



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1226863
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: _____

1226863

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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	New Gulf Operating LLC
Well Name	James 1-4
Doc ID	1226863

Tops

Name	Top	Datum
Anhysrite	2584	472
Base Anhydrite	2606	450
Heebner	4027	-971
Lansing	4070	-1014
Muncie Creek	4214	-1158
Stark	4296	-1240
Marmaton	4398	-1342
Pawnee	4502	-1446
Cherokee	4575	-1519
Johnson	4622	-1566
Morrow Shale	4646	-1590
Morrow Sand	4663	-1607
Miss	4679	-1623



CONSOLIDATED
Oil Well Services, LLC

271603

BCKET NUMBER 46691

LOCATION Oakley KS

FOREMAN Jerry Y

Ms las

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-7-14	5661	Jamas 1-4	4	12	32	Logan
CUSTOMER <u>New Gulf</u>			Oakley KS S to 25st W to 430 1/2 S with			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			599	Michael R		
STATE			460	B. J. ...		
ZIP CODE			5927127	B. U. S		
			assist	Collins S		

JOB TYPE 2 Stage HOLE SIZE 7 7/8 HOLE DEPTH 4780 CASING SIZE & WEIGHT 5 1/2 17#
 CASING DEPTH 4777 DRILL PIPE TURNING OTHER DU top 50 @ 2602
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL 1.42/1.89 WATER gal/sk _____ CEMENT LEFT in CASING 44'
 DISPLACEMENT 109.8/60 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig upon Val 4 run float & cement centralizers 1,2,3,6,9,12,15,18,49,51
basket 1/2 way upon 50 DU tool on top of 50 set @ 2602' run casing to bottom pump ball thru
& circ. 1 hr pump 500 gal mud flush, 5661 H₂O mix 200 sks OWC #5 Kol seal
shut down wash pump & lines release plug & displace with 109 1/2 bbl 50 lb 0.59 lb mud had
900# lift plug landed @ 1300# released back & float held shut down for 3 hrs open tool
pump 5661 H₂O mix 200 sks MHT, mix 300 sks Rh, mix 400 sks 60/40 pozmix 8' gel 1/4"
Closeal shutdown release plug wash pump & lines & displace with 60 bbl water 600#
lift plug landed & tool closed @ 1500# released back & float held circulated
approx 30' sks to pit
Thank you Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401c	1	PUMP CHARGE	3175 ⁰⁰	3175 ⁰⁰
5406	20	MILEAGE	5 ²⁵	105 ⁰⁰
5407A	28 3/4	ton mileage delivery	1 ⁷⁵	1006 ²⁵
1126	200 sks	OWC	23 ⁷⁰	4740 ⁰⁰
1110A	1000#	Kol seal	56	5600 ⁰⁰
1131	450 sks	60/40 pozmix	15 ⁸⁶	7137 ⁰⁰
1118b	3096 #	gel	27	8359 ²
1107	113 #	Flow seal	292	3351 ¹
1144G	500 gal	mud flush	1 ⁰⁰	500 ⁰⁰
4159	1	5 1/2 AFU float shoe (w)	433 ²⁵	433 ²⁵
4130	10	5 1/2 centralizers (w)	61 ⁰⁰	610 ⁰⁰
4104	1	5 1/2 basket (w)	290 ⁰⁰	290 ⁰⁰
4454	1	5 1/2 latch downassy (w)	567 ⁰⁰	567 ⁰⁰
4277A	1	5 1/2 stage collar (w)	490 ⁰⁰	490 ⁰⁰
		SN 590556 98-01	565 ¹⁰	2519 ⁶⁰
		leas 10% disc		2519 ⁵⁴
		sub total		22676 ⁸⁸
		SALES TAX		1439 ⁶⁷
		ESTIMATED TOTAL		24115 ⁶⁰

Revin 3737

AUTHORIZATION Ronnie Jones TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages, whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research, analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim, with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

New Gulf Operating
10441 S Regal BLVD
Tulsa, Ok 74133

4-12-32 Logan, Ks

James 1-4

Job Ticket: 59043

DST#: 1

ATTN: Steve Murphy/ Jim He

Test Start: 2014.10.02 @ 19:12:11

GENERAL INFORMATION:

Formation: **LKC EF**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:39:41
 Time Test Ended: 04:12:41
 Interval: **4136.00 ft (KB) To 4154.00 ft (KB) (TVD)**
 Total Depth: 4154.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 3056.00 ft (KB)
 3046.00 ft (CF)
 KB to GR/CF: 10.00 ft

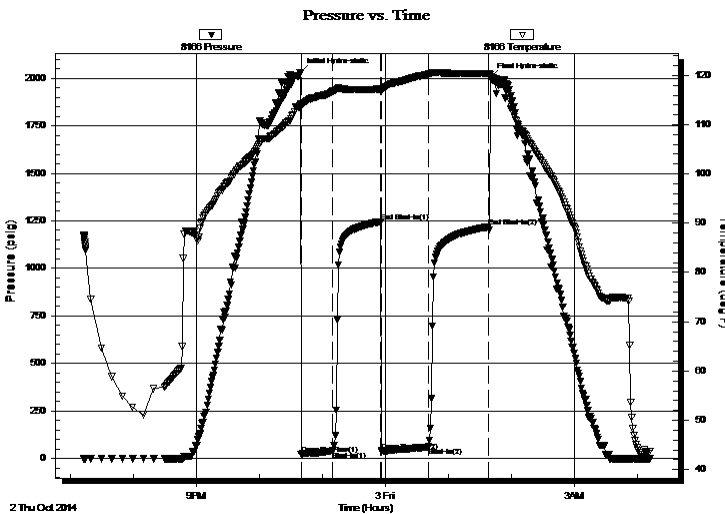
Serial #: 8166

Outside

Press @ Run Depth: 58.28 psig @ 4137.00 ft (KB)
 Start Date: 2014.10.02 End Date: 2014.10.03
 Start Time: 19:12:16 End Time: 04:12:41
 Capacity: 8000.00 psig
 Last Calib.: 2014.10.03
 Time On Btm: 2014.10.02 @ 22:38:41
 Time Off Btm: 2014.10.03 @ 01:40:11

TEST COMMENT: IF: BOB in 28 min.
 IS: Surface blow died in 10 min.
 FF: BOB in 25 min.
 FS: Surface blow died in 20 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.85	113.83	Initial Hydro-static
1	22.80	113.62	Open To Flow (1)
31	36.98	116.67	Shut-In(1)
77	1245.06	117.22	End Shut-In(1)
78	35.49	116.97	Open To Flow (2)
122	58.28	120.23	Shut-In(2)
180	1218.54	120.30	End Shut-In(2)
182	2004.63	120.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocm 10%g 10%o 80%m	0.59
63.00	go 10%g 90%o	0.88
0.00	186 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

New Gulf Operating
10441 S Regal BLVD
Tulsa, Ok 74133

4-12-32 Logan, Ks

James 1-4

Job Ticket: 59043

DST#: 1

ATTN: Steve Murphy/ Jim He

Test Start: 2014.10.02 @ 19:12:11

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.20 in³
Resistivity: 0.00 ohm.m
Salinity: 2500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 38 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	gocm 10%g 10%o 80%m	0.587
63.00	go 10%g 90%o	0.884
0.00	186 GIP	0.000

Total Length: 125.00 ft Total Volume: 1.471 bbl

Num Fluid Samples: 0

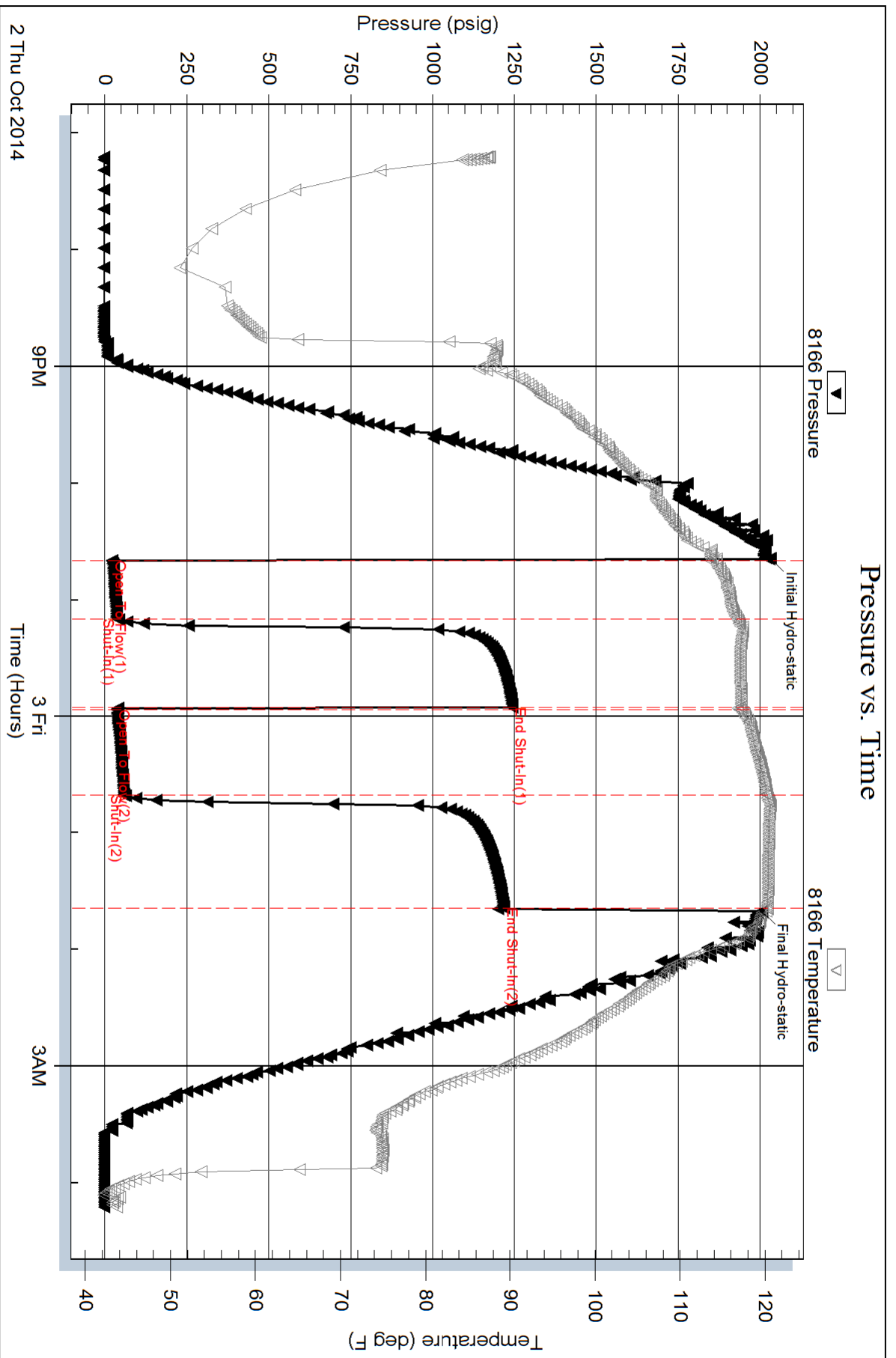
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Make sure to sent reports to Jim Henkle
jhenkle@newgulfresources.com
37@50=38





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

New Gulf Operating

4-12-32 Logan, Ks

10441 S Regal BLVD
Tulsa, Ok 74133

James 1-4

ATTN: Steve Murphy/ Jim He

Job Ticket: 59044

DST#: 2

Test Start: 2014.10.03 @ 17:54:42

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:09:42

Time Test Ended: 00:30:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4212.00 ft (KB) To 4244.00 ft (KB) (TVD)

Reference Elevations: 3056.00 ft (KB)

Total Depth: 4244.00 ft (KB) (TVD)

3046.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8166 Outside

Press @ Run Depth: 35.14 psig @ 4213.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.03 End Date: 2014.10.04

Last Calib.: 2014.10.04

Start Time: 17:54:47 End Time: 00:30:41

Time On Btm: 2014.10.03 @ 20:08:12

Time Off Btm: 2014.10.03 @ 22:27:42

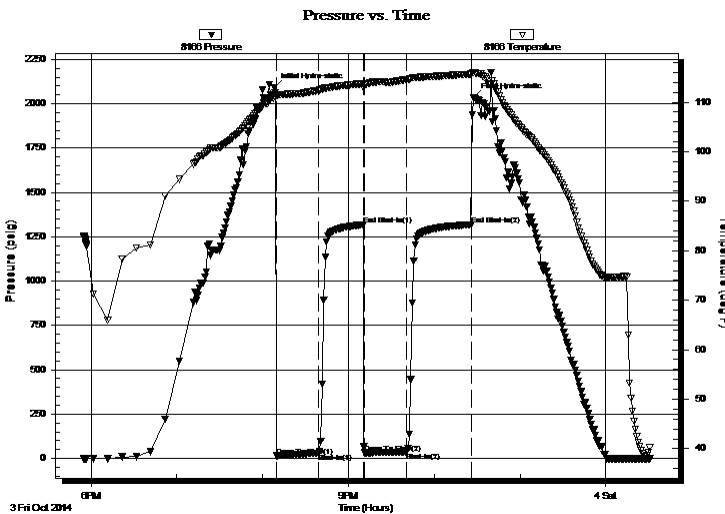
TEST COMMENT: IF: Surface blow built to 1/2 in 10 min died in 23 min.

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2089.33	111.16	Initial Hydro-static
2	14.63	111.34	Open To Flow (1)
31	30.41	112.39	Shut-In(1)
62	1317.51	113.75	End Shut-In(1)
63	31.14	113.46	Open To Flow (2)
93	35.14	114.56	Shut-In(2)
138	1318.57	115.65	End Shut-In(2)
140	2034.64	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud 100%m	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

New Gulf Operating

4-12-32 Logan, Ks

10441 S Regal BLVD
Tulsa, Ok 74133

James 1-4

Job Ticket: 59044

DST#: 2

ATTN: Steve Murphy/ Jim He

Test Start: 2014.10.03 @ 17:54:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	mud 100%m	0.419

Total Length: 50.00 ft Total Volume: 0.419 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

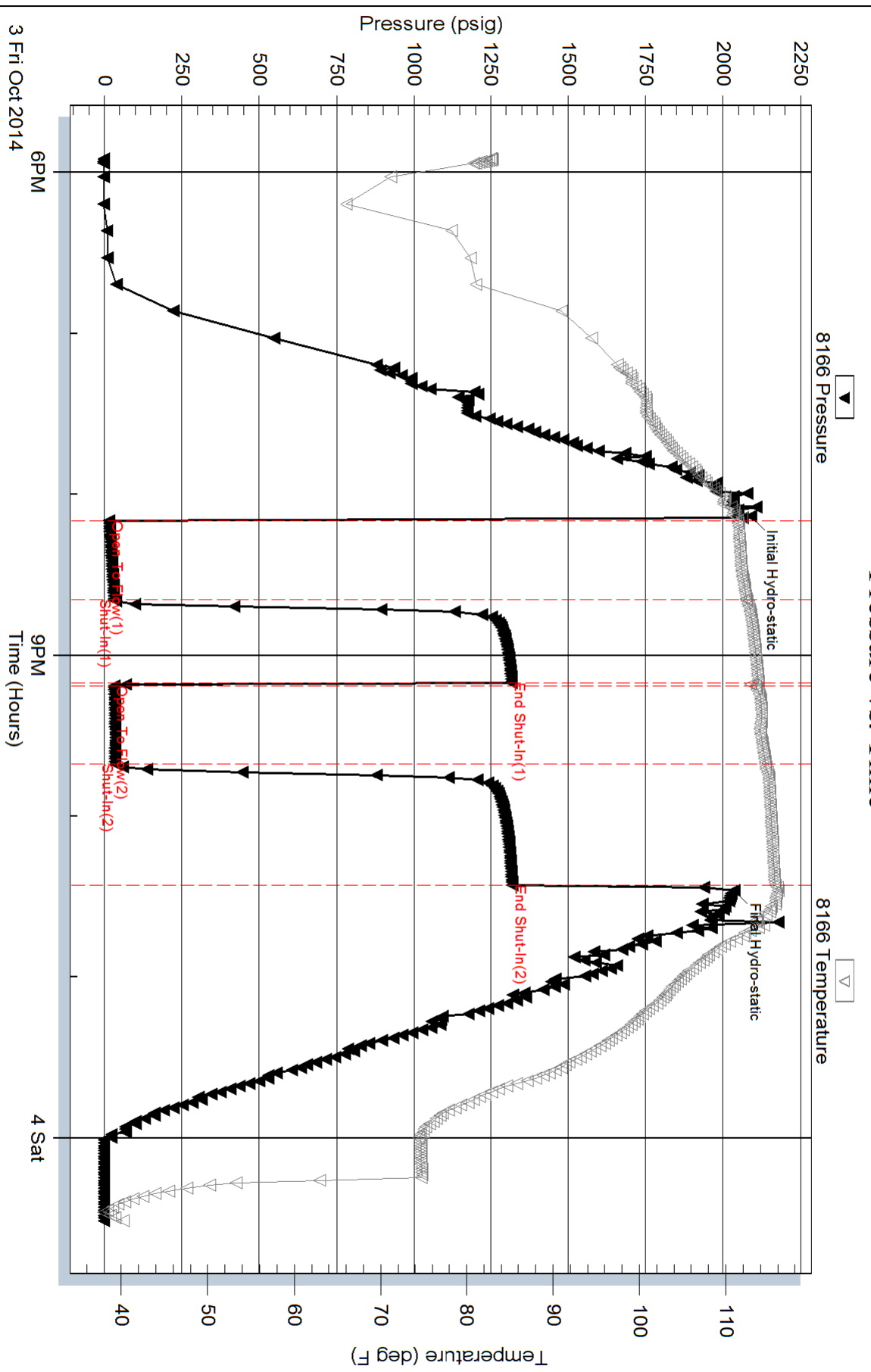
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

New Gulf Operating

4-12-32 Logan, Ks

10441 S Regal BLVD
Tulsa, Ok 74133

James 1-4

ATTN: Steve Murphy/ Jim He

Job Ticket: 59045

DST#: 3

Test Start: 2014.10.05 @ 18:30:25

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:38:25

Time Test Ended: 02:16:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4610.00 ft (KB) To 4646.00 ft (KB) (TVD)

Reference Elevations: 3056.00 ft (KB)

Total Depth: 4646.00 ft (KB) (TVD)

3046.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8166 Outside

Press @ Run Depth: 67.66 psig @ 4611.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.05

End Date:

2014.10.06

Last Calib.:

2014.10.06

Start Time: 18:30:30

End Time:

02:16:24

Time On Btm:

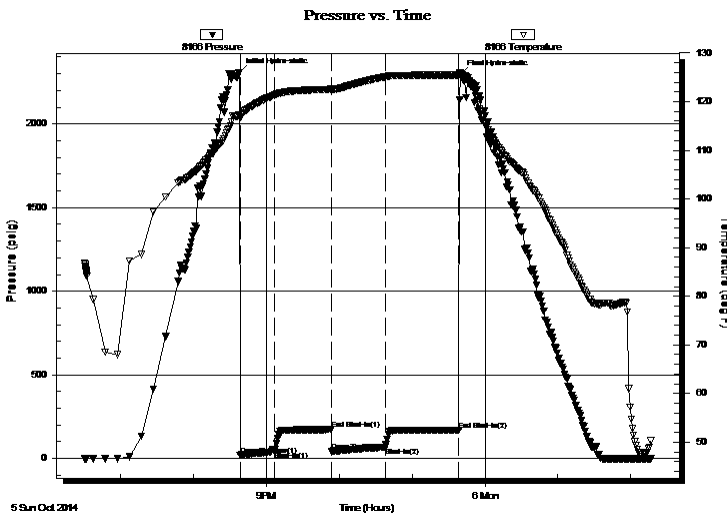
2014.10.05 @ 20:37:55

Time Off Btm:

2014.10.05 @ 23:39:55

TEST COMMENT: IF: BOB in 7 min.
IS: Weak surface blow died in 8 min.
FF: BOB in 4 min.
FS: Surface blow built to 1/2 died in 30 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2307.91	117.37	Initial Hydro-static
1	18.73	116.70	Open To Flow (1)
29	42.43	121.35	Shut-In(1)
76	172.86	122.55	End Shut-In(1)
76	42.37	122.50	Open To Flow (2)
120	67.66	125.09	Shut-In(2)
181	170.57	125.46	End Shut-In(2)
182	2294.93	125.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocw m 10%g 10%o 5%w 75%m	0.59
62.00	gocm 10%g 10%o 80%w	0.87
30.00	go 5%g 95%o	0.42
0.00	1210 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

New Gulf Operating

4-12-32 Logan, Ks

10441 S Regal BLVD
Tulsa, Ok 74133

James 1-4

Job Ticket: 59045

DST#: 3

ATTN: Steve Murphy/ Jim He

Test Start: 2014.10.05 @ 18:30:25

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	gocw m 10%g 10%o 5%w 75%m	0.587
62.00	gocm 10%g 10%o 80%w	0.870
30.00	go 5%g 95%o	0.421
0.00	1210 GIP	0.000

Total Length: 154.00 ft

Total Volume: 1.878 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 28@50=27

