

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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# 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. 286

Date	8-14-17	Sec.	29	Twp.	20	Range	22	County	Ness	State	Ks	On Location		Finish	4:30 PM
Lease	Uehling			Well No.	1-29			Owner	LW 5/5						
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.	4365'			Street							
Csg.	5 1/2" 17#			Depth	4360'			City State							
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Tool				Depth				Cement Amount Ordered 200 Com 10% Salt 5%							
Cement Left in Csg.	43.54			Shoe Joint	43.54'			Gibonite 20 BES KCL 500 gal Mud CLR 48							
Meas Line	Displace 100 BES H2O			Common 200											
<b>EQUIPMENT</b>															
Pumptrk	16	No.	Cementer	Helper			Travis			Poz. Mix					
Bulktrk	9	No.	Driver	Tony			Gel.								
Bulktrk	pu.	No.	Driver	Rick			Calcium KCL 2 gal								
<b>JOB SERVICES &amp; REMARKS</b>				Hulls											
Remarks:	Salt 17														
Rat Hole	Flowseal														
Mouse Hole	Kol-Seal 900#														
Centralizers	3, 5, 7, 9, 12, 15, 19			Mud CLR 48 500 gal											
Baskets	4, 20			CFL-117 or CD110 CAF 58											
D/V or Port Collar	Sand														
Circulation	pipe on bottom break														
48, pump	500 gal mud clear														
w/ 3550	48, pump 20 BES KCL plug Rathide														
w/ 1705x	Cement Casting														
Cement	Shut down wash														
pump + lines	Released plug + Displaced														
w/ 100 BES	H2O - Released + held														
lift pressure	1000 #														
land plug	to 1500 #														
Set packer shoe	w/ 1700#														
				<b>FLOAT EQUIPMENT</b>											
				Guide Shoe Packer shoe											
				Centralizer 7											
				Baskets 2 w/ clamps											
				AFU Inserts											
				Float Shoe											
				Latch Down 1											
				Pumptrk Charge Prod String											
				Mileage 25											
				Tax											
				Discount											
				Total Charge											
X Signature															

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

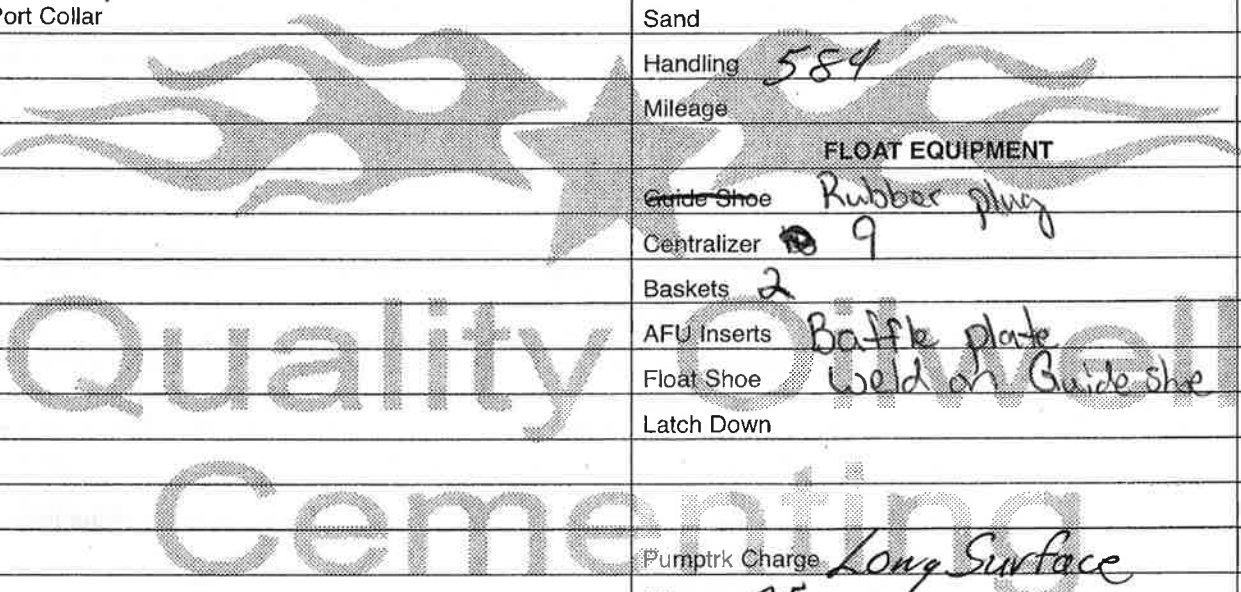
Phone 785-483-2025

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

No. 282

Cell 785-324-1041

Date	8-8-17	Sec.	29	Twp.	20	Range	22	County	Ness	State	Ks	On Location		Finish	7:00pm								
								Location								Bazine - DD Rd 5 to 20rd, 4w, 515							
Lease	Uehling				Well No.				1-29				Owner										
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.				1425'				Street										
Csg.	8 5/8"				Depth				1424'				City				State						
Tbg. Size					Depth								The above was done to satisfaction and supervision of owner agent or contractor.										
Tool					Depth								Cement Amount Ordered				400 70/30 3+2 150 Com 3+2						
Cement Left in Csg.	26'				Shoe Joint				26'														
Meas Line					Displace				89 Bus														
<b>EQUIPMENT</b>												Common				430							
Pumptrk	16	No.	Cementer		Travis		Rik		Poz. Mix				120										
Bulktrk	21	No.	Driver		Doney				Gel.				11										
Bulktrk	9	No.	Driver		Jordan				Calcium				22										
<b>JOB SERVICES &amp; REMARKS</b>												Hulls											
Remarks: Cement did Circulate												Salt											
Rat Hole												Flowseal				200#							
Mouse Hole												Kol-Seal											
Centralizers 7,9,11,13,15,17,19,21,24												Mud CLR 48											
Baskets 16,25												CFL-117 or CD110 CAF 38											
D/V or Port Collar												Sand											
												Handling				584							
												Mileage											
<b>FLOAT EQUIPMENT</b>												Guide Shoe				Rubber plug							
												Centralizer				9							
												Baskets				2							
												AFU Inserts				Baffle plate							
												Float Shoe				Weld on Guide shoe							
												Latch Down											
												Pumptrk Charge				Long Surface							
												Mileage				25							
												Tax											
												Discount											
												Total Charge											
X Signature																							



# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY **Triple Crown Operating, LLC**

LEASE **Uehling #1-29**

FIELD **Wildcat**

LOCATION **1400' FNL & 970' FEI**

SEC **29 TWPSP 20 S RGE 22 W**

COUNTY **Ness STATE Kansas**

CONTRACTOR **W.W. Drilling Rig #8**

SPUD **8/7/17 COMP 8/14/16**

RTD **4365' LTD 4365'**

MUD UP **TYPE MUD Chemical**

SAMPLES SAVED FROM **3500' TO RTD**

DRILLING TIME KEPT FROM **3500' TO RTD**

SAMPLES EXAMINED FROM **3500' TO RTD**

GEOLOGICAL SUPERVISION FROM **3700'**

REFERENCE WELL **CND/DIL SON Gemini**

ELEVATIONS  
KB 2190'

DF \_\_\_\_\_

GL 2185'

Measurements Are All From Kelly Bushing

CASING

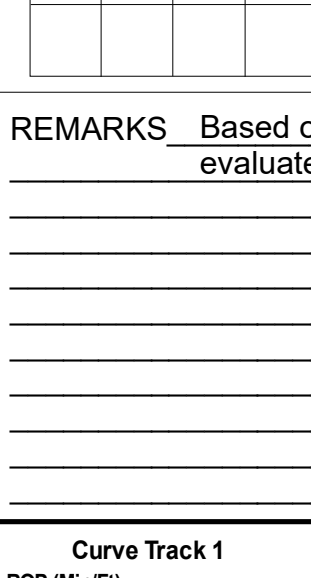
CONDUCTOR SURFACE **8-5/8" at 1425'**

PRODUCTION **5.5" @ TD**

ELECTRICAL SURVEYS

CND/DIL SON

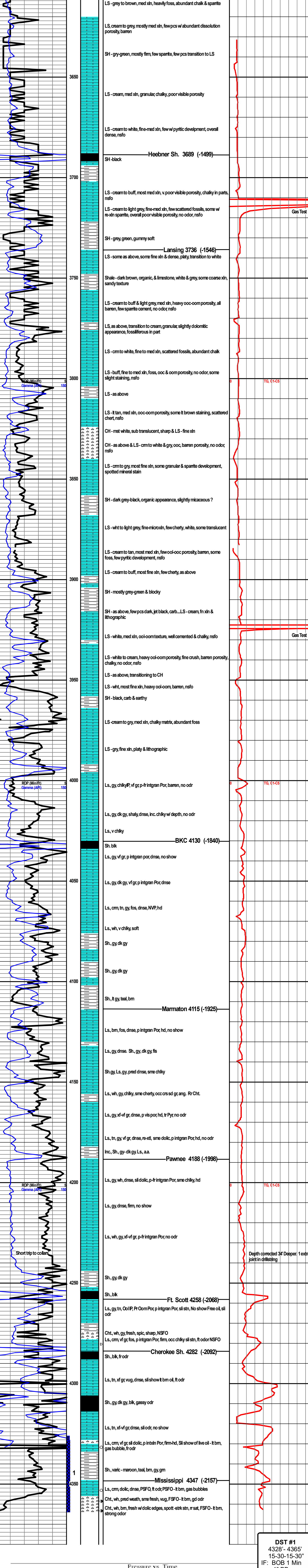
Formation	Sample Tops	E-log Tops	Struct Pos.
B/Ambidrite		1420 (+770)	
Heebner Sh.		3689 (-1499)	
Lansing		3736 (-1546)	
Marmaton		4114 (-1924)	
Ft. Scott		4258 (-2068)	
Cherokee Sh.		4282 (-2092)	
Mississippi		4347 (-2157)	



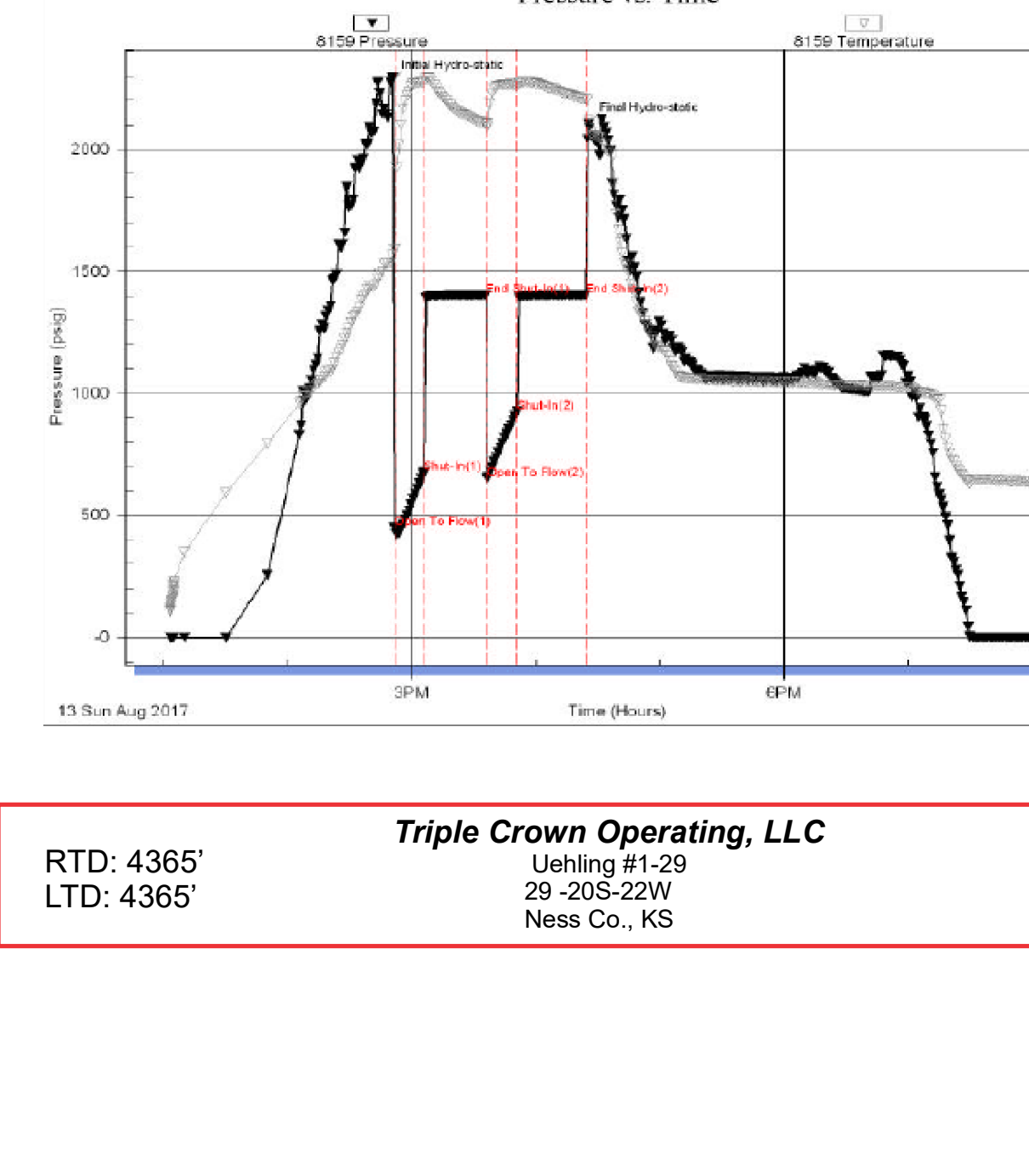
REMARKS Based on sample, log, and DST analysis, the Uehling #1-29 will be further evaluated through production casing.

Respectfully Submitted,

Sean P. Deenihan



**DST #1**  
4328'-4365'  
15-30-15-30"  
IF: BOB 1 Min 1" BB  
FF: BOB 1 Min 1" BB  
Rec: 2574' CO 60' MCO (80%O, 20%M)  
IFP: 450-674#  
FFP: 649-923#  
SIP: 1403-1403#  
Dropped Bar - Reversed Oil into water truck





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

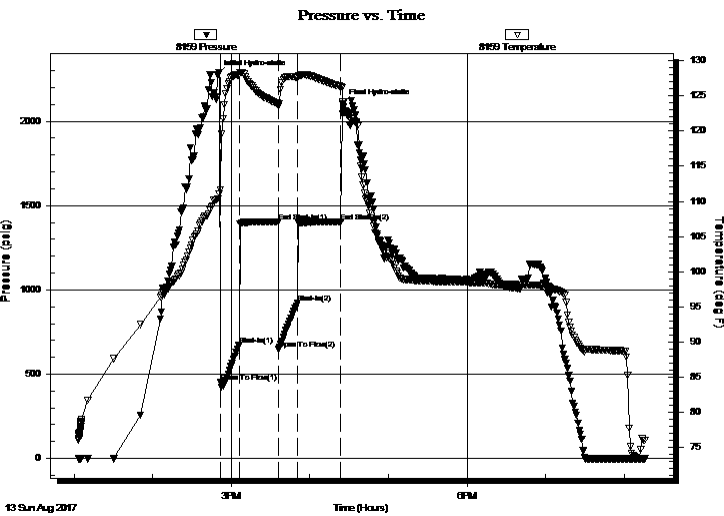
**29-20S-22W Ness**  
**Uehling 1-29**  
 Job Ticket: 63617 **DST#: 1**  
 Test Start: 2017.08.13 @ 13:03:26

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 14:51:41 Tester: Leal Cason  
 Time Test Ended: 20:15:41 Unit No: 74  
 Interval: **4328.00 ft (KB) To 4365.00 ft (KB) (TVD)** Reference Elevations: 2189.00 ft (KB)  
 Total Depth: 4365.00 ft (KB) (TVD) 2184.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

**Serial #: 8159 Inside**  
 Press@RunDepth: 922.93 psig @ 4329.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.08.13 End Date: 2017.08.13 Last Calib.: 2017.08.13  
 Start Time: 13:03:27 End Time: 20:15:41 Time On Btm: 2017.08.13 @ 14:49:41  
 Time Off Btm: 2017.08.13 @ 16:25:11

**TEST COMMENT:** IF: Strong Blow , BOB in 1 minute  
 IS: 1 inch Blow Back  
 FF: Strong Blow , BOB in 1 minute  
 FS: 1 inch Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.33	110.35	Initial Hydro-static
2	449.76	111.66	Open To Flow (1)
17	673.69	127.98	Shut-In(1)
46	1403.03	123.95	End Shut-In(1)
47	649.05	123.54	Open To Flow (2)
61	922.93	127.62	Shut-In(2)
94	1402.73	126.35	End Shut-In(2)
96	2102.93	124.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 20%M 80%O	0.30
2574.00	Oil	35.58

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**29-20S-22W Ness**

**Uehling 1-29**

Job Ticket: 63617

**DST#: 1**

Test Start: 2017.08.13 @ 13:03:26

**GENERAL INFORMATION:**

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:51:41

Time Test Ended: 20:15:41

**Interval: 4328.00 ft (KB) To 4365.00 ft (KB) (TVD)**

Total Depth: 4365.00 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: 2189.00 ft (KB)

2184.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6806 Outside**

Press@RunDepth: psig @ 4329.00 ft (KB)

Start Date: 2017.08.13

End Date:

2017.08.13

Start Time: 13:03:27

End Time:

20:15:26

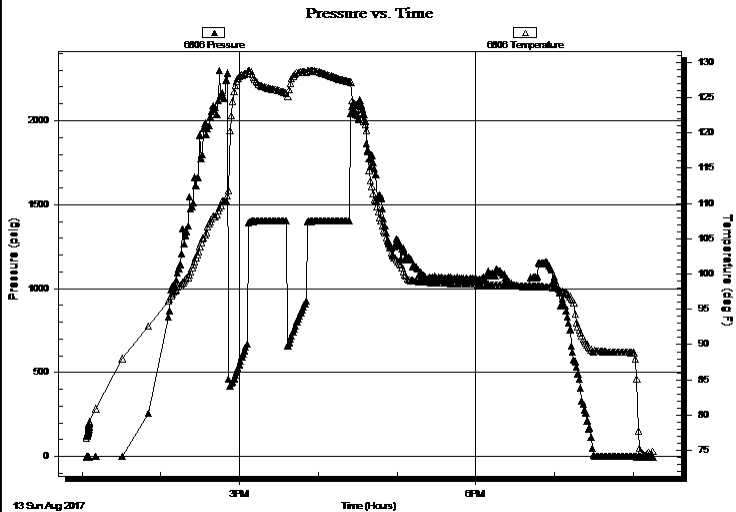
Capacity: 8000.00 psig

Last Calib.: 2017.08.13

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Strong Blow, BOB in 1 minute  
 IS: 1 inch Blow Back  
 FF: Strong Blow, BOB in 1 minute  
 FS: 1 inch Blow Back



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	MCO 20%M 80%O	0.30
2574.00	Oil	35.58

**Gas Rates**

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**29-20S-22W Ness**  
**Uehling 1-29**  
Job Ticket: 63617      **DST#: 1**  
Test Start: 2017.08.13 @ 13:03:26

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6500.00 ppm		
Filter Cake: 0.02 inches		

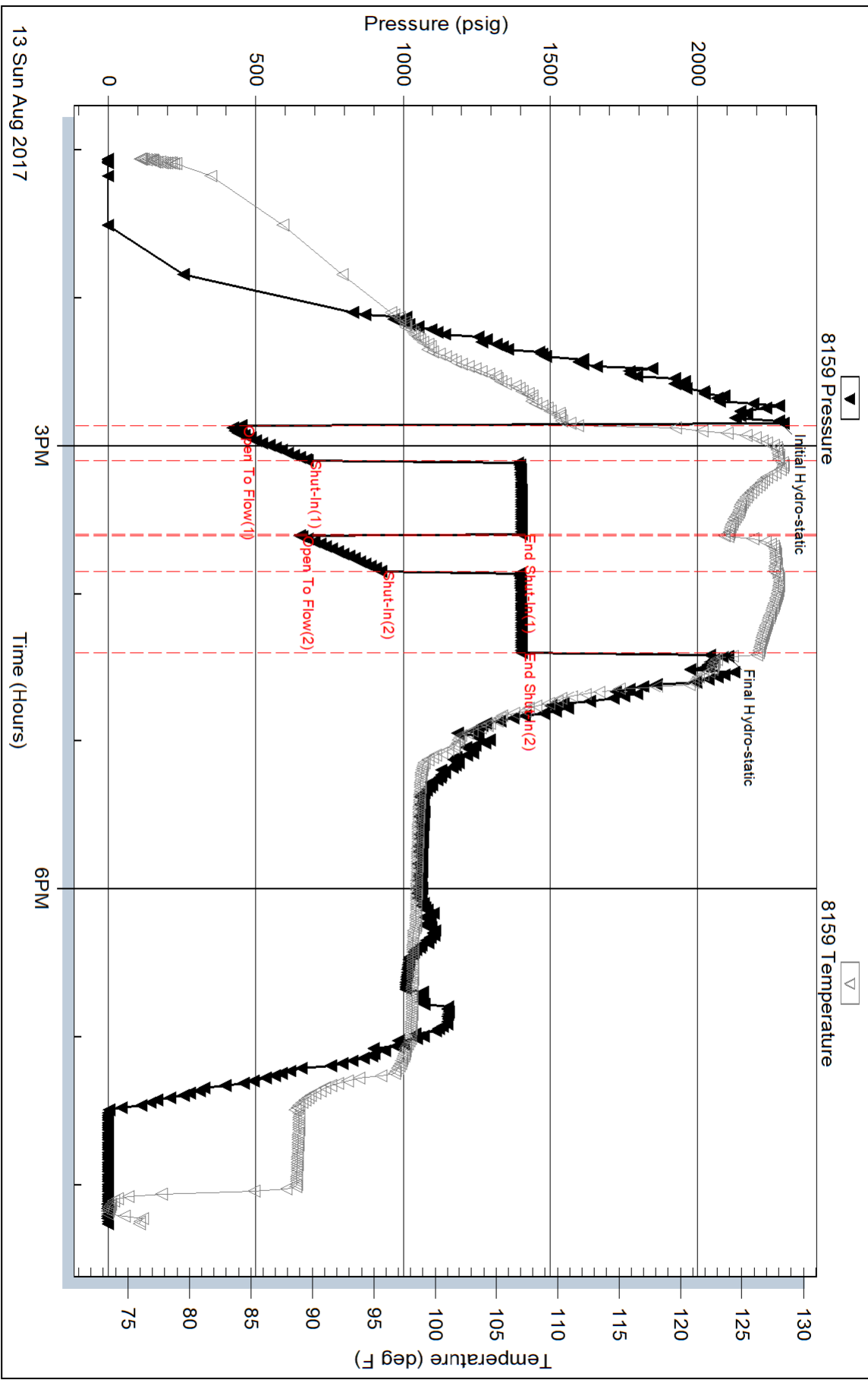
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCO 20%M 80%O	0.295
2574.00	Oil	35.578

Total Length: 2634.00 ft      Total Volume: 35.873 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Gravity was 39.8 @ 88 degrees

# Pressure vs. Time



Serial #: 6806

Outside Triple Crown Operating

Uehling 1-29

DST Test Number: 1

