



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1160414
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
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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: _____

1160414

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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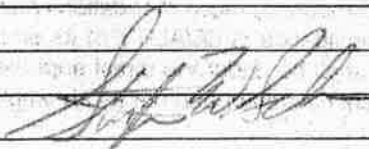
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 7769

Date	9-14-13	Sec.	2	Twp.	10	Range	16	County	Rooks	State	Ks	On Location		Finish	1:30 PM	
Lease	Kruse unit							Well No.	207	Owner	3/4 W NB W to Rig					
Contractor	Royal 1							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 Quest Energy								
Hole Size	12 1/4"		T.D.	1114'			Street									
Csg.	8 3/8"		Depth	1114'			City									
Tbg. Size			Depth				State									
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	42'		Shoe Joint	42'			Cement Amount Ordered 400 sy Common 3% CC									
Meas Line			Displace	68 1/4 BLS			2 1/2 Gal									
EQUIPMENT												Common				
Pumptrk	16	No.	Cementer	Billy			Poz. Mix									
			Helper													
Bulktrk	12	No.	Driver	David			Gel.									
			Driver													
Bulktrk	p.u.	No.	Driver	Rick			Calcium									
			Driver													
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			
													Mileage			
												FLOAT EQUIPMENT				
													Guide Shoe			
													Centralizer			
													Baskets			
													AFU Inserts			
													Float Shoe			
													Latch Down			
													1- Baffle plate			
													1- Rubber plug			
													Pumptrk Charge			
													Mileage			
												Tax				
												Discount				
												Total Charge				
Signature: 																

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. 7865

Date	9-20-13	Sec.	2	Twp.	10	Range	16	County	Books	State	KS	On Location		Finish	11:00 PM
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Lease House Unit Location N. Juma W to 31AD

Well No. 207 Owner To Quality Oilwell Cementing, Inc.

Contractor Royal 4 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 PIPE-CG Charge To Quest Energy

Hole Size 2 7/8 T.D. 3670 Street Quest Energy

Csg. 4 Depth 3565 City State

Tbg. Size Depth 3540 City State

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

Cement Left in Csg. 23 Shoe Joint 23 Cement Amount Ordered 190 Com 10% Salt

Meas Line 15.5 Displace 84.5 BBL 5% oil salts

EQUIPMENT

Pumptrk 5 No. Cementer Helper Common

Bulktrk 11 No. Driver Brett Driver Poz. Mix

Bulktrk pu No. Driver Chad Driver Gel.

JOB SERVICES & REMARKS

Remarks: Hulls

Rat Hole 30 5/16 Salt

Mouse Hole 20 5/16 Flowseal

Centralizers 1 3 5 7 9 11 13 15-42 44 Kol-Seal

Baskets 1 42 Mud CLR 48 500 gal

D/V or Port Collar 43 top -> port collar CFL-117 or CD110 CAF 38

abolished circulation for 10 min -> proper ball Sand

set trap out at 500 PST Handling

circulate for 1 hour placed Mileage 5 1/2

bet and mouse hole **FLOAT EQUIPMENT**

mix down hole displace Guide Shoe

84.5 BBL of water Centralizer 2, 8 turbos

batch down held Baskets 2

LIFT 900 PST AFU Inserts

Land 1600 PST Float Shoe

Latch Down 1

port collar

trap shoe

Pumptrk Charge

Mileage

Tax

Discount

Total Charge

X Signature Jim S. Seagley



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Quest Energy LLC
2732 N Reese Rd
Brookville KS 67425-9812
ATTN: Ken Wallace

2 10s 16w Rooks,KS
Kruse Unit # 207
Job Ticket: 50471 **DST#: 1**
Test Start: 2013.09.17 @ 14:28:00

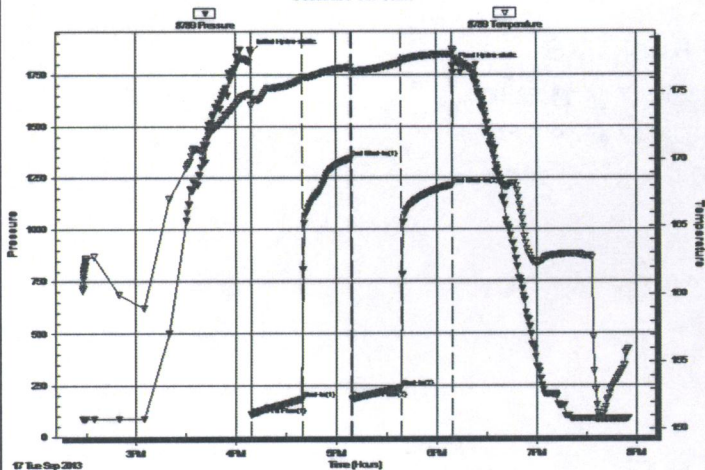
GENERAL INFORMATION:

Formation: **Toronto - LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:09:15
Time Test Ended: 19:55:00
Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 54
Interval: **3044.00 ft (KB) To 3114.00 ft (KB) (TVD)**
Total Depth: 3114.00 ft (KB) (TVD)
Reference Elevations: 1959.00 ft (KB)
1954.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 5.00 ft

Serial #: 8789 **Inside**
Press@RunDepth: 237.67 psig @ 3046.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.17 End Date: 2013.09.17 Last Calib.: 2013.09.17
Start Time: 14:28:02 End Time: 19:55:15 Time On Btm: 2013.09.17 @ 16:09:00
Time Off Btm: 2013.09.17 @ 18:09:30

TEST COMMENT: 30-IFP- Weak Intermittent Surface Blow
30-ISIP- No Blow
30-FFP- Weak Surface Blow for 7 min. to BOB in 30 sec.
30-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.28	174.92	Initial Hydro-static
1	107.56	174.11	Open To Flow (1)
31	182.73	175.94	Shut-In(1)
60	1345.86	176.83	End Shut-In(1)
61	184.60	176.40	Open To Flow (2)
90	237.67	177.16	Shut-In(2)
121	1213.81	177.78	End Shut-In(2)
121	1788.24	178.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	Water 100%	0.88
140.00	MCW 40% m 60% w Show of Oil	1.96

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Quest Energy LLC
2732 N Reese Rd
Brookville KS 67425-9812
ATTN: Ken Wallace

2 10s 16w Rooks,KS
Kruse Unit # 207
Job Ticket: 50471 **DST#: 1**
Test Start: 2013.09.17 @ 14:28:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	56000 ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.57 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Water 100%	0.884
140.00	MCW 40% m 60% w Show of Oil	1.964

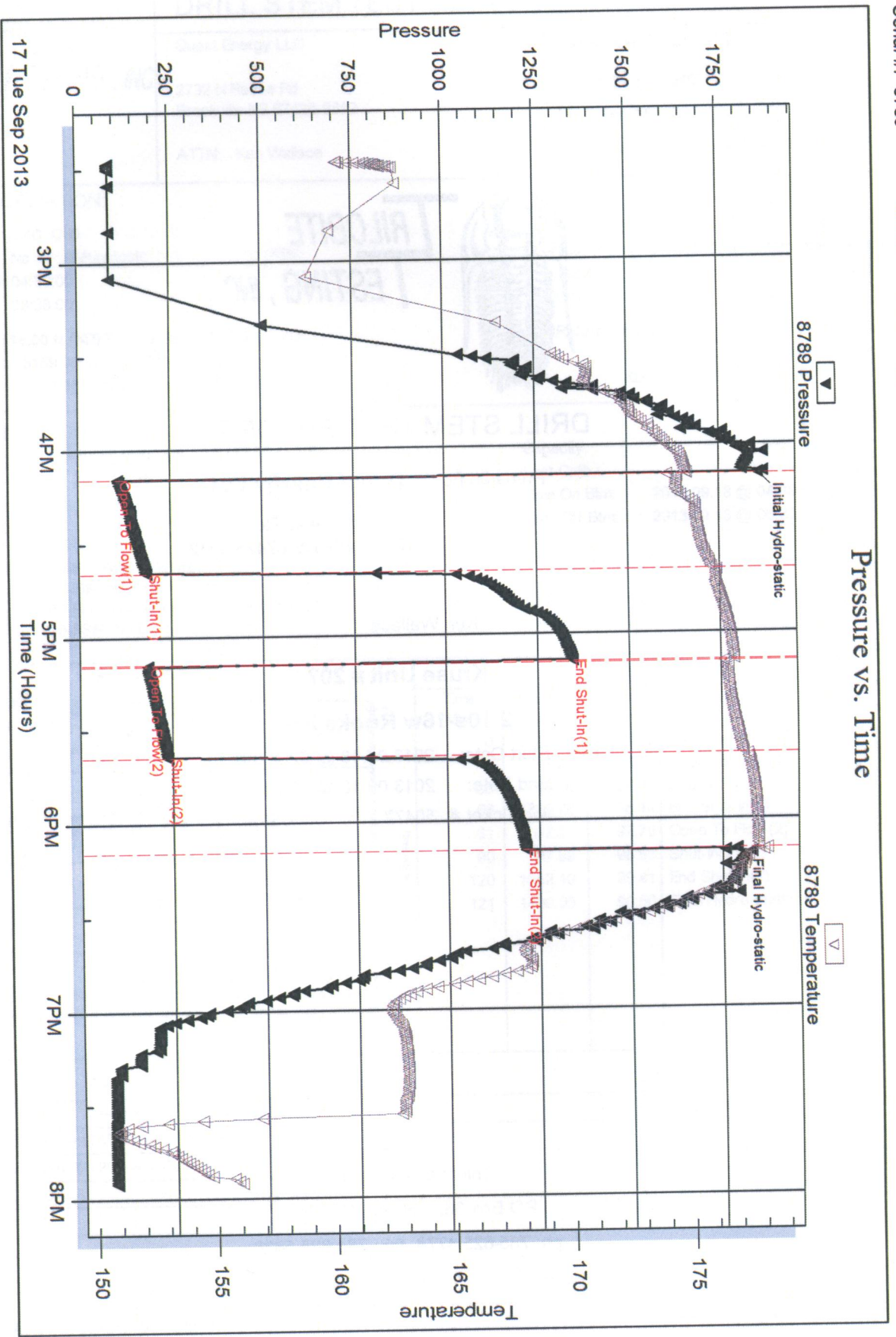
Total Length: 203.00 ft Total Volume: 2.848 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .120 @ 81

Serial #: 8789 Inside Quest Energy LLC

Kuse Unit # 207

DST Test Number: 1

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Quest Energy LLC
2732 N Reese Rd
Brookville KS 67425-9812
ATTN: Ken Wallace

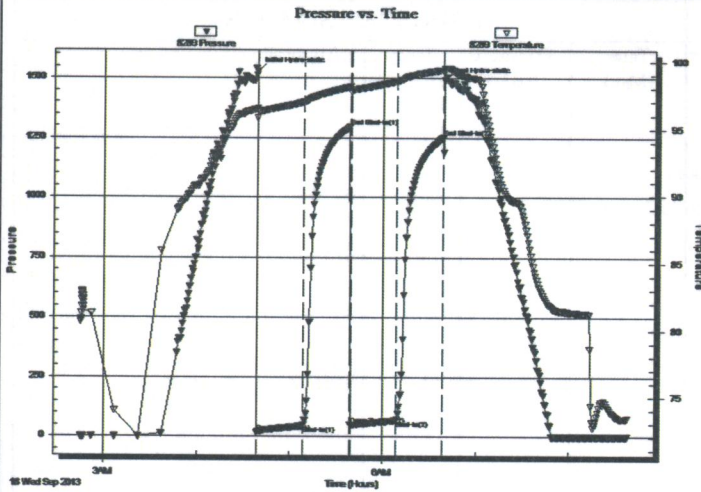
2 10s 16w Rooks,KS
Kruse Unit # 207
Job Ticket: 50472 DST#: 2
Test Start: 2013.09.18 @ 02:45:00

GENERAL INFORMATION:

Formation: **LKC C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:39:00
Time Test Ended: 08:38:00
Interval: **3116.00 ft (KB) To 3159.00 ft (KB) (TVD)**
Total Depth: 3159.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 54
Reference Elevations: 1959.00 ft (KB)
1954.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8289 **Outside**
Press@RunDepth: 67.98 psig @ 3123.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.18 End Date: 2013.09.18 Last Calib.: 2013.09.18
Start Time: 02:45:02 End Time: 08:38:00 Time On Btm: 2013.09.18 @ 04:38:45
Time Off Btm: 2013.09.18 @ 06:39:15

TEST COMMENT: 30-IFP- BOB in 28 min.
30-ISIP- No Blow
30-FFP- Surface Blow Building to 9 1/2"
30-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1529.55	96.53	Initial Hydro-static
1	17.81	95.80	Open To Flow (1)
30	44.38	97.01	Shut-In(1)
60	1295.28	98.14	End Shut-In(1)
61	47.21	97.75	Open To Flow (2)
90	67.98	98.56	Shut-In(2)
120	1252.10	99.41	End Shut-In(2)
121	1490.05	99.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCW 25% _m 75% _w Show of Oil	0.88
42.00	OWCM 10% _o 20% _w 70% _m	0.59
3.00	CO 100%	0.04
0.00	80 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Quest Energy LLC
2732 N Reese Rd
Brookville KS 67425-9812

ATTN: Ken Wallace

2 10s 16w Rooks,KS
Kruse Unit # 207
Job Ticket: 50472 **DST#: 2**
Test Start: 2013.09.18 @ 02:45:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 38000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.57 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	MCW 25% _m 75% _w Show of Oil	0.884
42.00	OWCM 10% _o 20% _w 70% _m	0.589
3.00	CO 100%	0.042
0.00	80 GIP	0.000

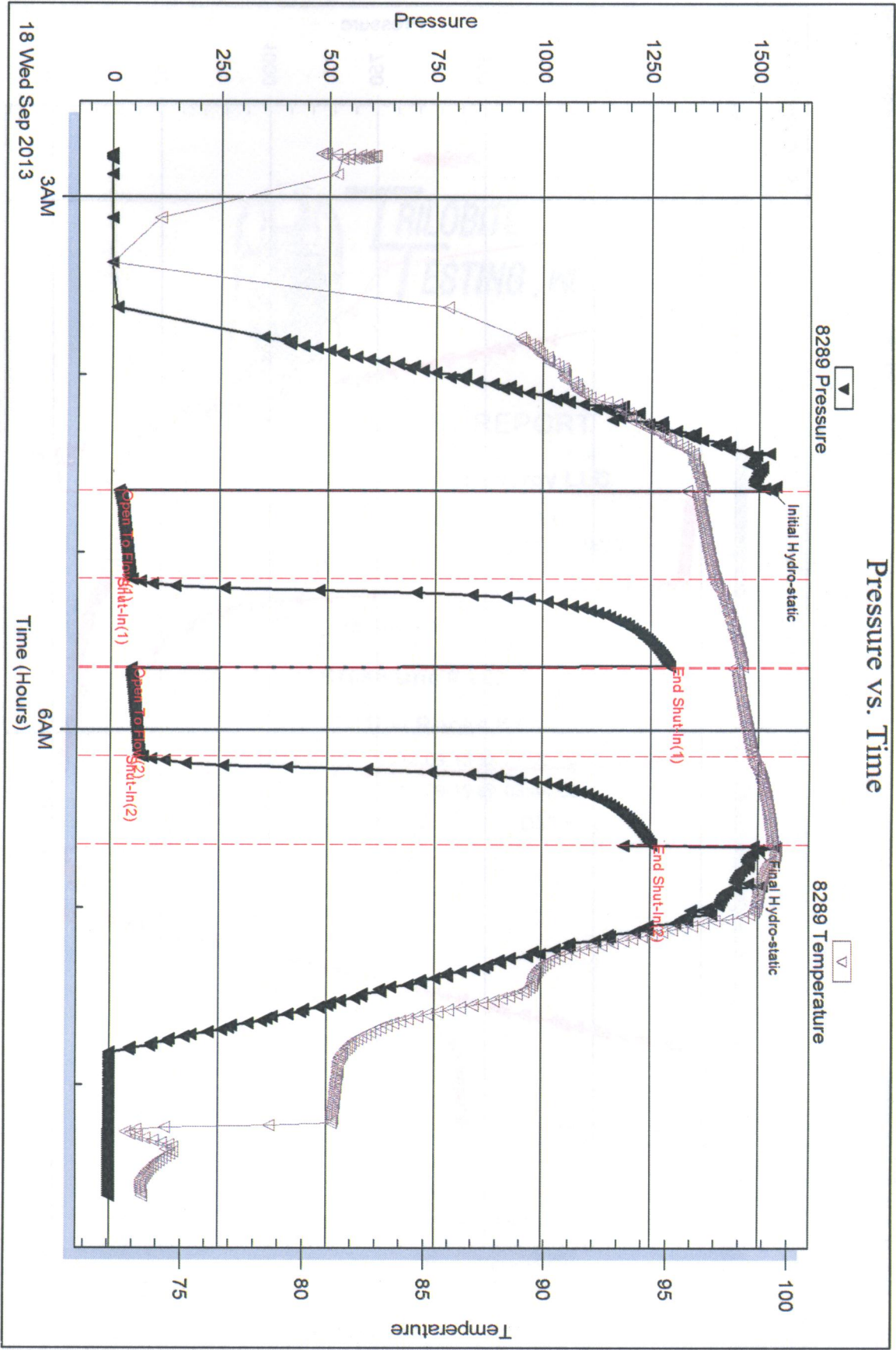
Total Length: 108.00 ft Total Volume: 1.515 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .192 @ 70

Serial #: 8289

Outside Quest Energy LLC

Kruse Unit # 207

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Quest Energy LLC
2732 N Reese Rd
Brookville KS 67425-9812
ATTN: Ken Wallace

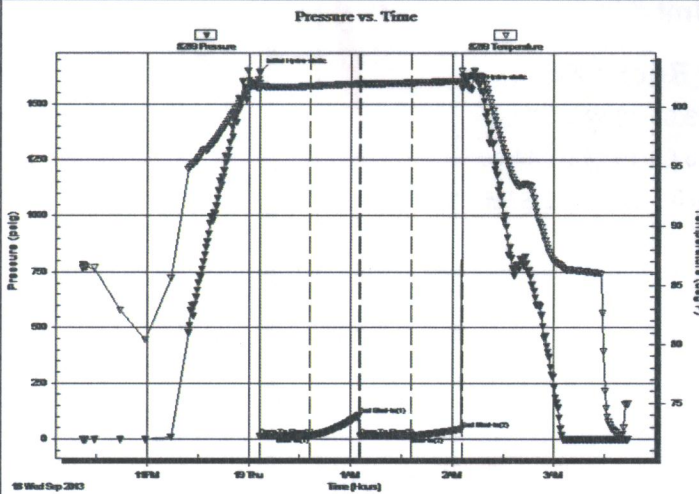
2 10s 16w Rooks,KS
Kruse Unit # 207
Job Ticket: 50473 **DST#: 3**
Test Start: 2013.09.18 @ 22:22:00

GENERAL INFORMATION:

Formation: **LKC J-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:06:30
Time Test Ended: 03:44:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 54
Interval: **3266.00 ft (KB) To 3319.00 ft (KB) (TVD)**
Total Depth: 3319.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1959.00 ft (KB)
1954.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8289 Outside
Press@RunDepth: 15.11 psig @ 3282.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.18 End Date: 2013.09.19 Last Calib.: 2013.09.19
Start Time: 22:22:02 End Time: 03:44:00 Time On Btm: 2013.09.19 @ 00:06:15
Time Off Btm: 2013.09.19 @ 02:06:00

TEST COMMENT: 30-IFP- Good Surge On Open Surface Blow Died in 8 min.
30-ISIP- No Blow
30-FFP- No Blow
30-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.10	102.02	Initial Hydro-static
1	14.43	101.55	Open To Flow (1)
30	14.47	101.78	Shut-In(1)
59	106.35	101.99	End Shut-In(1)
60	14.57	101.95	Open To Flow (2)
90	15.11	102.07	Shut-In(2)
120	45.37	102.22	End Shut-In(2)
120	1570.74	103.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100% Show of Oil in Tool	0.03

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Quest Energy LLC

2 10s 16w Rooks,KS

2732 N Reese Rd
Brookville KS 67425-9812

Kruse Unit # 207

Job Ticket: 50473

DST#: 3

ATTN: Ken Wallace

Test Start: 2013.09.18 @ 22:22:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100% Show of Oil in Tool	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

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

Laboratory Name: Laboratory Location:

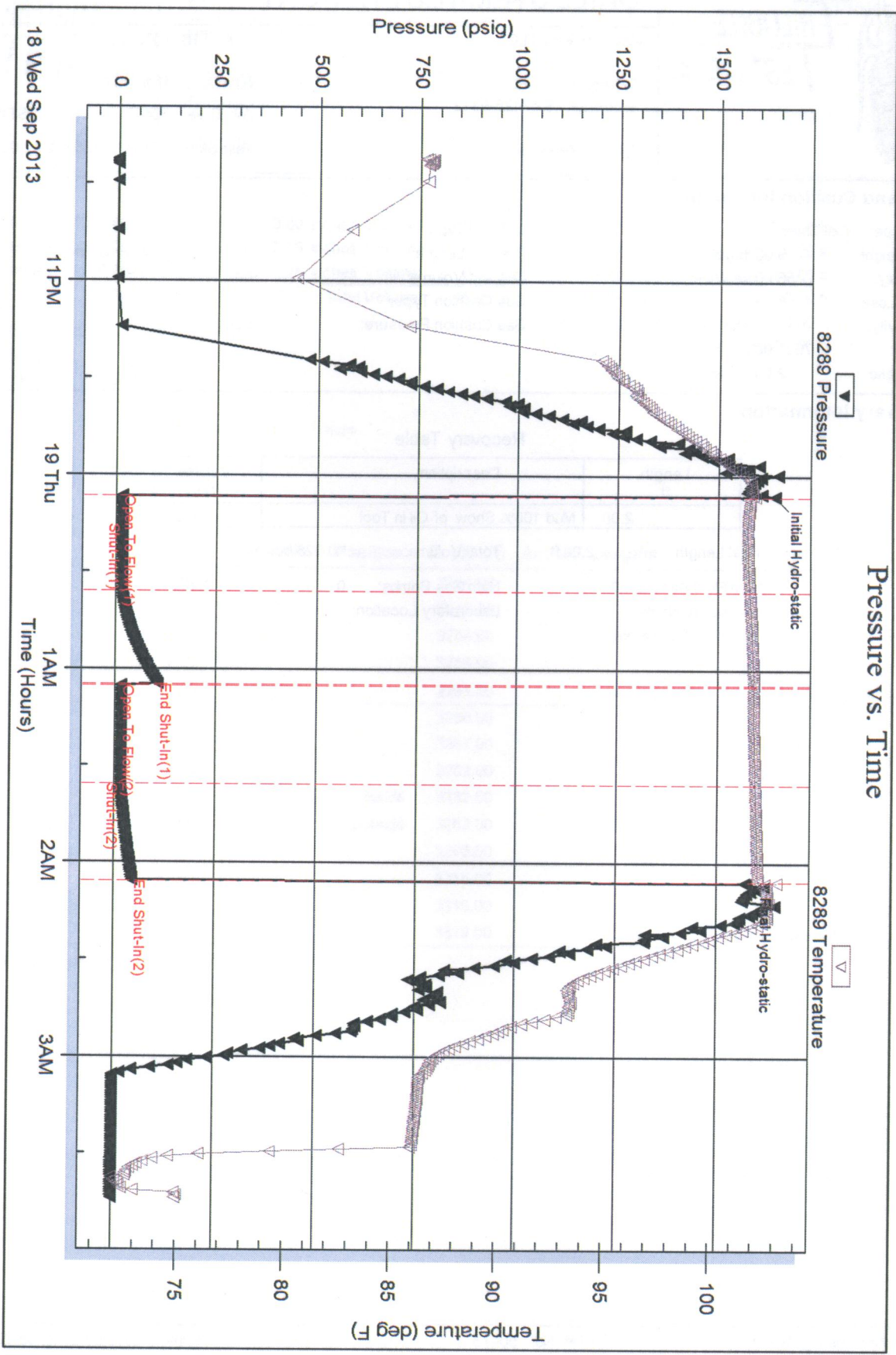
Recovery Comments:

Serial #: 8289

Outside Quest Energy LLC

Kruse Unit # 207

DST Test Number: 3



Trioble Testing, Inc

Ref. No: 50473

Printed: 2013.09.20 @ 08:02:53