

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 33993
Name: Quest Energy, LLC
Address 1: 2732 N. Reese RD.
Address 2:
City: Brookville State: KS Zip: 67425 +
Contact Person: Mr. Tracy Hynes
Phone: (785) 283 - 4249
CONTRACTOR: License # 33905
Name: Royal Drilling, Inc.
Wellsite Geologist: Ken Wallace
Purchaser: NCRA

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
☐ Conv. to GSW
☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:
12/9/2011 12/15/2011 12/29/2011
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 185-23727-00-00

Spot Description:
S2 NE SE NE Sec. 1 Twp. 21 S. R. 14 ☐ East ☒ West
1,825 Feet from ☒ North / ☐ South Line of Section
330 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

County: Stafford

Lease Name: Morrison Well #: 1-1

Field Name:

Producing Formation:

Elevation: Ground: 1910 Kelly Bushing: 1917

Total Depth: 3753 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 817 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: 88000 ppm Fluid volume: 600 bbls

Dewatering method used: Hauled Off

Location of fluid disposal if hauled offsite:

Operator Name: Bob's Oil Service, Inc.

Lease Name: Teichman License #:

Quarter SW/4 Sec. 16 Twp. 22 S. R. 12 ☐ East ☒ West

County: KCC Permit #: D - 23,722

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Tracy Hynes

Title: manager Date: 4/4/2012

KCC Office Use ONLY

- ☒ Letter of Confidentiality Received
Date: 4-5-12 to 4-5-14
☐ Confidential Release Date:
☒ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution
ALT ☒ I ☐ II ☐ III Approved by: NJ Date: 4-24-12

Operator Name: Quest Energy, LLC Lease Name: Morrison Well #: 1-1
 Sec. 1 Twp. 21 S. R. 14 ☐ East ☒ West County: Stafford

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☒ Yes ☐ No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey ☒ Yes ☐ No
 Cores Taken ☐ Yes ☒ No
 Electric Log Run ☒ Yes ☐ No
 Electric Log Submitted Electronically ☒ Yes ☐ No
 (If no, Submit Copy)

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

List All E. Logs Run:

Dual Induction, Dual Compensated Porosity, Micro

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	817	common	425	3% CC, 2% Gel.
Production	7.875	5.5	15.5	3753	common	150	10 Salt

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 spf	3604.5 - 3606.5	750 gal. of 15% HCL	
	set CIBP at 3600		
4 spf	3578 - 3584	300 gal. of 7.5% HCL	

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	<input checked="" 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 (Explain) _____				
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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

QUALITY OILWELL CEMENTING, INC.

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

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

No. 196

Date	12-10-11	Sec.	1	Twp.	21	Range	14	County	Stafford	State	Ks	On Location		Finish	9:15 AM	
Lease	Morrison	Well No.	1-1	Location	Barton + Stafford Co. Line, 3 1/2 W											
Contractor	Royal	R.g. #2				Owner	V4S, w/into									
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	12 1/4"	T.D.	817'			Charge To	Quest Energy									
Csg.	8 1/2"	Depth	817'			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.	29.55'	Shoe Joint	29.55'			Cement Amount Ordered	425 sx Common 3% CC									
Meas Line		Displace	30 BCS													
EQUIPMENT																
Pumptrk	9	No.	Cement	Cisco			Common									
Bulktrk	12	No.	Driver	Brian			Poz. Mix									
Bulktrk	14	No.	Driver	Rick			Gel.									
JOB SERVICES & REMARKS																
Remarks	Cement did Circulate.															
Rat Hole																
Mouse Hole																
Centralizers																
Baskets																
D/V or Port Collar																
	Mixed 375 sx Common															
	3% CC, 2% Gel															
FLOAT EQUIPMENT																
	Guide Shoe															
	Centralizer															
	Baskets															
	AFU Inserts															
	Float Shoe															
	Latch Down															
	1 - Rubber plug															
	1 - Baffle plate															
	Pumptrk Charge															
	Mileage															
CONFIDENTIAL																
APR 4 5 2014																
KCC																
Tax																
Discount																
Total Charge																
Signature: Doug Rudy																

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APR 06 2012

KCC WICHITA

QUALITY OILWELL CEMENTING, INC.

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

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

No. 200

Date	12-15-11	Sec.	1	Twp.	21	Range	14	County	STAFFORD	State	KANSAS	On Location		Finish	5:30 PM
Lease	MORRISON	Well No.	1-1	Location BARTON CO. STAFFORD COUNTY LINE											
Contractor	ROYAL RIG	2	Owner												
Type Job	PRODUCTION	To Quality Oilwell Cementing, Inc.													
Hole Size	7 7/8"	T.D.	3753'	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Csg.	5 1/2" 14LB-NEW	Depth	3766.16	Charge To QUEST ENERGY											
Tbg. Size		Depth		Street											
Tool		Depth		City										State	
Cement Left in Csg.	15.35	Shoe Joint	15.35	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line		Displace	91.58 BRLS	Cement Amount Ordered 150 SK 10% SALT											
EQUIPMENT				150 SK COMMON 10% SALT 500g mud CLEAR 48											
Pumptrk	1	No.	Cement	Common											
Bulktrk	14	No.	Driver	Poz. Mix											
Bulktrk	PL	No.	Driver	Gel.											
JOB SERVICES & REMARKS				Calcium											
Remarks:				Hulls											
Rat Hole 30 SX				Salt											
Mouse Hole 15 SX				Flowseal											
Centralizers 2, 5, 8				Kol-Seal											
Baskets 2				Mud CLR 48											
D/M or Port Collar NONE				CFL-117 or CD110 CAF 38											
				Sand											
PIPE ON BOTTOM BREAK GEL.				Handling											
PUMPED 500g mud CLEAR 48				Mileage											
PLUGGED PART HOLE 30 SX MOUSE HOLE 15 SX				FLOAT EQUIPMENT											
CEMENT 5 1/2" CASING WITH 105 SK COMMON 10% SALT				Guide Shoe 1											
SHUT DOWN WASH PUMP AND LINES, RELEASED				Centralizer 3 TURBOS											
PLUG AND DISCLOSED WITH BAKERS H2O				Baskets 1											
RELEASED AND FLOAT HELD.				AFU Inserts 1											
LIFT PRESSURE 300#				Float Shoe 5.5											
LAND PLUG 1300#				Latch Down.											
				1-RUBBER PLUG											
				Pumptrk Charge											
				Mileage											
				Tax											
				Discount											
				Total Charge											

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APR 05 2014

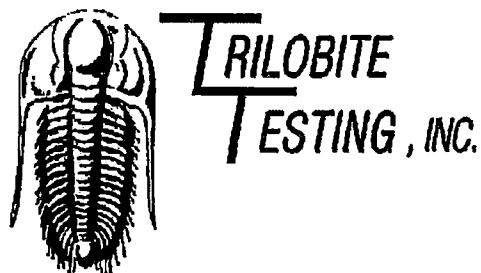
KCC

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APR 06 2012

KCC WICHITA

X Signature



DRILL STEM TEST REPORT

Prepared For: **Quest Energy LLC**

2732 N Reese Rd
Brookville, KS 67425

ATTN: Ken Wallace

Morrison #1

1-21s-14w Stafford,KS

Start Date: 2011.12.14 @ 03:03:45

End Date: 2011.12.14 @ 11:11:30

Job Ticket #: 44049

DST #: 1

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

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Printed: 2011.12.22 @ 07:44:57

Quest Energy LLC

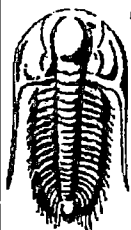
1-21s-14w Stafford,KS

Morrison #1

DST # 1

Conglomerate Sand

2011.12.14



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Quest Energy LLC

2732 N Reese Rd
Brookville, KS 67425

ATTN: Ken Wallace

1-21s-14w Stafford, KS

Morrison #1

Job Ticket: 44049

DST#: 1

Test Start: 2011.12.14 @ 03:03:45

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:15:30

Time Test Ended: 11:11:30

Interval: **3540.00 ft (KB) To 3582.00 ft (KB) (TVD)**

Total Depth: 3582.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Reference Elevations: 1917.00 ft (KB)

1910.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **6798**

Inside

Press@RunDepth: 151.88 psig @ 3541.00 ft (KB)

Start Date: 2011.12.14

End Date:

2011.12.14

Start Time: 03:03:46

End Time:

11:11:30

Capacity: 8000.00 psig

Last Calib.: 2011.12.14

Time On Btm: 2011.12.14 @ 05:05:30

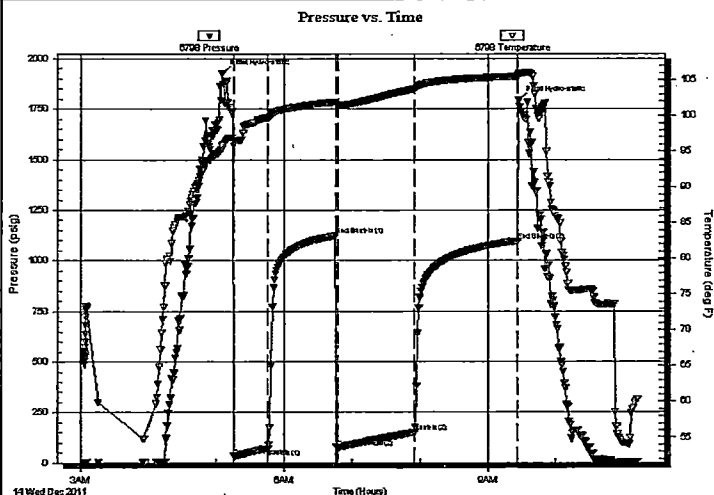
Time Off Btm: 2011.12.14 @ 09:27:30

TEST COMMENT: IF: Fair Blow, BOB in 14 minutes

IS: No Blow back

FF: Fair Blow, BOB in 9 minutes

FS: No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.35	95.79	Initial Hydro-static
10	34.25	95.81	Open To Flow (1)
41	71.77	99.73	Shut-In(1)
101	1123.82	101.92	End Shut-In(1)
102	75.88	101.48	Open To Flow (2)
170	151.88	103.78	Shut-In(2)
261	1097.98	105.51	End Shut-In(2)
262	1795.13	105.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	600 Feet GIP	0.00
180.00	GOCM 50%G 20%O 30%M	2.66
200.00	Oil	2.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Quest Energy LLC

2732 N Reese Rd
Brookville, KS 67425

ATTN: Ken Wallace

1-21s-14w Stafford, KS

Morrison #1

Job Ticket: 44049

DST#: 1

Test Start: 2011.12.14 @ 03:03:45

Tool Information

Drill Pipe:	Length: 3544.00 ft	Diameter: 3.90 inches	Volume: 52.36 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
			Total Volume: 52.36 bbl	Tool Chased	ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3540.00 ft			Final	39000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 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
Shut In Tool	5.00			3518.00	
Hydraulic tool	5.00			3523.00	
Jars	5.00			3528.00	
Safety Joint	2.00			3530.00	
Packer	5.00			3535.00	27.00 Bottom Of Top Packer
Packer	5.00			3540.00	
Stubb	1.00			3541.00	
Recorder	0.00	6798	Inside	3541.00	
Recorder	0.00	8367	Outside	3541.00	
Perforations	6.00			3547.00	
Change Over Sub	1.00			3548.00	
Drill Pipe	30.00			3578.00	
Change Over Sub	1.00			3579.00	
Bullnose	3.00			3582.00	42.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Quest Energy LLC

1-21s-14w Stafford, KS

2732 N Reese Rd
Brookville, KS 67425

Morrison #1

Job Ticket: 44049

DST#: 1

ATTN: Ken Wallace

Test Start: 2011.12.14 @ 03:03:45

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	600 Feet GIP	0.000
180.00	GOCM 50%G 20%O 30%M	2.660
200.00	Oil	2.955

Total Length: 380.00 ft

Total Volume: 5.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity was 37 @ 60 degrees

