Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1171936

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 # 8914
Name: H & C Oil Operating Inc.
Address 1: PO BOX 86
Address 2:
City: PLAINVILLE State: KS Zip: 67663 + 0086
Contact Person: Charles Ramsay
Phone: (785) 434-7434
CONTRACTOR: License # 33493
Name: American Eagle Drilling LLC
Wellsite Geologist: Marc Downing
Purchaser: Coffeyville Resources LLC

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 #:

11/20/2013 Spud Date or Recompletion Date
11/28/2013 Date Reached TD
12/20/2013 Completion Date or Recompletion Date

API No. 15 - 15-065-23993-00-00
Spot Description:
_ - E2 - E2 - SE Sec. 9 Twp. 7 S. R. 23 ☐ East ☑ West
1320 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

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Graham
Lease Name: Shaw Well #: 9-1
Field Name: Unnamed
Producing Formation: Lansing Kansas City
Elevation: Ground: 2422 Kelly Bushing: 2427
Total Vertical Depth: 3950 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 262 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2132 Feet
If Alternate II completion, cement circulated from: 2132
feet depth to: 0 w/ 170 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 1400 ppm Fluid volume: 420 bbls
Dewatering method used: Evaporated

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: 02/05/2014
☑ **Confidential Release Date:** 02/05/2016
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 02/06/2014

[redacted] 1171936

Operator Name: H & C Oil Operating Inc. Lease Name: Shaw Well #: 9-1

Sec. 9 Twp. 7 S. R. 23 ☐ East ☑ West County: Graham

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

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

Name	Top	Datum
Top Anhydrite	2122	+305
Base Anhydrite	2155	+272
Topeka	3464	-1037
Heebner	3666	-1239
Toronto	3692	-1265
LKC	3708	-1281
BKC	3901	-1474

CASING RECORD ☑ New ☐ 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	262	common	160	3%cc, 2%gel
Production	7.875	5.50	14	3944	Q Pro C	170	10% SALT, 5% Gilsonite

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☑ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
0-2132	QMDC	170	1/4# floseal per sack
-			

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 *(Amount and Kind of Material Used)*	Depth
4	3883' - 3885	3500 gallons 20%	3885'
4	3860' - 3865		

TUBING RECORD: Size: 2.375 Set At: 3920' Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 01/30/2014

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	35		15		35

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
3860' - 3885

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	H & C Oil Operating Inc.
Well Name	Shaw 9-1
Doc ID	1171936

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microresistivity
Sonic Cement Bond

Form	ACO1 - Well Completion
Operator	H & C Oil Operating Inc.
Well Name	Shaw 9-1
Doc ID	1171936

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
surface	12.25	8.625	23	262	common	160	3%cc, 2%gel
Production	7.875	5.50	14	3944	Q Pro C	170	10% SALT, 5% Gilsonite

Marc Downing

Consulting Petroleum Geologists
4111 Woodington Circle
Horn, Ks. 67601
Phone: 620-628-3366 (cell) 785-621-2326

COMPANY: H.C. Oil Operating Inc.

WELL: Shaw #9-1

FIELD: Wildcat

LOCATION: 1526 FSL & 330' FEL

SEC. 9 TWP. 7s RGE. 23w

COUNTY: Graham

STATE: Kansas

OPERATOR: HC Oil Operating Inc.

CONTRACTOR: Anderson Eagle Rig #3

COMM: 11-21-13 COMP: 11-28-13

ELEVATION: GL 2492 KB 2497 DF 2496

DRILLING TIME AND SAMPLE RECORD

SURFACE CASING: 8 5/8" @ 242' cmt w/ 165 sks

PRODUCTION CASING: 5½" @ 3956'

TOTAL DEPTH (DRILLER): 3957' (-1460)

TOTAL DEPTH (LOGGER): 3957' (-1460)

CASING COLLAR: 3951'

ARCHEL

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	DATUM	LOG TOPS	DATUM
Anhydrite	2155	+342		
Base Anhydrite	2195	+302		
Topeka	3464	-967		
Heebner	3686	-1189		
Toronto	3706	-1209		
LKC	3720	-1223		
BKC	3962	-1465		
Arbuckle	3981	-1484		

DRILL STEM TESTS

NO.	INTERVAL	OPEN/SHUT	OPEN/SHUT	OPEN/SHUT	RECOVERY

REFERENCE WELL FOR STRUCTURE: Abercrombie Drilling Inc. 9-7s-23w NW-SE-SE

Brant #1-1

Due to structural position, DST recovery & log evaluation, it was decided to set 5½" casing for completion.

Remarks

LKC J: 3864 (-1367)
K: 3883 (-1386) (Geologic Abandonment)

LEGEND

Anhydrite | Salt | Sandstone | Shale | Carbsh | Limestone | Dol/Lime | Chert | Dolomite

DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases
5" 10" 15"

DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | OIL SHOWS | REMARKS

3350
50
3400
50
3450
50
3500
50
3550
50
3600
50
3650
50
3700
50
3750
50
3800
50
3850
50
3900
50
3950

Topeka 3464 (-1037)
Heebner 3686 (-1239)
Toronto 3706 (-1243)
LKC 3720 (-1279)
BKC 3962 (-1475)
RTD: 3958 (-1528)
LTD: 3981 (-1524)

3350–3400: Sh: Black Carb

3400–3450: LS: tan - wht, dolom wl foss, gd intxln, scat vugs. Rare gr stn, mostly barren, NO sat. Trace PPR + dns

3450–3500: LS: Mostly AIA, better ø, Sat pr stn, NSFO, NS oil

3500–3550: LS: Trace tan - wht, sub xln in prt, PPR + NS, NO oil

3550–3600: Sh: Black Carb

3600–3650: Sh: brn - red, waxy, red.

3650–3700: LS: wht, fn xln, mostly ppp. Scat sub xln in, foss chips, NS.
Sh: grn
LS: wht, mdt. lg oil. Scat fr int oolit, mostly PPR + dns
LS: wht, fn xln, few oil + foss ppp, All NS.
Sh: grn

3700–3750: LS: wht, lg foss + ool, fr int xln + vugs w/ gr stn. Fr lmg SFO. Abnl dog + foss stain, NO oil
Sh: brn
LS: wht, fn xln. Scat xln in prt, mostly ppp, no fr cmt
Sh: drk grey
LS: wht, fn xln, slty dolom wl int gr xln. Chlky in prt. Rare pr SFO, NSFO, NS oil. mostly barren. wht chlky
LS: wht, fn xln, ppp + dens. Scat wht chlky, NS.
Sh: Black Carb

3750–3800: Sh: grn wl brn
LS: wht, md xln, fair pr vugs, fr wht chlky, lmg SFO, no oil. Trng PPR + dns
Sh: grn
Sh: brn
LS: wht - lt tan, oal frgt to xln fr, gd lt brn stain & odor, fr gd SFO, fr oil.

3800–3850: Sh: brn wl grg, scat red
LS: wht, md xln. Many sub xln chlky to SFO, NSFO. Rare chlky grn SFO, NS oil
LS: wht, fn - md xln. Sub xln in prt, All NS.

3850–3900: Sh: brn - red, scat grn
Sh: brn - red
LS: tan - wht, md xln, slty wt/d, dns
Sh: grn

3900–3950: LS: AIA

DST #1
3913 - 3975
45-45-45-45
I.F.: 37½" blow
F.F.: 37½" blow
IFP: 19-42
FFP: 43-62
SIP: 469-399
HP: 1957-1886
Rec:
3' FO
75' MO 40%o
BHT: 107

Viz: 5# wt: 9.1

Alan Downing

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating, Inc.**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Shaw #9-1

9 7s 23w Graham KS

Start Date: 2013.11.26 @ 18:53:00
End Date: 2013.11.27 @ 03:14:00
Job Ticket #: 53599 DST #: 1

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

Printed: 2013.11.29 @ 11:50:44

DRILL STEM TEST REPORT

H&C Oil Operating, Inc.

PO Box 86
Plainville, KS 67663

ATTN: Marc Dow ning

9 7s 23w Graham KS

Shaw #9-1

Job Ticket: 53599 **DST#: 1**

Test Start: 2013.11.26 @ 18:53:00

GENERAL INFORMATION:

Formation: **LKC H-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:25:30
Time Test Ended: 03:14:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Chuck Kreutzer Jr.
Unit No: 61

Interval: 3813.00 ft (KB) To 3875.00 ft (KB) (TVD)
Total Depth: 3875.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

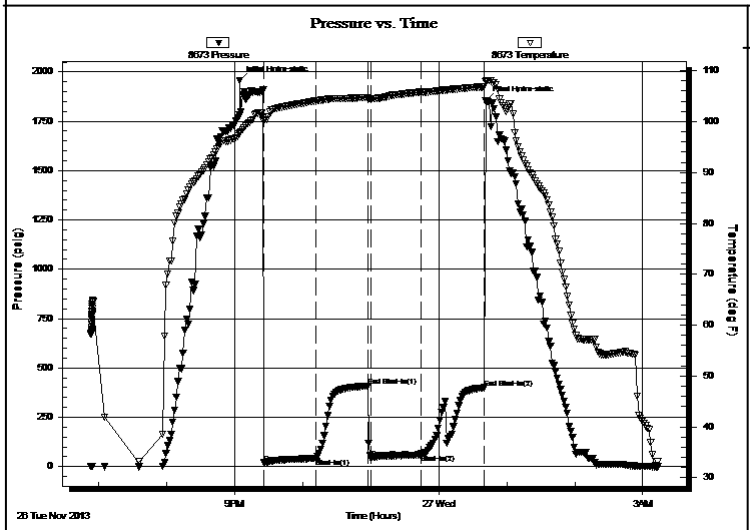
Reference Elevations: 2427.00 ft (KB)
2422.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8673 **Inside**

Press@RunDepth: 62.42 psig @ 3816.00 ft (KB)
Start Date: 2013.11.26 End Date: 2013.11.27
Start Time: 18:53:01 End Time: 03:14:00

Capacity: 8000.00 psig
Last Calib.: 2013.11.27
Time On Btm: 2013.11.26 @ 21:04:30
Time Off Btm: 2013.11.27 @ 00:42:00

TEST COMMENT: IF: Weak blow , Built to 3 3/4" over 45 mins.
ISI: No blow back over 45 mins.
FF: Weak blow , Built to 3 3/4" over 45 mins.
FSI: No blow back over 45 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.42	97.82	Initial Hydro-static
21	18.92	100.17	Open To Flow (1)
67	41.66	104.04	Shut-In(1)
113	407.85	104.76	End Shut-In(1)
116	42.93	104.56	Open To Flow (2)
160	62.42	105.79	Shut-In(2)
216	399.20	106.83	End Shut-In(2)
218	1856.00	107.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Hmco-60%o40%m	0.78
3.00	free oil-100%o	0.04

Gas Rates

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

DRILL STEM TEST REPORT

H&C Oil Operating, Inc.

PO Box 86
Plainville, KS 67663

ATTN: Marc Dow ning

9 7s 23w Graham KS

Shaw #9-1

Job Ticket: 53599 **DST#: 1**

Test Start: 2013.11.26 @ 18:53:00

GENERAL INFORMATION:

Formation: **LKC H-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:25:30
Time Test Ended: 03:14:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Chuck Kreutzer Jr.
Unit No: 61

Interval: 3813.00 ft (KB) To 3875.00 ft (KB) (TVD)
Total Depth: 3875.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

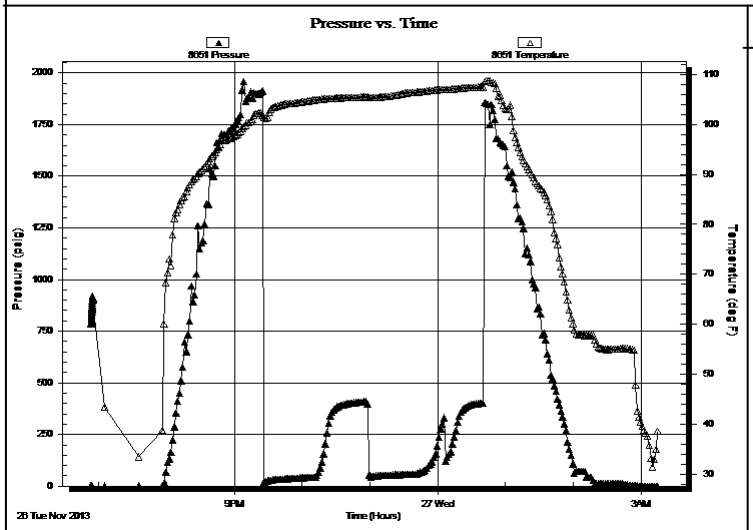
Reference Elevations: 2427.00 ft (KB)
2422.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8651 **Outside**

Press@RunDepth: psig @ 3816.00 ft (KB)
Start Date: 2013.11.26 End Date: 2013.11.27
Start Time: 18:53:01 End Time: 03:14:30

Capacity: 8000.00 psig
Last Calib.: 2013.11.27
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak blow , Built to 3 3/4" over 45 mins.
ISI: No blow back over 45 mins.
FF: Weak blow , Built to 3 3/4" over 45 mins.
FSI: No blow back over 45 mins.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Hmco-60%o40%m	0.78
3.00	free oil-100%o	0.04

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Operating, Inc.

PO Box 86
Plainville, KS 67663

ATTN: Marc Dow ning

9 7s 23w Graham KS

Shaw #9-1

Job Ticket: 53599 **DST#: 1**

Test Start: 2013.11.26 @ 18:53:00

Tool Information

Drill Pipe:	Length:	3778.00 ft	Diameter:	3.80 inches	Volume:	53.00 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		45000.00 lb
					Total Volume:	53.15 bbl	Tool Chased		2.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3813.00 ft						Final	40000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		62.00 ft							
Tool Length:		82.00 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			3798.00		
Hydraulic tool	5.00			3803.00		
Packer	5.00			3808.00	20.00	Bottom Of Top Packer
Packer	5.00			3813.00		
Stubb	1.00			3814.00		
Perforations	2.00			3816.00		
Recorder	0.00	8673	Inside	3816.00		
Recorder	0.00	8651	Outside	3816.00		
Blank Spacing	31.00			3847.00		
Perforations	25.00			3872.00		
Bullnose	3.00			3875.00	62.00	Bottom Packers & Anchor
Total Tool Length:	**82.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating, Inc.

PO Box 86
Plainville, KS 67663

ATTN: Marc Dow ning

9 7s 23w Graham KS

Shaw #9-1

Job Ticket: 53599 **DST#: 1**

Test Start: 2013.11.26 @ 18:53:00

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:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1400.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

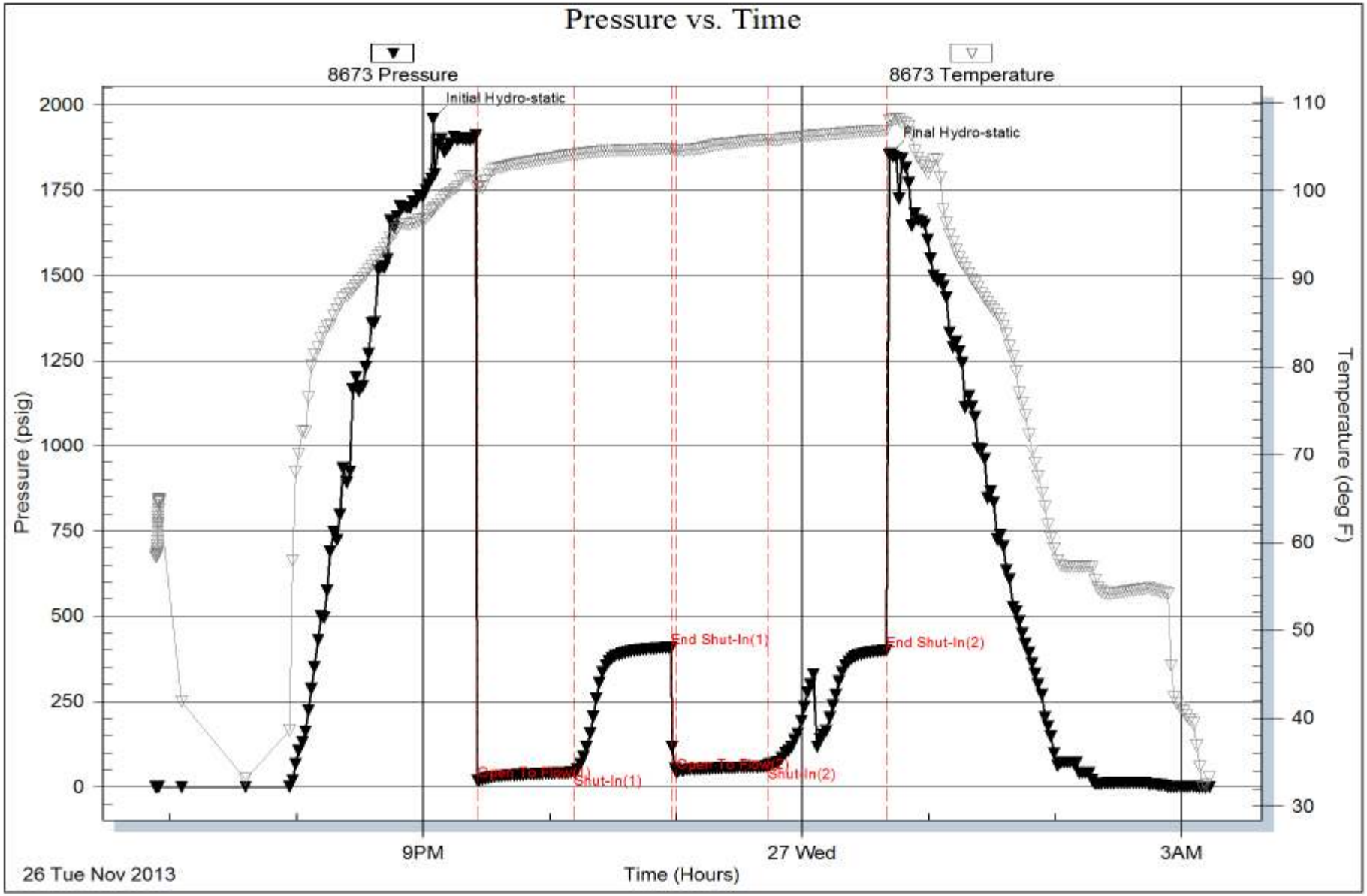
Recovery Table

Length ft	Description	Volume bbl
75.00	Hmco-60%o40%m	0.779
3.00	free oil-100%o	0.042

Total Length: 78.00 ft Total Volume: 0.821 bbl

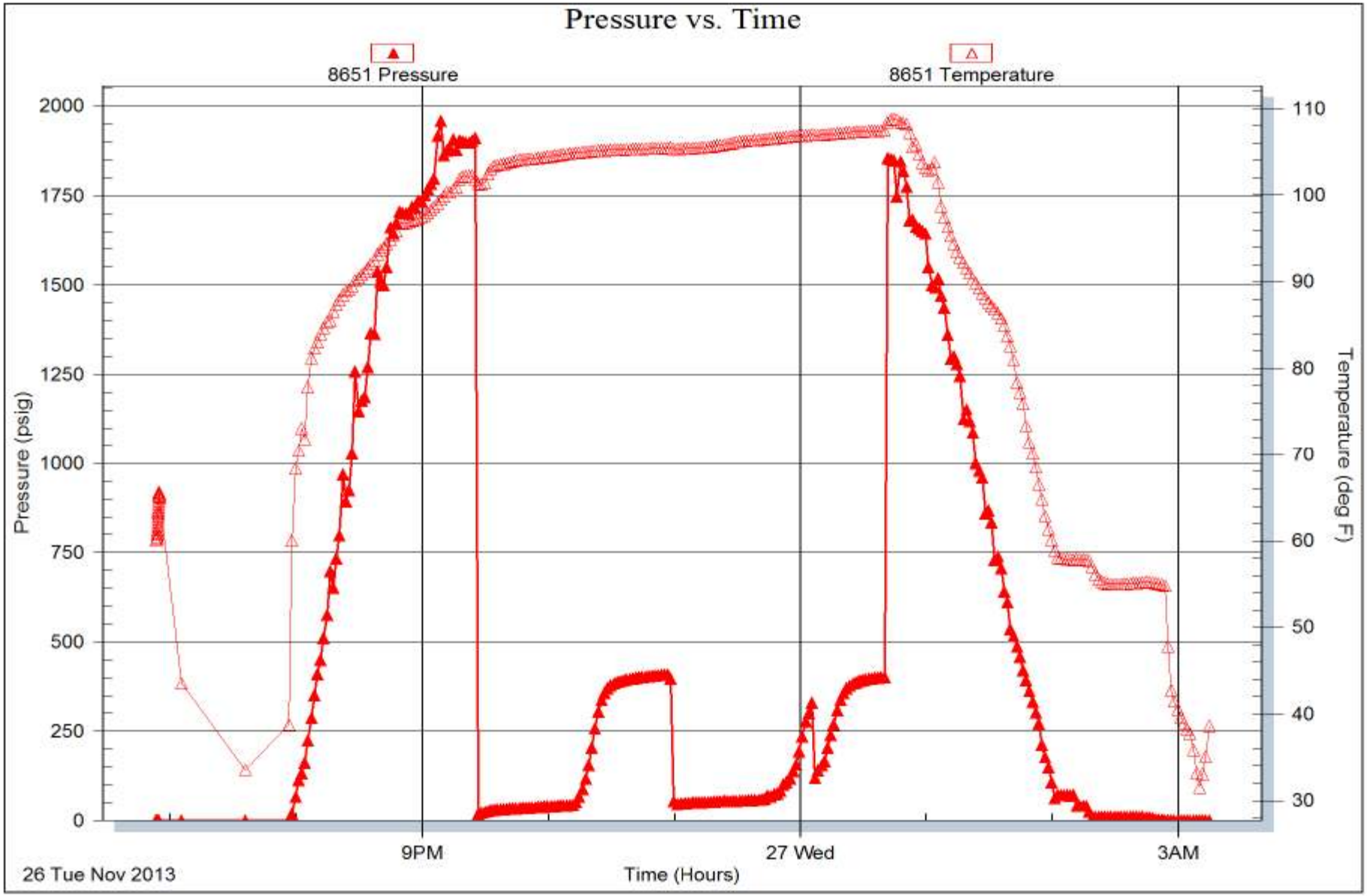
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8673 **Inside** H&C Oil Operating, Inc. Shaw #9-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53599 Printed: 2013.11.29 @ 11:50:46

Serial #: 8651 **Outside** H&C Oil Operating, Inc. Shaw #9-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53599 Printed: 2013.11.29 @ 11:50:47

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53599

Well Name & No. Shaw #9-1 Test No. 1 Date 11-26-2012

Company H&C oil operating, Inc. Elevation 2427 KB 2422 GL

Address P.O. Box 86 Plainville, Ks. 67663

Co. Rep / Geo. Marc Downing Rig American Eagle #3

Location: Sec. 9 Twp. 7S Rge. 23W Co. Graham State Ks

Interval Tested 3813 3875 Zone Tested LKC - H,J

Anchor Length 62 Drill Pipe Run 3778 Mud Wt. 9.1

Top Packer Depth 3808 Drill Collars Run 30 Vis 58

Bottom Packer Depth 3813 Wt. Pipe Run -0- WL 6.0

Total Depth 3875 Chlorides 1,400 ppm System LCM 2#

Blow Description IF: Weak blow, Built to 3¾ in. over 45 mins.

ISI: No blow back

FF: Weak blow, Built to 3¾ in over 45 mins.

FSI: No blow back

Rec 75	Feet of HMCO	%gas	60 %oil	%water	40 %mud
Rec 3	Feet of Free oil	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 78 BHT 100 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1957	☑ Test 1150	T-On Location 17:10
(B) First Initial Flow 19	☐ Jars	T-Started 18:53
(C) First Final Flow 42	☐ Safety Joint	T-Open 21:25
(D) Initial Shut-In 408	☐ Circ Sub	T-Pulled 00:35
(E) Second Initial Flow 43	☐ Hourly Standby	T-Out 3:14
(F) Second Final Flow 62	☑ Mileage 60x2=120x1.55=186	Comments Loaded tools on 11-27-2013 at 20:15 pm
(G) Final Shut-In 399	☐ Sampler 186 x 2 loaded tools = 372	
(H) Final Hydrostatic 1856	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 45	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0
Final Flow 45	☐ Day Standby	Total 1522
Final Shut-In 45	☐ Accessibility	MP/DST Disc't
	Sub Total 1522	

Approved By ____ Our Representative Chuck Kyle

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. 7495

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-13-13	9	7	23	Graham	KS		3:15pm

Location Hill City 6W RdW 2w 1/4W Winto

Lease Shaw Well No. 9-1

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.

Contractor Stewart

Type Job Port Collar

Hole Size 7 7/8 T.D.

Csg. 5 1/2 Depth

Tbg. Size 2 3/8 Depth

Tool Port Collar Depth 2132

Cement Left in Csg. Shoe Joint

Meas Line Displace 78 BC

Charge To H & C

Street

City State

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

Cement Amount Ordered 350 Qmdc 1/4# Flo

USED 170 SK

Common 170 Qmdc

Poz. Mix

Gel.

Calcium

Hulls

Salt

Flowseal 87 lb

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 350

Mileage

EQUIPMENT

Pumptrk 5 No. Cementer Craig
Helper

Bulktrk No. Driver Brett
Driver

Bulktrk 19 No. Driver
Driver Doug

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Plug 2600 Test to 1000#
Tool @ 2132 Open Tool Pump
~~5 BBL Mud~~
Load Hole with Mud. Open Tool & Establish Circulation with Mud 65 BBL
Mix 170 SK & Cement Circulated.
Displace 78 BBL. Close Tool & Test to 1000# Held. Run 5 joints & wash Clean.

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge port collar

Mileage 41

Tax

Discount

Total Charge

X Signature Bob Plank

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. 7483

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-20-13	9	7	23	Graham	KS		9:00pm 4:45pm

Location Hill City 6W 2N 1/4E Winto

Lease Shaw Well No. 9-1

Contractor American Eagle #3

Type Job Surface

Hole Size 12 1/4 T.D. 264

Csg. 8 5/8 Depth 263

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 15' Shoe Joint

Meas Line Displace 15 1/2 BC

EQUIPMENT

Pumptrk 5 No. Cementer Craig
Helper

Bulktrk No. Driver Lonnie
Driver

Bulktrk 9 No. Driver
Driver David

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

8 5/8 on bottom Est Circulation
Mix 160sk of Displace
Cement Did not Circulate
1" @ 30'
USED 50 SK
Cement Circulated

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.

Charge To H & C

Street

City State

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

Cement Amount Ordered ~~Common~~ 3% CC 2% Gel 160 SK

Common	160
Poz. Mix	
Gel.	3
Calcium	5
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	168
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	8 5/8 Surface
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	41
Tax	
Discount	
Total Charge	

X Signature Rusty K

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 **Home Office P.O. Box 32 Russell, KS 67665** **No.** 7321

Cell 785-324-1041

Date 11-25-13	Sec. 9	Twp. 7	Range 23	County Grah.	State KS	On Location	Finish 11:15 P

Location H[illegible] C[illegible] 6N [illegible] Rd 2[illegible]

Lease Shaw	Well No. 9-1	Owner	
Contractor American Eagle #3		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 Prod. [illegible]			
Hole Size 7⅞	T.D. 3925'	Charge To M & C	
Csg. 5½	Depth @ 3924.46	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. 16.55'	Shoe Joint 19.55'	Cement Amount Ordered 200 C.P.C 10% Sal	
Meas Line	Displace 95 3/10 Bbl	5# Gilsonite ½ Flowseal	

EQUIPMENT			
Pumptrk 16	No.	Cementer	
		Helper B	
Bulktrk 1	No.	Driver	
		Driver D. [illegible]	
Bulktrk PU	No.	Driver	
		Driver Brett	

JOB SERVICES & REMARKS	
Remarks:	
Rat Hole 30 Sx	
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	
Mix 150 Sx C.P.C	
Pump 2 Bbl Fresh	
Mix 100 Sx C.P.C	
Displ. 95 3/10 Bbl	
Lift Pressure 700 PSI	
Land Plug @ 1500 PSI	
Plug Rat Hole	
X Signature	

		FLOAT EQUIPMENT
Common		
Poz. Mix		
Gel.		
Calcium		
Hulls		
Salt		
Flowseal		
Kol-Seal		
Mud CLR 48	500 Gal	
CFL-117 or CD110 CAF 38		
Sand		
Handling		
Mileage	5¢	
Guide Shoe		
Centralizer	10	
Baskets		
AFU Inserts		
Float Shoe	1	
Latch Down	1	
Rubber Plug	1	
Pumptrk Charge		
Mileage		
Tax		
Discount		
Total Charge		