



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1237404
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
-----------------------------------	-----------------	---

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: _____



1237404

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 <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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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: <input 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 <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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	American Oil LLC
Well Name	Kohl 2-19
Doc ID	1237404

Tops

Name	Top	Datum
Anhydrite	1371	643
Topeka	3029	-1015
Heebner	3250	-1236
Toronto	3275	-1261
Lansing	3291	-1277
B/KC	3516	-1502
Simpson D.	3589	-1575
Arbuckle	3601	-1587
LTD	3660	-1646

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. 077

Date	6-22-14	Sec.	19	Twp.	11	Range	19	County	Ellis	State	Ks	On Location		Finish	745 P.M.
------	---------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	----------

Lease Kohl Well No. 2-19 Location Parcemento + I-70, N to Buckeye Rd

Contractor Discovery 1 Owner 200 to 170 Rd, 4 1/2 N Wichita
To Quality Oilwell Cementing, Inc.

Type Job Plug 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 7 7/8" T.D. 3660' Charge To American oil

Csg. Depth Street

Tbg. Size 4 1/2" D.P. Depth 3577' City State

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

Cement Left in Csg. Shoe Joint Cement Amount Ordered 305 60140 4% Gel 1/4 H/F 10 gal

Meas Line Displace H2O / mud

EQUIPMENT

Pumptrk <u>16</u> No.	Cementer		Common
	Helper <u>Billy</u>		Poz. Mix
Bulktrk <u>9</u> No.	Driver		Gel.
	Driver <u>Ryan</u>	<u>Tyler</u>	Calcium
Bulktrk <u>p.u.</u> No.	Driver		Hulls
	Driver <u>Rick</u>		Salt

JOB SERVICES & REMARKS

Remarks: 3577' - 50SX

Rat Hole 1465' - 50SX

Mouse Hole 750' - 100SX

Centralizers 275' - 50SX

Baskets 40' - 10SX w/ plug

D/V or Port Collar Rathole w/ 30SX

Mouse hole w/ 15 SX

Cement did circulate

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

1 - Drag hole plug

Pumptrk Charge

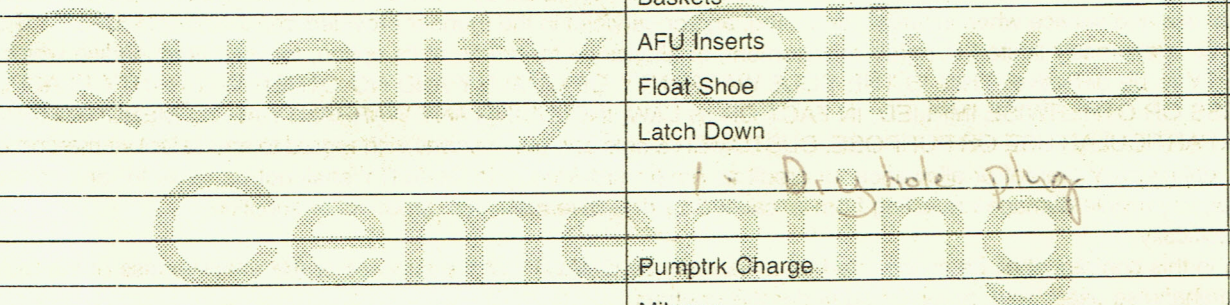
Mileage

Tax

Discount

Total Charge

X Signature Chf Mappel



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. 077

Date	6-22-14	Sec.	19	Twp.	11	Range	19	County	Ellis	State	Ks	On Location		Finish	7:45 P.M.
------	---------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	-----------

Lease Kohl Well No. 2-19 Location Yocemento + I-70, N to Buckeye Rd

Owner 2w to 170 Rd, 4 1/2 N w/Info
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 Discovery 1 Type Job Plug Charge To American oil

Hole Size 7 7/8" T.D. 3660' Street _____

Csg. _____ Depth _____ City _____ State _____

Tbg. Size 4 1/2" D.P. Depth 3577' The above was done to satisfaction and supervision of owner agent or contractor.

Tool _____ Depth _____ Cement Amount Ordered 305 60/40 4% Gel 1/4 H₂O seal

Cement Left in Csg. _____ Shoe Joint _____

Meas Line _____ Displace H₂O / mud

EQUIPMENT

Pumptrk	16	No.	Cementer	Billy	Common	183
			Helper		Poz. Mix	122
Bulktrk	9	No.	Driver	Ryan	Gel.	11
			Driver	Tyler		
Bulktrk	p.u.	No.	Driver	Rick	Calcium	
			Driver			

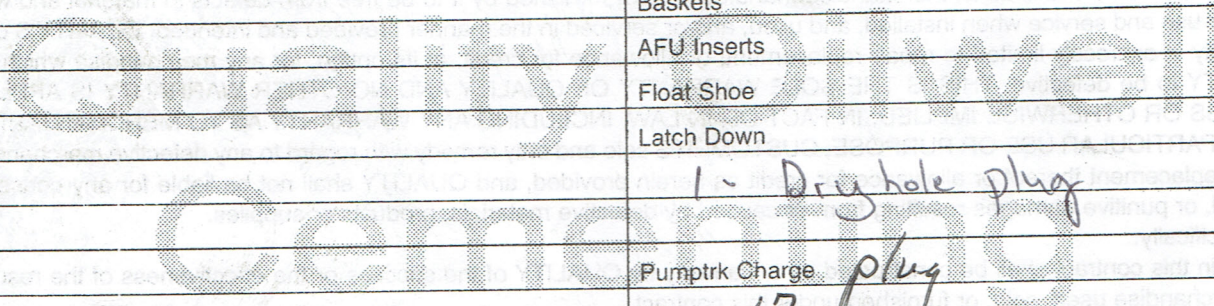
JOB SERVICES & REMARKS

Remarks:	3577' - 50SX	Salt
Rat Hole	1465' - 50SX	Flowseal 76#
Mouse Hole	750' - 100SX	Kol-Seal
Centralizers	275' - 50SX	Mud CLR 48
Baskets	40' - 10 SX w/ plug	CFL-117 or CD110 CAF 38
D/V or Port Collar	Rathole w/ 30SX	Sand
	Mouse hole w/ 15 SX	Handling 3/6
		Mileage

Cement did Circulate

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1 - Dry hole plug
Pumptrk Charge	plug
Mileage	17



X Signature <u>Chf Mappelo</u>	Tax	
	Discount	
	Total Charge	



DRILL STEM TEST REPORT

Prepared For: **American Oil LLC**

1023 Reservation Rd.
Hays KS 67601

ATTN: Austin Klaus / Zach

Kohl #2-9

19-11s-19w Ellis,KS

Start Date: 2014.06.21 @ 18:45:00

End Date: 2014.06.22 @ 01:53:30

Job Ticket #: 55295 DST #: 1

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

Printed: 2014.06.24 @ 10:51:14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Oil LLC

19-11s-19w Ellis,KS

1023 Reservation Rd.
Hays KS 67601

Kohl #2-9

Job Ticket: 55295

DST#: 1

ATTN: Austin Klaus / Zach

Test Start: 2014.06.21 @ 18:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:24:00

Time Test Ended: 01:53:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 67

Interval: 3565.00 ft (KB) To 3615.00 ft (KB) (TVD)

Reference Elevations: 2014.00 ft (KB)

Total Depth: 3615.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8679

Inside

Press@RunDepth: 132.90 psig @ 3601.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.21

End Date:

2014.06.22

Last Calib.:

2014.06.21

Start Time: 18:45:01

End Time:

01:53:30

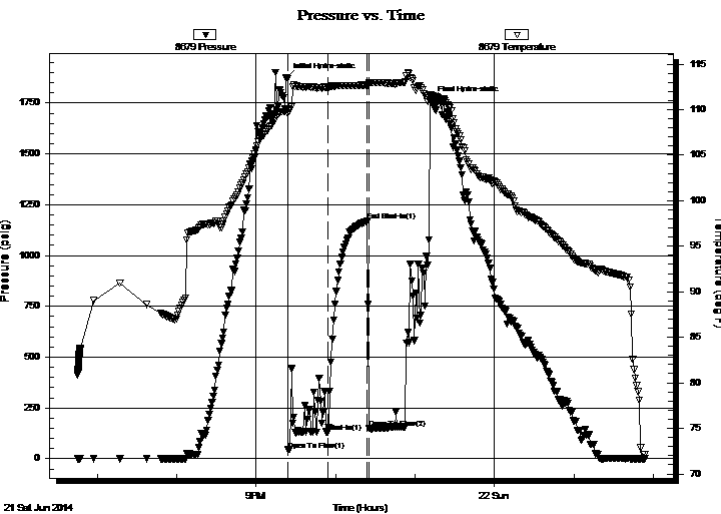
Time On Btm:

2014.06.21 @ 21:23:00

Time Off Btm:

2014.06.21 @ 23:12:00

TEST COMMENT: I.F. - 30 - 1/2" blow built to BOB in 4 min
I.S.I. - 30 - No blow back
F.F. - 45 - 1/2" blow built to 5" in 38 min then packers failed pulled tool at 45 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1874.66	110.06	Initial Hydro-static
1	44.31	109.57	Open To Flow (1)
31	132.90	112.47	Shut-In(1)
61	1168.83	112.69	End Shut-In(1)
62	149.67	112.78	Open To Flow (2)
109	1764.02	111.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1386.00	MUD " SHOW OF FREE OIL IN TEST TOOL	19.16

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Oil LLC
 1023 Reservation Rd.
 Hays KS 67601
 ATTN: Austin Klaus / Zach

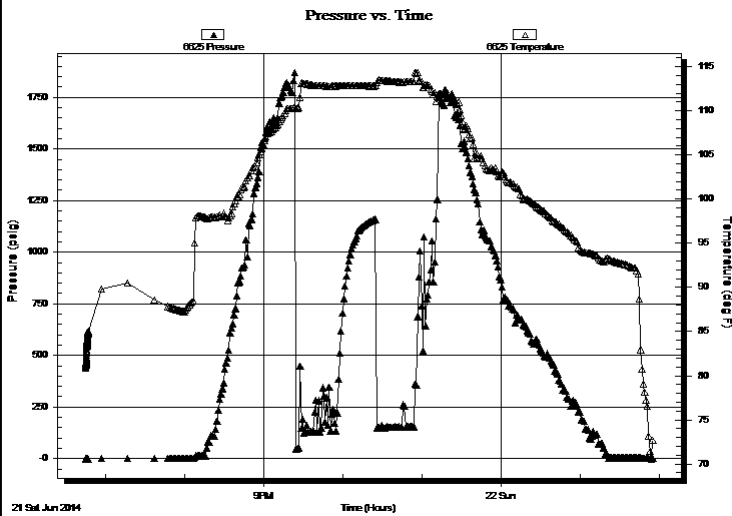
19-11s-19w Ellis, KS
Kohl #2-9
 Job Ticket: 55295 **DST#: 1**
 Test Start: 2014.06.21 @ 18:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 21:24:00 Tester: Bob Hamel
 Time Test Ended: 01:53:30 Unit No: 67
 Interval: **3565.00 ft (KB) To 3615.00 ft (KB) (TVD)** Reference Elevations: 2014.00 ft (KB)
 Total Depth: 3615.00 ft (KB) (TVD) 2006.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6625 Outside
 Press@RunDepth: psig @ 3601.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.21 End Date: 2014.06.22 Last Calib.: 2014.06.22
 Start Time: 18:45:01 End Time: 01:55:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: I.F. - 30 - 1/2" blow built to BOB in 4 min
 I.S.I. - 30 - No blow back
 F.F. - 45 - 1/2"blow built to 5" in 38 min then packers failed pulled tool at 45 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1386.00	MUD " SHOW OF FREE OIL IN TEST TOOL	19.16

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Oil LLC

19-11s-19w Ellis,KS

1023 Reservation Rd.
Hays KS 67601

Kohl #2-9

Job Ticket: 55295

DST#: 1

ATTN: Austin Klaus / Zach

Test Start: 2014.06.21 @ 18:45:00

Tool Information

Drill Pipe:	Length: 3536.00 ft	Diameter: 3.80 inches	Volume: 49.60 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 49.75 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3565.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3546.00	
Shut In Tool	5.00			3551.00	
Hydraulic tool	5.00			3556.00	
Packer	4.00			3560.00	20.00 Bottom Of Top Packer
Packer	5.00			3565.00	
Stubb	1.00			3566.00	
Perforations	1.00			3567.00	
Change Over Sub	1.00			3568.00	
Drill Pipe	32.00			3600.00	
Change Over Sub	1.00			3601.00	
Recorder	0.00	6625	Outside	3601.00	
Recorder	0.00	8679	Inside	3601.00	
Perforations	10.00			3611.00	
Bullnose	4.00			3615.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Oil LLC

19-11s-19w Ellis,KS

1023 Reservation Rd.
Hays KS 67601

Kohl #2-9

Job Ticket: 55295

DST#: 1

ATTN: Austin Klaus / Zach

Test Start: 2014.06.21 @ 18:45:00

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 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
1386.00	MUD " SHOW OF FREE OIL IN TEST TOOL "	19.160

Total Length: 1386.00 ft Total Volume: 19.160 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

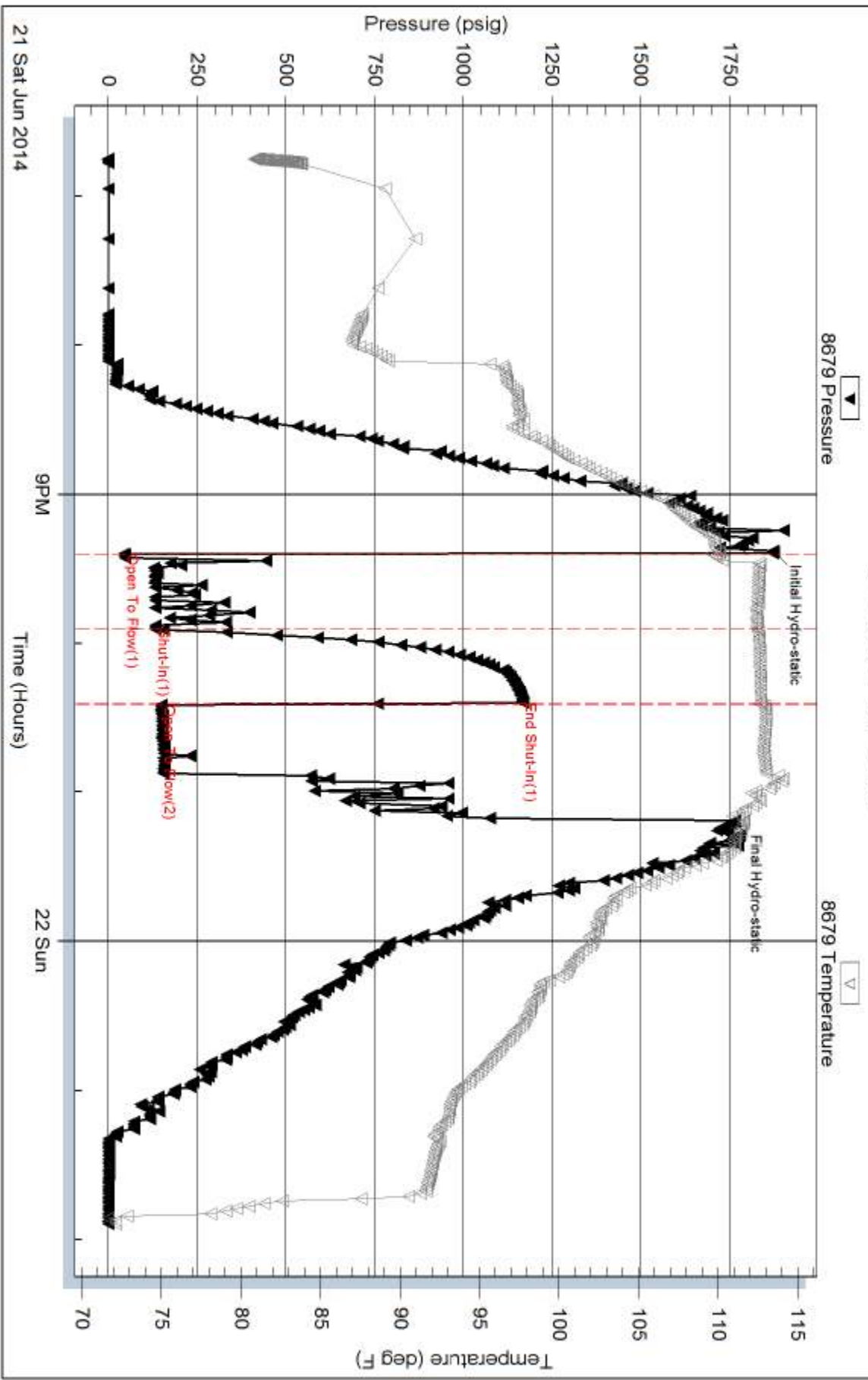
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 38 Min. into second open Blow w ent from 5" to B.O.B. Instant checked fluid level in hole couldn't see it filled hole fluid level stayed for a min. then started slow ly dropping tried increasing w eight on packer didnt help pulled tool at 45 min. on second open....PACKER FAILURE..

Pressure vs. Time

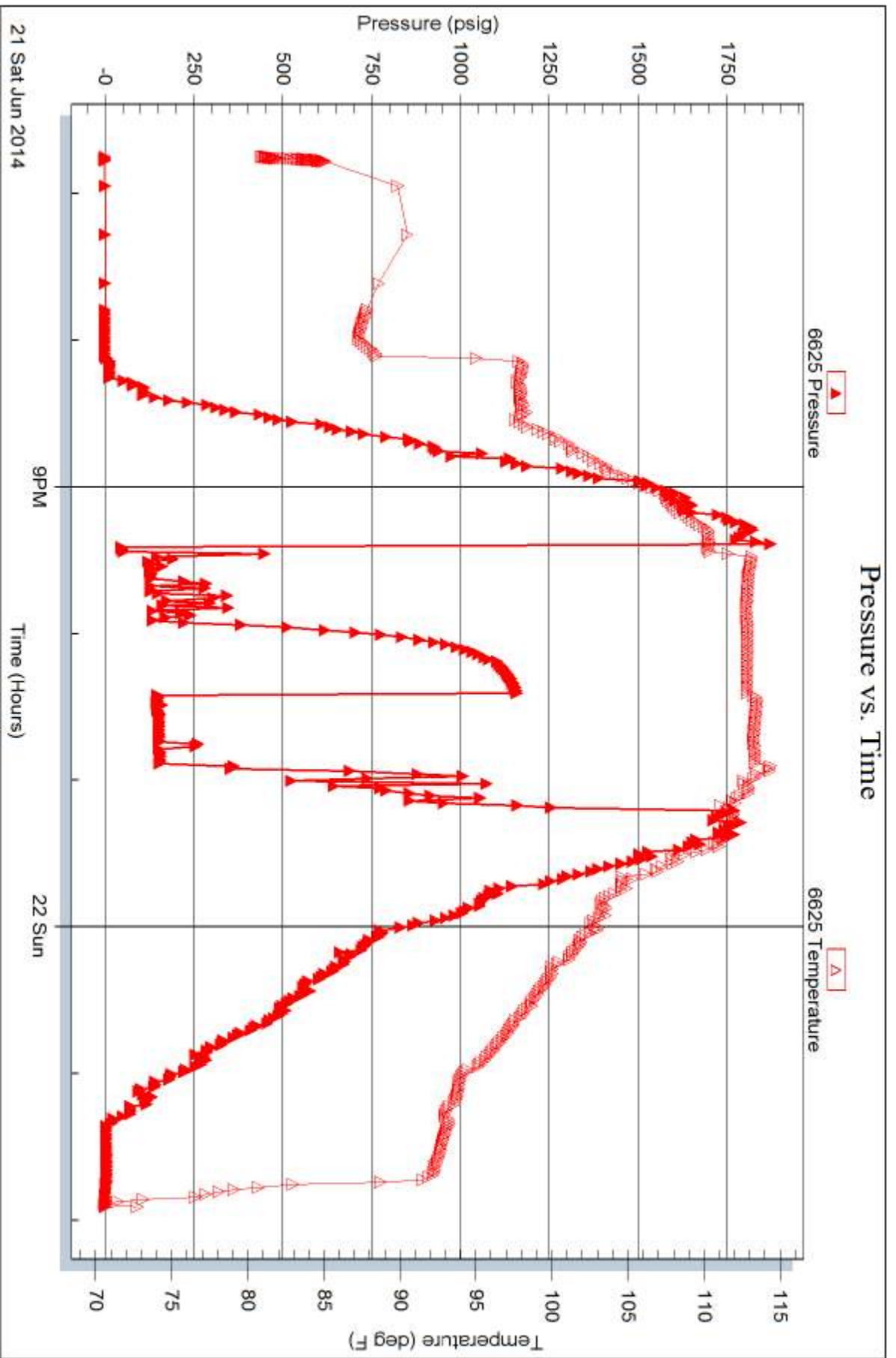


Serial #: 6625

Outside American Oil LLC

Kohl #2-9

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55295

Printed: 2014.06.24 @ 10:51:15



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55295

Well Name & No. Kohl #2-19 Test No. 1 Date 6-21-14
 Company American Oil Co. Elevation 2014 KB 2006 GL
 Address 1023 Reservation R.D. Hays, KS. 67601
 Co. Rep / Geo. Zach Patterson / Austin Klaus Rig Discovery #1
 Location: Sec. 19 Twp. 11-S. Rge. 19-W Co. Ellis State KS.

Interval Tested 3565 - 3615 Zone Tested Arbuckle
 Anchor Length 50' Drill Pipe Run 3536 Mud Wt. 9.4
 Top Packer Depth 3560 Drill Collars Run 31' Vis 50
 Bottom Packer Depth 3565 Wt. Pipe Run — WL 9.6
 Total Depth 3615 Chlorides 3,000 ppm System LCM 1/2

Blow Description I.F.-30-1/2" INT. Blow Built to (B.O.B. in 4 min.)
I.S.I.-30- No B.B.
E.F.-60-1/2" INT. Blow Built to (5" in 38 min.) then B.O.B. Couldn't keep
E.S.I.-60 Hole Full (Pulled tool on second open @ 45 min.)..

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>1,386'</u>	Feet of <u>Mud</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1,386' BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1,875 Test 950 T-On Location 17:45:00
 (B) First Initial Flow 44 Jars _____ T-Started 18:45:00
 (C) First Final Flow 133 Safety Joint _____ T-Open 21:45:00
 (D) Initial Shut-In 1169 Circ Sub _____ T-Pulled 23:30:00
 (E) Second Initial Flow 150 Hourly Standby _____ T-Out 02:10:00
 (F) Second Final Flow 155 Mileage 60rt 93 Comments _____
 (G) Final Shut-In N/A Sampler _____ "Thank-you"
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 60 Day Standby _____ Total 1043
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total 1043

Approved By _____ Our Representative Bob Thomas

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.