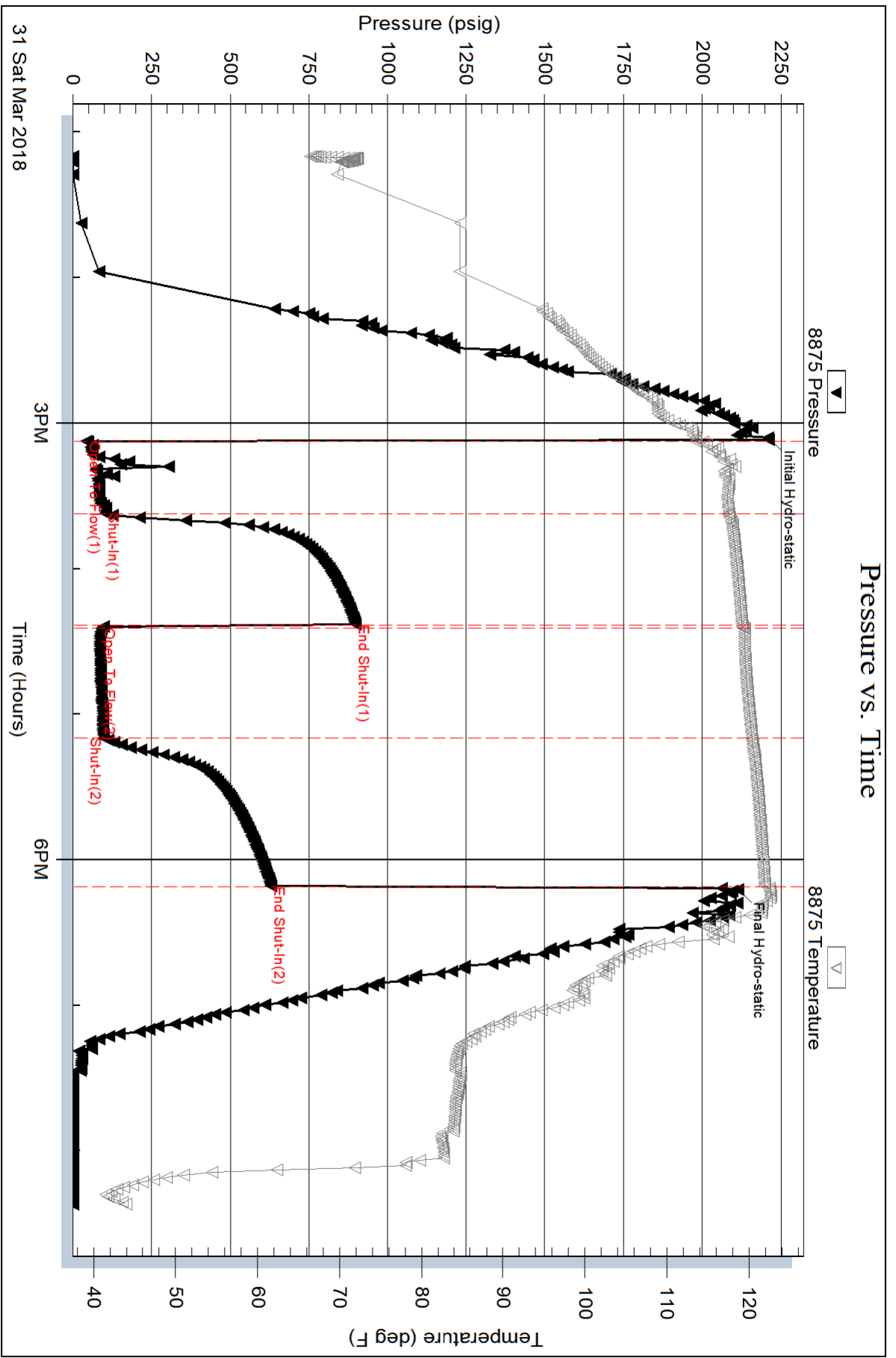
Serial #: 8875

Inside

Triple Crown Operating

Lane Trust 1-3

DST Test Number: 1

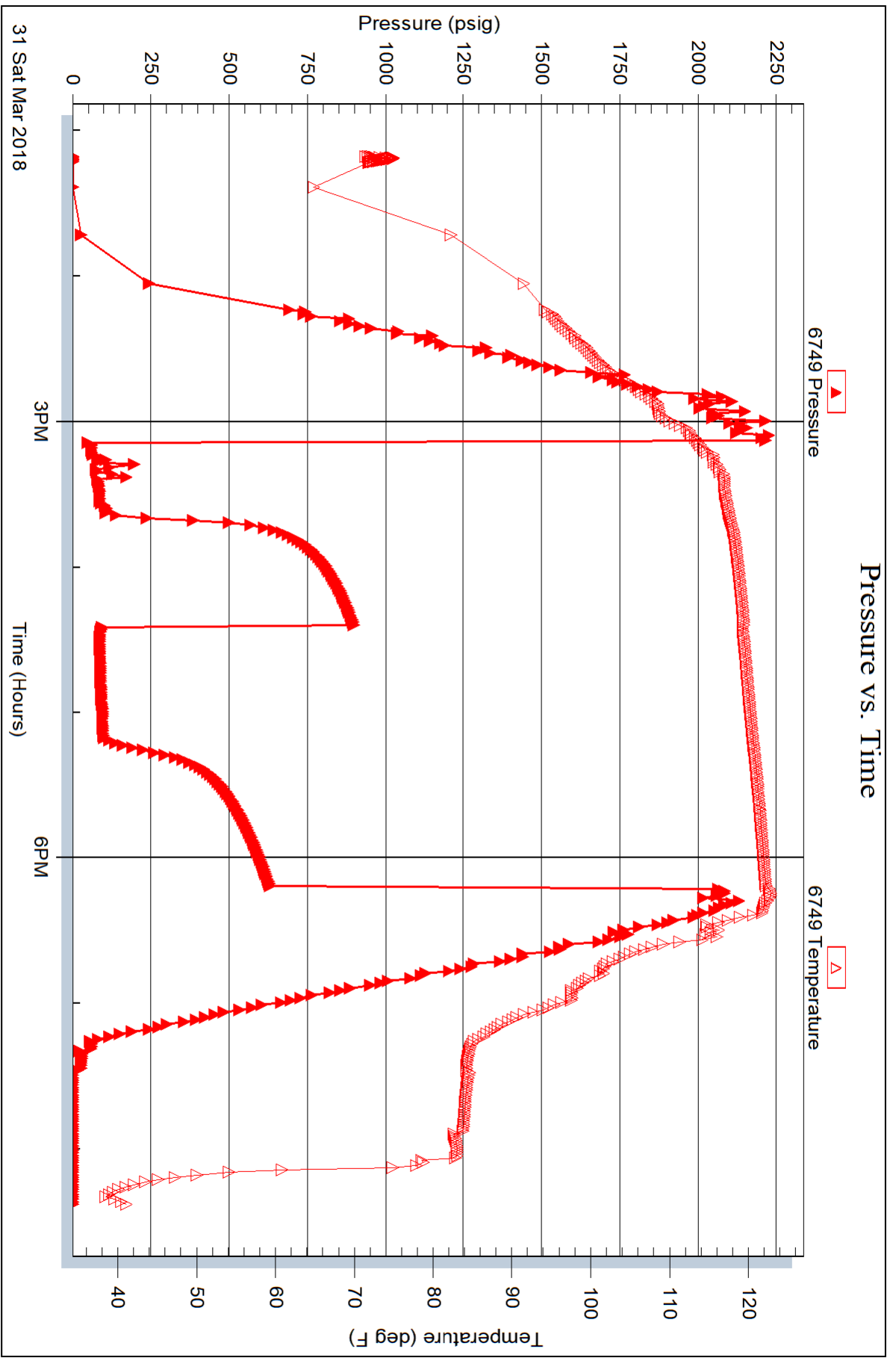


Serial #: 6749

Outside Triple Crown Operating

Lane Trust 1-3

DST Test Number: 1





# 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. 685

Date	4-3-18	Sec.	3	Twp.	20	Range	24	County	Ness	State	Ks	On Location		Finish	8:30 PM	
Lease	Lane Trust							Well No.	1-3	Owner	Ness City - 75 on 283 Hwy to 60th R 3 1/2 w 5/8 into					
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	Longstring							Charge To	Triple Crown							
Hole Size	7 7/8							T.D.	4504'							
Csg.	5 1/2" used 17#							Depth	4497.28'							
Tbg. Size								Depth								
Tool	Port Collar							Depth	1585'	The above was done to satisfaction and supervision of owner agent or contractor.						
Cement Left in Csg.	37.01'							Shoe Joint	37.01'	Cement Amount Ordered 80 sx 60/40 150 sx Com 10% Sa						
Meas Line	Displace 10 3 1/2 BLS							5% Gilsomite - 500 gal mud clear 48								
<b>EQUIPMENT</b>																
Pumptrk	20	No.	9	Cementer	Brett	Helper	Rick	Common 200								
Bulktrk	14	No.		Driver	Jordan	Poz. Mix 30										
Bulktrk	9	No.		Driver	Doug	Gel.										
<b>JOB SERVICES &amp; REMARKS</b>																
Remarks:								Hulls RCL 2 gal Salt 13								
Rat Hole								Flowseal								
Mouse Hole								Kol-Seal 750 #								
Centralizers	7, 12, 3, 4, 6, 12, 17, 22, 71							Mud CLR 48 500 gal								
Baskets	4, 23, 72							CFL-117 or CD110 CAF 36								
D/V or Port Collar	#72 1585'							Sand								
pipe on bottom break Circulation																
pump 500 gal mud clear 48 plug																
Rathole w/ 30 sx Cement 5 1/2" casing																
w/ 50 sx 60/40 + 150 sx Com 10% Salt																
5% Gilsomite. Shut down wash pump																
+ lines. Displaced plug w/ 10 3 1/2 BLS.																
Released + held.																
Lift pressure 900 #																
Land plug to 1500 #																
<b>FLOAT EQUIPMENT</b>																
Guide Shoe Port Collar																
Centralizer 10																
Baskets 3 w/ limit clamps																
AFU Inserts																
Float Shoe 1																
Latch Down 1																
24 Recip. Scratchers																
Pumptrk Charge prod string																
Mileage 15																
														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. 680

Cell 785-324-1041

Date	3-25-18	Sec.	3	Twp.	20	Range	24	County	Ness	State	Ks	On Location		Finish	5:15 AM				
Lease	Lane Trust							Well No.	1-3	Owner	S/Into								
Contractor	W W #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	Surface							Charge To Triple Crown											
Hole Size	12 1/4"		T.D.	219'		Street													
Csg.	8 5/8"		Depth	217'		City													
Tbg. Size			Depth			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 160 80/20 3 3/4 CC 2 3/4 Gel													
Meas Line			Displace	12 3/4 BLS															
<b>EQUIPMENT</b>												Common				130			
Pumptrk	16	No.	Cementer	Rick		Poz. Mix				30									
			Helper			Gel.				3									
Bulktrk	9	No.	Driver	David		Calcium				6									
			Driver																
Bulktrk		No.	Driver																
			Driver																
<b>JOB SERVICES &amp; REMARKS</b>												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				169				
											Mileage								
<b>FLOAT EQUIPMENT</b>																			
											Guide Shoe								
											Centralizer								
											Baskets								
											AFU Inserts								
											Float Shoe								
											Latch Down								
											Pumptrk Charge				Surface				
											Mileage				15				
															Tax				
															Discount				
															Total Charge				
X Signature	Scott Poland																		

# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

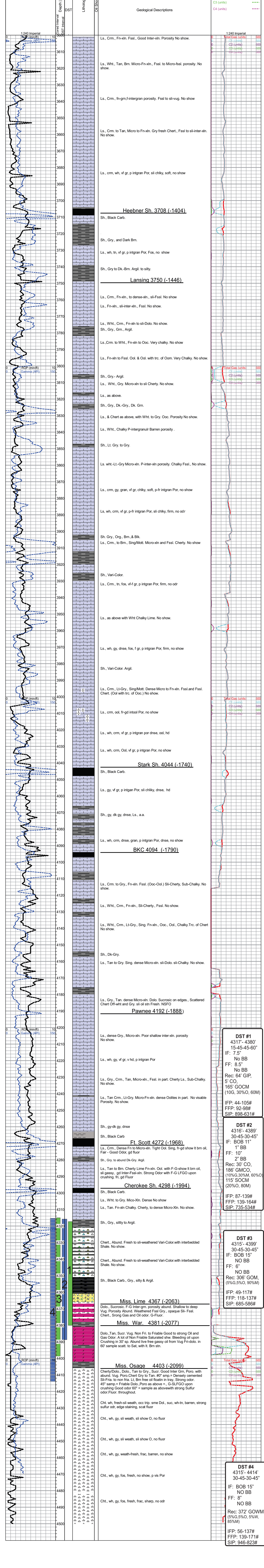
COMPANY	Triple Crown Operating, LLC	ELEVATIONS	KB 2304'
LEASE	Lane Trust #1-3	DF	
FIELD	Wildcat	GL	2298'
LOCATION	1767' FNL & 1618' FWL	CONTRACTOR	W.W. Drilling Rig #8
SEC	3 TWP S 20 S RGE 24 W	SPUD	3/24/18 COMP 4/3/18
COUNTY	Ness STATE Kansas	RTD	4500' LTD 4504'
MUD UP	TYPE MUD Chemical	SAMPLES SAVED FROM	3600' TO RTD
DRILLING TIME KEPT FROM	3600' TO RTD	PRODUCTION	5.5" @ TD
SAMPLES EXAMINED FROM	3600' TO RTD	ELECTRICAL	
GEOLOGICAL SUPERVISION FROM	3650'	SURVEYS	ELI
REFERENCE WELL	CND/DIL, MIC		

REMARKS Based on sample, log, and DST analysis, the Lane #1-3 will be further evaluated through production casing.

Respectfully Submitted,

Sean P. Deenihan

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**DST #1**  
 4317- 4380'  
 15-45-30-45"  
 IF: 7.5"  
 No BB  
 FF: 8.5"  
 No BB  
 Rec: 64' GIP,  
 5' CO,  
 165' GOCM  
 (10G, 30%O, 60M)  
 IFF: 44-105#  
 FFP: 92-98#  
 SIP: 898-631#

**DST #2**  
 4316- 4389'  
 30-45-30-45"  
 IF: BOB 11"  
 1" BB  
 FF: 10"  
 2" BB  
 Rec: 30' CO,  
 186' GMCO,  
 (10%G, 30%M, 60%O)  
 115' SOCM  
 (20%O, 80M)  
 IFF: 87-139#  
 FFP: 139-164#  
 SIP: 735-534#

**DST #3**  
 4315- 4399'  
 30-45-30-45"  
 IF: NO BB  
 NO BB  
 FF: 6"  
 NO BB  
 Rec: 306' GOM,  
 (5%G, 5%O, 90%M)  
 IFF: 49-117#  
 FFP: 118-137#  
 SIP: 685-586#

**DST #4**  
 4315- 4414'  
 30-45-30-45"  
 IF: BOB 15"  
 NO BB  
 FF: 8"  
 NO BB  
 Rec: 372' GOWM,  
 (5%G, 5%O, 5%W,  
 85%M)  
 IFF: 56-137#  
 FFP: 139-171#  
 SIP: 946-823#