



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199069
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: _____

1199069

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
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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: _____ _____
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Form	ACO1 - Well Completion
Operator	Prospect Oil & Gas Corp
Well Name	Bitter 2
Doc ID	1199069

All Electric Logs Run

DI.
COMP
N-D
MICRO

Form	ACO1 - Well Completion
Operator	Prospect Oil & Gas Corp
Well Name	Bitter 2
Doc ID	1199069

Tops

Name	Top	Datum
ANHYDRITE	905	+1032
BASE	935	+1002
TOPEKA	2849	-912
HEEBNER SHALE	3081	-1143
TORONTO	3099	-1158
LANSING	3148	-1210
BKC	3351	-1412
ARBUCKLE	3361	-1426

QUALITY OILWELL CEMENTING, INC.

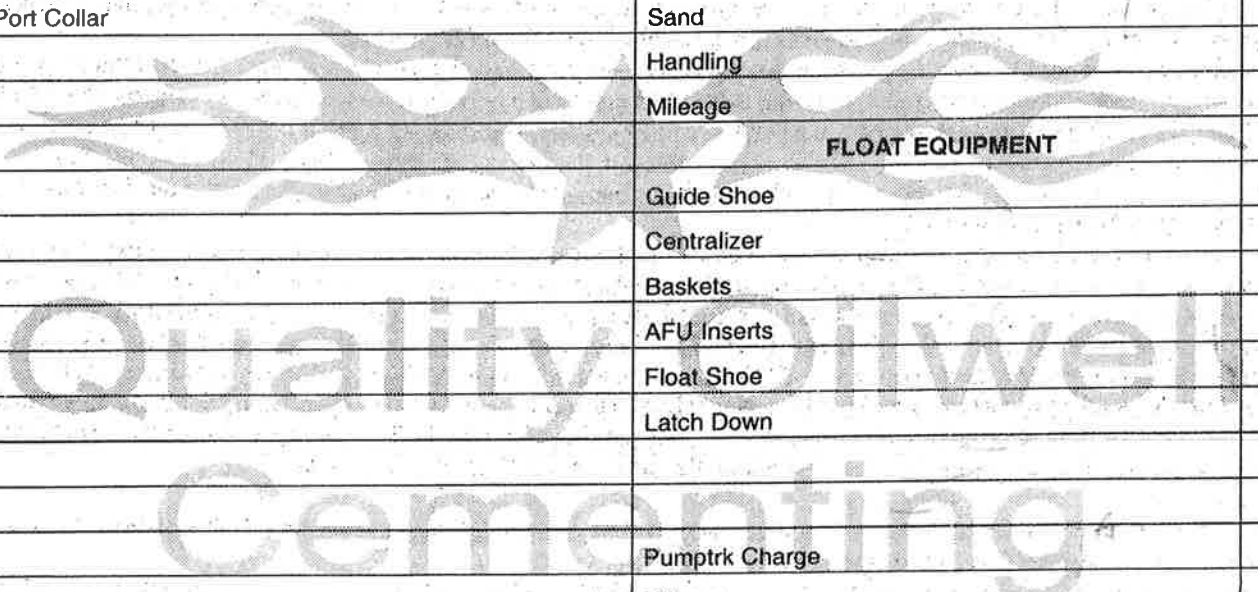
Federal Tax I.D.# 20-2886107

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

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

No. 7181

Date	3-21-14	Sec.	11	Twp.	16	Range	14	County	Barton	State	Ks	On Location		Finish	11:00 PM
Lease								Well No.		Owner					
Bitter								2		3/4 E, 5/4 N					
Contractor								To Quality Oilwell Cementing, Inc.							
Royal 2								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								Charge To							
Surface								Prospect oil & gas							
Hole Size				T.D.				Depth				Street			
12 1/4"				413'				413'							
Csg.				Depth				City				State			
8 5/8"				20'											
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
				20'				Cement Amount Ordered							
Cement Left in Csg.				Shoe Joint				2000 Cam 3% Cu 7% Gel							
20'				20'											
Meas Line				Displace											
				25 RLS											
EQUIPMENT								Common							
Pumptrk				No.				Cementer				Poz. Mix			
16								Billy							
Bulktrk				No.				Driver				Gel.			
3								Lennie M.							
Bulktrk				No.				Driver				Calcium			
pull								Rick							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Cement did Circulate								Flowseal							
Rat Hole								Kol-Seal							
Mouse Hole								Mud CLR 48							
Centralizers								CFL-117 or CD110 CAF 38							
Baskets								Sand							
D/V or Port Collar								Handling							
								Mileage							
								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
								Total Charge							
Signature															



X Signature *[Handwritten 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. 7190

Date	3-29-14	Sec.	11	Twp.	16	Range	14	County	Barton	State	Ks	On Location		Finish	2:30 PM				
Lease								Well No.		Owner									
Bitter								2		STINT									
Contractor								To Quality Oilwell Cementing, Inc.											
Roval #2								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								Charge To											
Bottom Stage								Prospect oil & gas											
Hole Size				T.D.				Street				City				State			
7 7/8"				3440'															
Csg. No.				Depth				Street				City				State			
5 1/2" 15.500				3439'															
Tbg. Size				Depth				City				State							
				1015.15'															
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.											
DU Tool				1015.15'															
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered											
16.66				16.66				150 Com 10% Salt 576 lbs											
Meas Line				Displace				500 gal mud clean 48											
				82 BLS															
EQUIPMENT												Common							
Pumptrk		No.		Cementer		Helper		Poz. Mix											
16				Billy		Rick													
Bulktrk		No.		Driver		Driver		Gel.											
8				Lonnie W.															
Bulktrk		No.		Driver		Driver		Calcium											
3				Ryan															
JOB SERVICES & REMARKS												Hulls							
Remarks:												Salt							
Rat Hole												Flowseal							
Mouse Hole												Kol-Seal							
Centralizers												Mud CLR 48							
1, 3, 5, 7, 9, 11, 13, 15, 17, 59																			
Baskets												CFL-117 or CD110 CAF 38							
2, 60																			
D/V or Port Collar #60 - 1015'												Sand							
Pipe on bottom break (quantity)												Handling							
m 150 50 Com 10% Salt												Mileage							
5/8" Cementer sub down wash pump												FLOAT EQUIPMENT							
+ lines Rebased plug + Displaced plug												Guide Shoe							
with 82 BLS of water Rebased and												Centralizer 9 tubs 1 Reg							
held.												Baskets 2							
Lift pressure 600 #												AFU Inserts							
Load plug to 1500 #												Float Shoe 1							
												Latch Down							
Deep Dash + open bit												DU Tool Assembly							
wt 800 #																			
Break Circulation												Pumptrk Charge							
												Mileage							
												Tax							
												Discount							
X Signature												Total Charge							

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. 7191

Date	3-29-14	Sec.	11	Twp.	16	Range	14	County	Barton	State	Ks	On Location		Finish	3:30 PM
Lease								Well No.		Owner					
Contractor								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								Charge To		To					
Hole Size								T.D.		Depth					
Csg.								Depth		Street					
Tbg. Size								Depth		City					
Tool								Depth		State					
Cement Left in Csg.								Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line								Displace		Cement Amount Ordered					
EQUIPMENT															
Pumptrk								No.		Common					
Bulktrk								No.		Poz. Mix					
Bulktrk								No.		Gel.					
Bulktrk								No.		Calcium					
JOB SERVICES & REMARKS															
Remarks:										Hulls					
Rat Hole										Salt					
Mouse Hole										Flowseal					
Centralizers										Kol-Seal					
Baskets										Mud CLR 48					
DIY or Port Collar										CFL-117 or CD110 CAF 38					
Pipe on bottom break										Sand					
plug Rathole w/ 3" plug										Handling					
manhole w/ 1.5" plug										Mileage					
FLOAT EQUIPMENT															
+ mix 155 ss Cement - Shut down										Guide Shoe					
Wash pump + hoses. Released plug +										Centralizer					
Displaced plug with 24 BLS of										Baskets					
water. Released + held										AFU Inserts					
Lift pressure 500 #										Float Shoe					
Closed tool w/ 1500 #										Latch Down					
Cement did circulate										Pumptrk Charge					
plate										Mileage					
X Signature												Tax			
												Discount			
												Total Charge			



DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas**

PO Box 837
Russell KS 67665

ATTN: Randy Kilian

Bitter #2

11-16s-14w Barton,KS

Start Date: 2014.03.27 @ 05:06:22

End Date: 2014.03.27 @ 12:11:42

Job Ticket #: 53688 DST #: 1

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

Printed: 2014.04.02 @ 10:54:36



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 53688

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.03.27 @ 05:06:22

GENERAL INFORMATION:

Formation: **LKC B-C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:16:22
 Time Test Ended: 12:11:42
 Interval: **3155.00 ft (KB) To 3200.00 ft (KB) (TVD)**
 Total Depth: 3200.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 44
 Reference Elevations: 1936.00 ft (KB)
 ft (CF)
 KB to GR/CF: ft

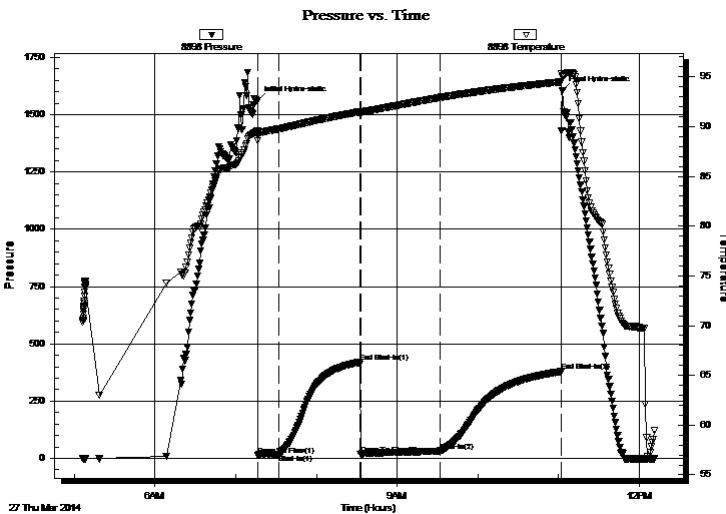
Serial #: 8898

Outside

Press@RunDepth: 30.89 psig @ 3163.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.27 End Date: 2014.03.27 Last Calib.: 2014.03.27
 Start Time: 05:06:23 End Time: 12:11:42 Time On Btm: 2014.03.27 @ 07:16:12
 Time Off Btm: 2014.03.27 @ 11:03:12

TEST COMMENT: Weak surface blow built to 3 1/2"
 Dead no blow back
 Strong blow built to 8"
 Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.90	89.53	Initial Hydro-static
1	14.50	88.56	Open To Flow (1)
16	19.24	89.76	Shut-In(1)
76	419.62	91.47	End Shut-In(1)
77	19.17	91.41	Open To Flow (2)
136	30.89	92.90	Shut-In(2)
227	378.91	94.48	End Shut-In(2)
228	1605.92	94.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	10%O 45%W 45%M	0.21
20.00	20%O 10%W 70%M	0.28
0.00	85 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 53688

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.03.27 @ 05:06:22

GENERAL INFORMATION:

Formation: **LKC B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:16:22

Time Test Ended: 12:11:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 44

Interval: 3155.00 ft (KB) To 3200.00 ft (KB) (TVD)

Reference Elevations: 1936.00 ft (KB)

Total Depth: 3200.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: ft

Serial #: 8897

Inside

Press@RunDepth: psig @ 3163.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.27 End Date: 2014.03.27

Last Calib.: 2014.03.27

Start Time: 05:06:09 End Time: 12:11:28

Time On Btm:

Time Off Btm:

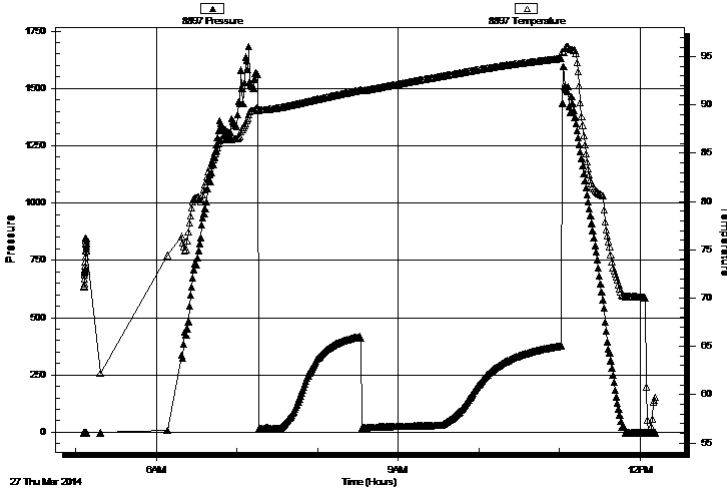
TEST COMMENT: Weak surface blow built to 3 1/2"

Dead no blow back

Strong blow built to 8"

Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	10%O 45%W 45%M	0.21
20.00	20%O 10%W 70%M	0.28
0.00	85 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 53688

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.03.27 @ 05:06:22

Tool Information

Drill Pipe:	Length: 3154.00 ft	Diameter: 3.80 inches	Volume: 44.24 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: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 44.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3155.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 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			3133.00	
Hydraulic tool	5.00			3138.00	
Jars	5.00			3143.00	
Safety Joint	3.00			3146.00	
Packer	5.00			3151.00	27.00 Bottom Of Top Packer
Packer	4.00			3155.00	
Stubb	1.00			3156.00	
Perforations	7.00			3163.00	
Recorder	0.00	8897	Inside	3163.00	
Recorder	0.00	8898	Outside	3163.00	
Change Over Sub	1.00			3164.00	
Drill Pipe	32.00			3196.00	
Change Over Sub	1.00			3197.00	
Bullnose	3.00			3200.00	45.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 53688

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.03.27 @ 05:06:22

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 64.00 sec/qt
Water Loss: 7.18 in³
Resistivity: ohm.m
Salinity: 4900.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	10%O 45%W 45%M	0.210
20.00	20%O 10%W 70%M	0.281
0.00	85 GIP	0.000

Total Length: 35.00 ft Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

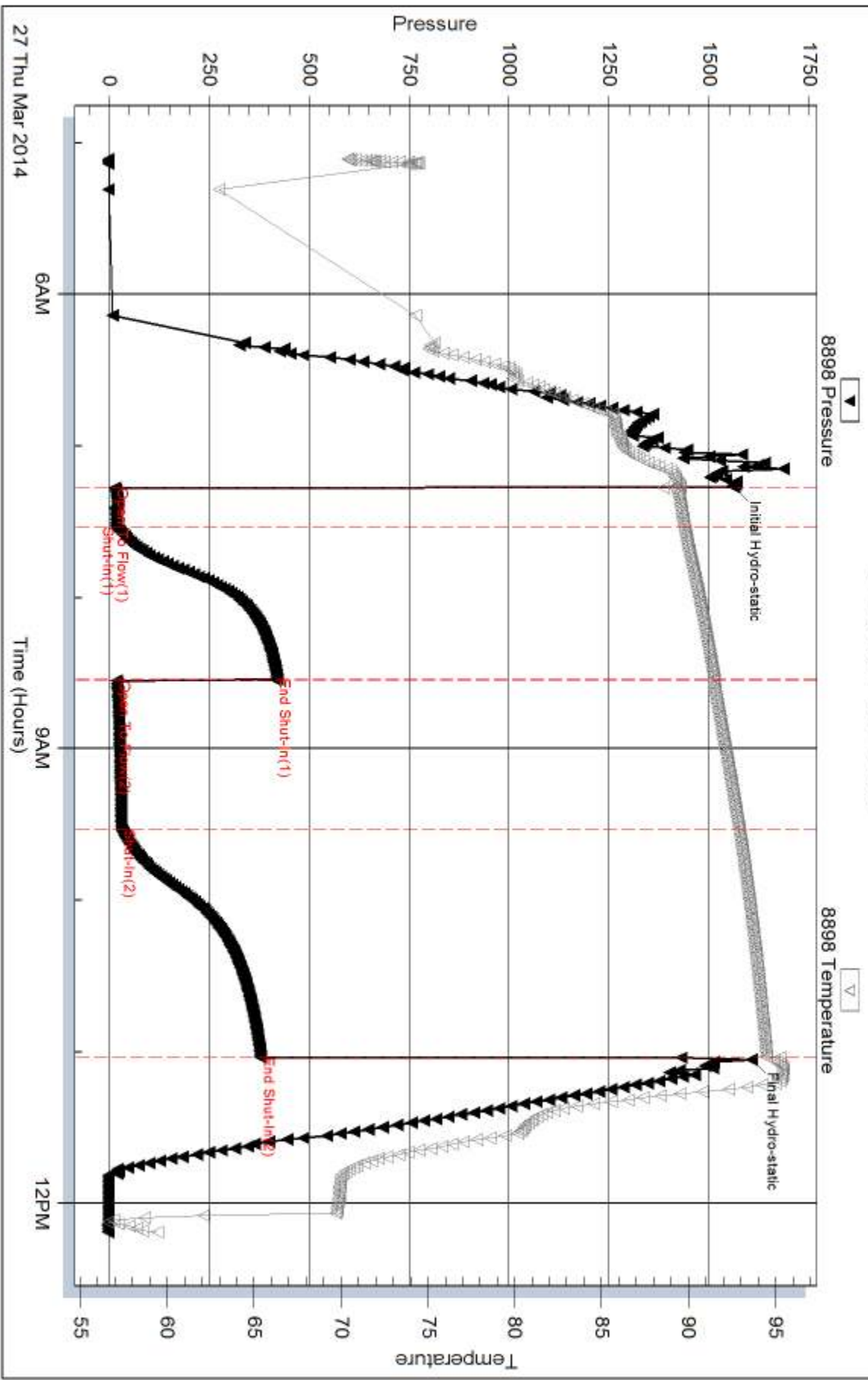
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



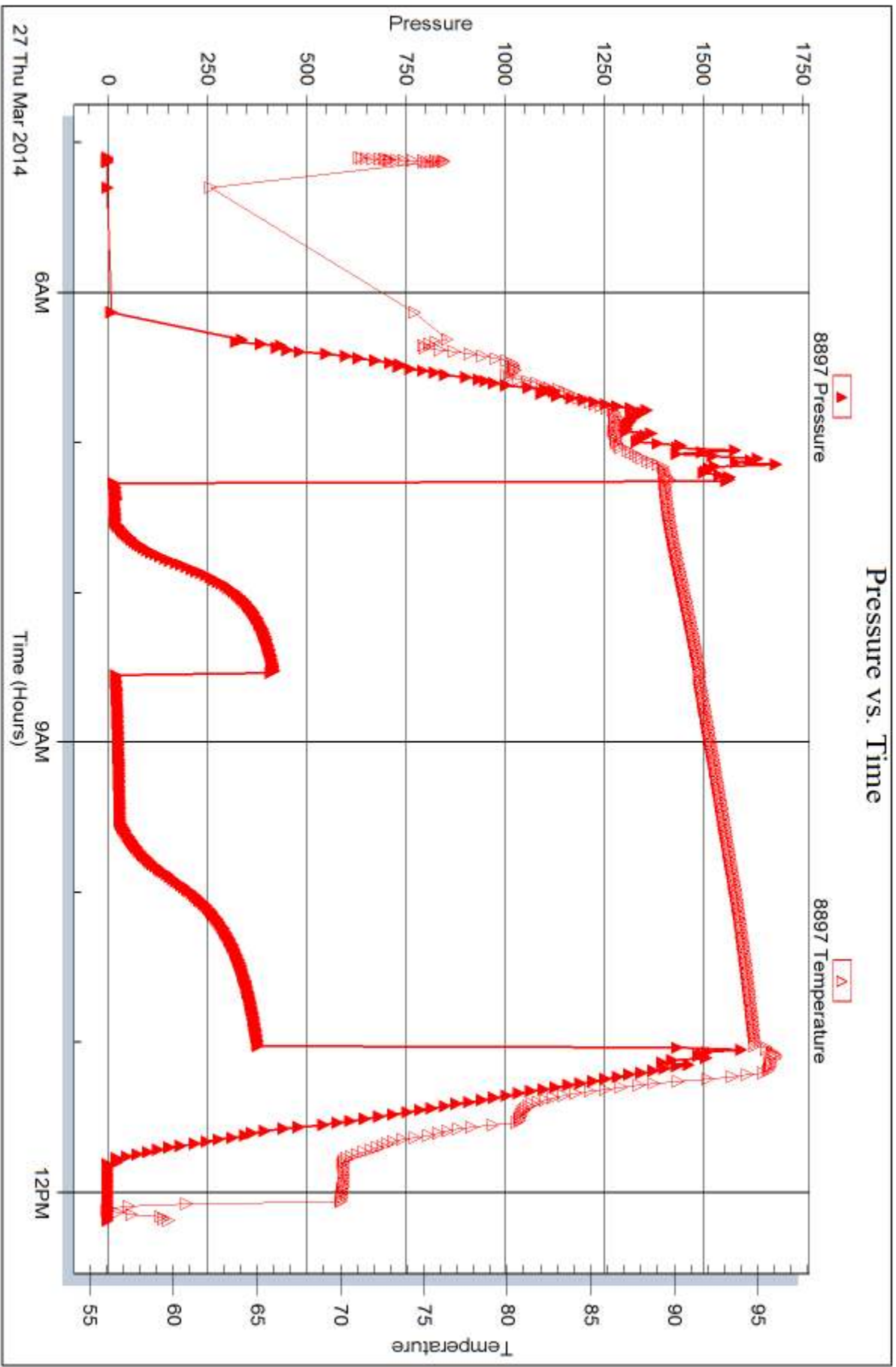
Serial #: 8897

Inside

Prospect Oil & Gas

Bitter #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas**

PO Box 837
Russell KS 67665

ATTN: Randy Kilian

Bitter #2

11-16s-14w Barton,KS

Start Date: 2014.03.28 @ 00:10:39

End Date: 2014.03.28 @ 07:23:09

Job Ticket #: 53689 DST #: 2

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

Printed: 2014.04.02 @ 10:43:14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 53689

DST#: 2

ATTN: Randy Kilian

Test Start: 2014.03.28 @ 00:10:39

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:03:59

Time Test Ended: 07:23:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 44

Interval: 3280.00 ft (KB) To 3340.00 ft (KB) (TVD)

Reference Elevations: 1936.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: ft

Serial #: 8898 Outside

Press@RunDepth: 57.63 psig @ 3288.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.28

End Date:

2014.03.28

Last Calib.:

2014.03.28

Start Time: 00:10:40

End Time:

07:23:09

Time On Btm:

2014.03.28 @ 02:03:49

Time Off Btm:

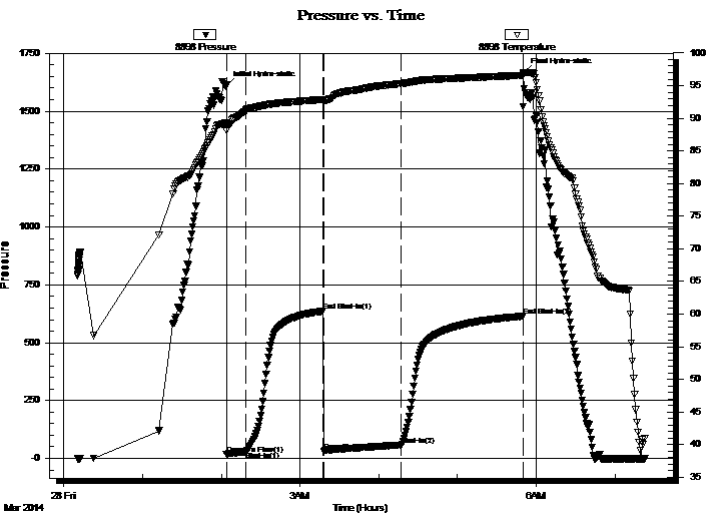
2014.03.28 @ 05:50:18

TEST COMMENT: Srtong blow built to 8"

Dead no blow back

B.O.B. in 4 mins

Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.46	89.29	Initial Hydro-static
1	18.86	88.13	Open To Flow (1)
16	28.97	91.19	Shut-In(1)
74	636.24	92.88	End Shut-In(1)
75	30.86	92.72	Open To Flow (2)
134	57.63	95.31	Shut-In(2)
226	614.03	96.59	End Shut-In(2)
227	1667.81	96.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	10%G 30%O 70%M	0.63
60.00	40%G 30%O 30%M	0.84
0.00	375 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 53689

DST#: 2

ATTN: Randy Kilian

Test Start: 2014.03.28 @ 00:10:39

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:03:59

Time Test Ended: 07:23:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 44

Interval: 3280.00 ft (KB) To 3340.00 ft (KB) (TVD)

Reference Elevations: 1936.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: ft

Serial #: 8897

Inside

Press@RunDepth: psig @ 3288.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.28

End Date:

2014.03.28

Last Calib.:

2014.03.28

Start Time: 00:10:08

End Time:

07:22:37

Time On Btm:

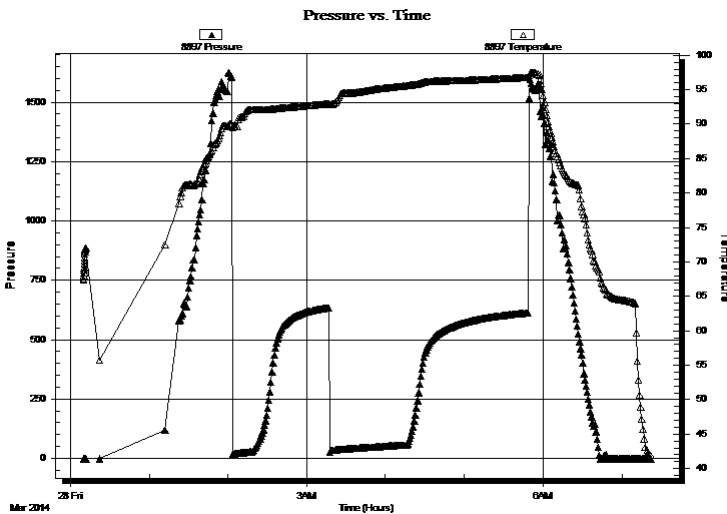
Time Off Btm:

TEST COMMENT: Srtong blow built to 8"

Dead no blow back

B.O.B. in 4 mins

Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
45.00	10%G 30%O 70%M	0.63
60.00	40%G 30%O 30%M	0.84
0.00	375 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 53689

DST#: 2

ATTN: Randy Kilian

Test Start: 2014.03.28 @ 00:10:39

Tool Information

Drill Pipe:	Length: 3278.00 ft	Diameter: 3.80 inches	Volume: 45.98 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:	22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	47000.00 lb
			<u>Total Volume: 45.98 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3280.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	87.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3258.00	
Hydraulic tool	5.00			3263.00	
Jars	5.00			3268.00	
Safety Joint	3.00			3271.00	
Packer	5.00			3276.00	27.00 Bottom Of Top Packer
Packer	4.00			3280.00	
Stubb	1.00			3281.00	
Perforations	7.00			3288.00	
Recorder	0.00	8897	Inside	3288.00	
Recorder	0.00	8898	Outside	3288.00	
Change Over Sub	1.00			3289.00	
Drill Pipe	31.00			3320.00	
Change Over Sub	1.00			3321.00	
perforations	16.00			3337.00	
Bullnose	3.00			3340.00	60.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 53689

DST#: 2

ATTN: Randy Kilian

Test Start: 2014.03.28 @ 00:10:39

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 53.89 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
45.00	10%G 30%O 70%M	0.631
60.00	40%G 30%O 30%M	0.842
0.00	375 GIP	0.000

Total Length: 105.00 ft Total Volume: 1.473 bbl

Num Fluid Samples: 0

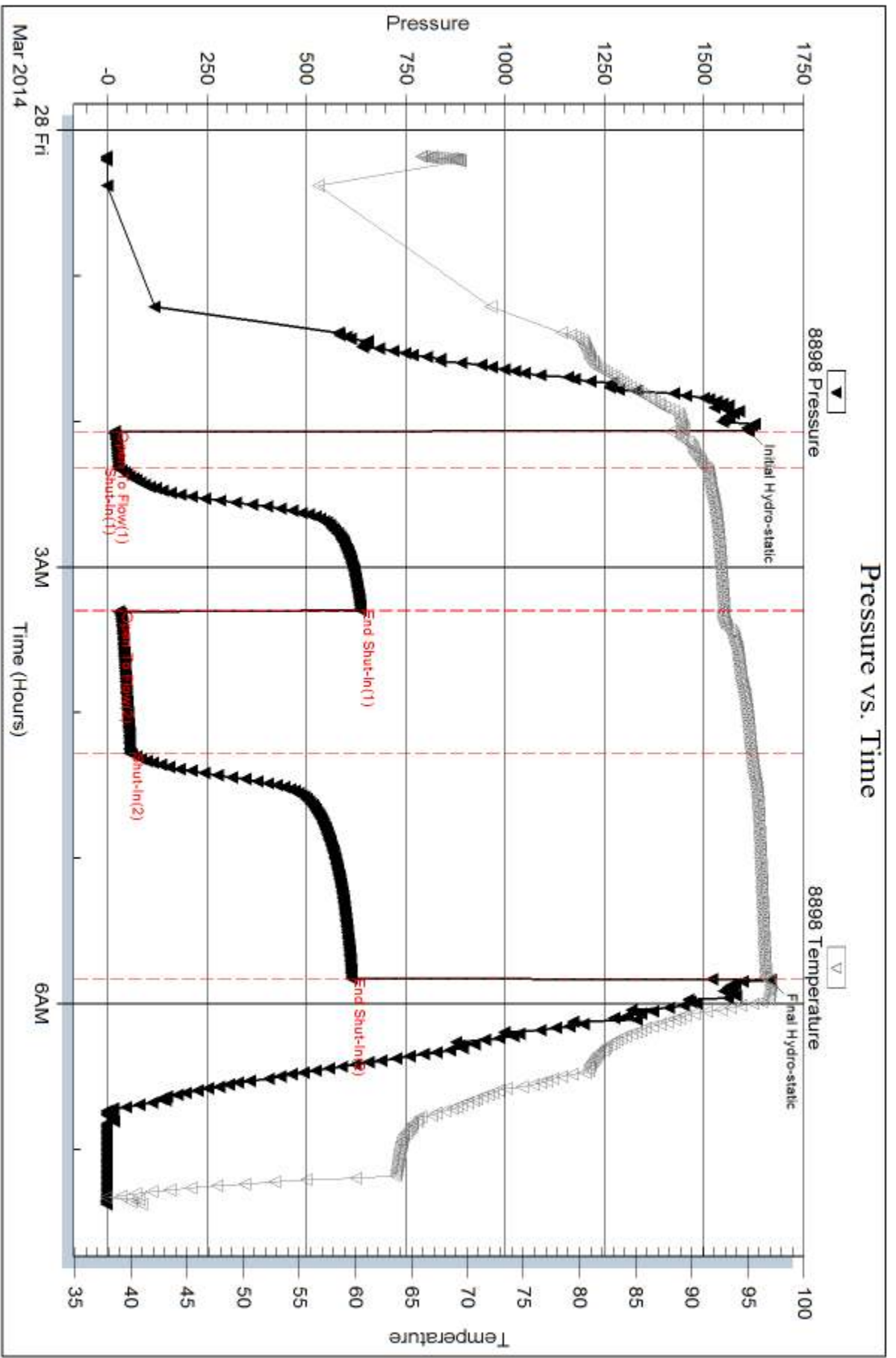
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



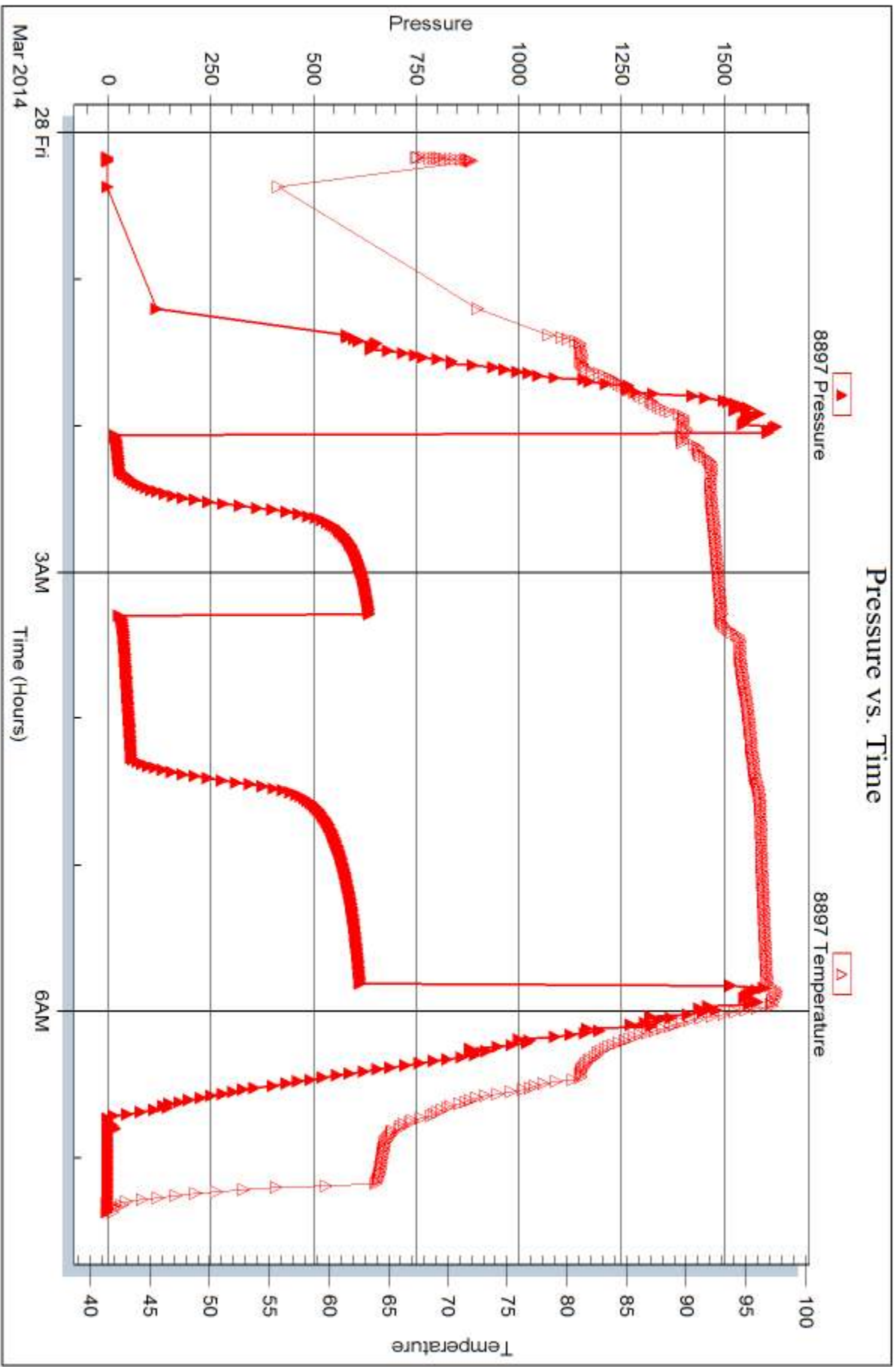
Serial #: 8897

Inside

Prospect Oil & Gas

Bitter #2

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 53689

Printed: 2014.04.02 @ 10:43:16



DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas**

PO Box 837
Russell KS 67665

ATTN: Randy Kilian

Bitter #2

11-16s-14w Barton,KS

Start Date: 2014.03.28 @ 20:45:20

End Date: 2014.03.29 @ 04:59:10

Job Ticket #: 57551 DST #: 3

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

Printed: 2014.04.02 @ 10:53:48



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 57551

DST#: 3

ATTN: Randy Kilian

Test Start: 2014.03.28 @ 20:45:20

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:30

Time Test Ended: 04:59:10

Test Type: Conventional Straddle (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3345.00 ft (KB) To 3396.00 ft (KB) (TVD)

Reference Elevations: 1936.00 ft (KB)

Total Depth: 3440.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: ft

Serial #: 8288 Inside

Press@RunDepth: 92.53 psig @ 3346.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.28

End Date:

2014.03.29

Last Calib.: 2014.03.29

Start Time: 20:45:22

End Time:

04:59:09

Time On Btm: 2014.03.28 @ 22:17:20

Time Off Btm: 2014.03.29 @ 03:04:29

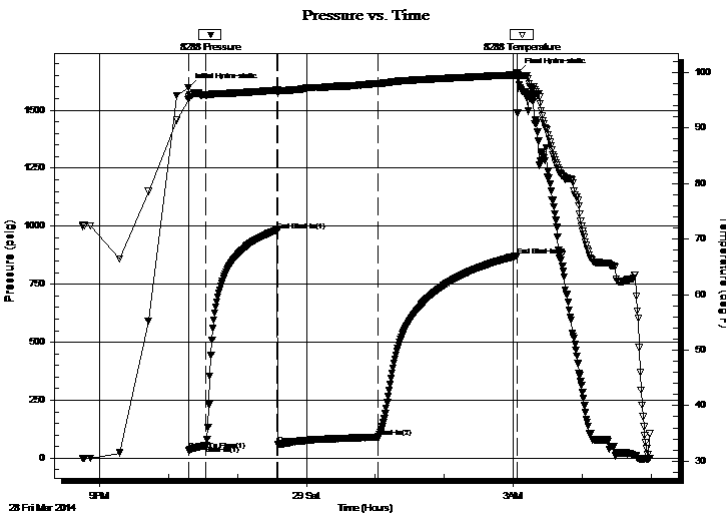
TEST COMMENT: weak surface blow built to 2"

Dead no blow back

Good blow built to 7"

Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1597.36	95.07	Initial Hydro-static
1	33.15	95.20	Open To Flow (1)
16	54.08	95.96	Shut-In(1)
78	980.81	96.85	End Shut-In(1)
78	61.30	96.32	Open To Flow (2)
166	92.53	98.00	Shut-In(2)
287	872.94	99.58	End Shut-In(2)
288	1662.67	99.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	10%G 40%O 50%M	0.59
20.00	50%O 50%M	0.28
10.00	100%O	0.14
0.00	90 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 57551

DST#: 3

ATTN: Randy Kilian

Test Start: 2014.03.28 @ 20:45:20

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:30

Time Test Ended: 04:59:10

Test Type: Conventional Straddle (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3345.00 ft (KB) To 3396.00 ft (KB) (TVD)

Reference Elevations: 1936.00 ft (KB)

Total Depth: 3440.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: ft

Serial #: 8354 Below (Straddle)

Press@RunDepth: psig @ 3408.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.28

End Date:

2014.03.29

Last Calib.:

2014.03.29

Start Time: 20:45:55

End Time:

04:59:24

Time On Btm:

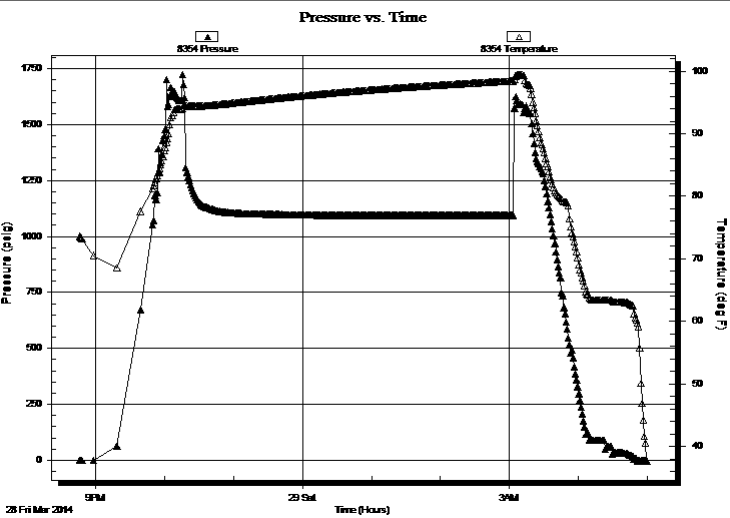
Time Off Btm:

TEST COMMENT: weak surface blow built to 2"

Dead no blow back

Good blow built to 7"

Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	10%G 40%O 50%M	0.59
20.00	50%O 50%M	0.28
10.00	100%O	0.14
0.00	90 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 57551

DST#: 3

ATTN: Randy Kilian

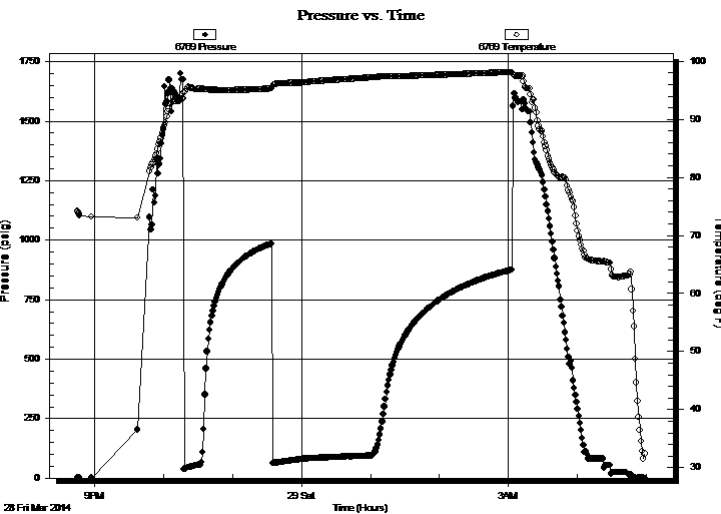
Test Start: 2014.03.28 @ 20:45:20

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:17:30
 Time Test Ended: 04:59:10
 Test Type: Conventional Straddle (Reset)
 Tester: Tate Lang
 Unit No: 49
 Interval: **3345.00 ft (KB) To 3396.00 ft (KB) (TVD)**
 Reference Elevations: 1936.00 ft (KB)
 Total Depth: 3440.00 ft (KB) (TVD) ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: ft

Serial #: 6769 Outside
 Press@RunDepth: psig @ 3346.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.28 End Date: 2014.03.29 Last Calib.: 1899.12.30
 Start Time: 20:45:37 End Time: 04:59:01 Time On Btm:
 Time Off Btm:

TEST COMMENT: weak surface blow built to 2"
 Dead no blow back
 Good blow built to 7"
 Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	10%G 40%O 50%M	0.59
20.00	50%O 50%M	0.28
10.00	100%O	0.14
0.00	90 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 57551

DST#: 3

ATTN: Randy Kilian

Test Start: 2014.03.28 @ 20:45:20

Tool Information

Drill Pipe:	Length: 3213.00 ft	Diameter: 3.80 inches	Volume: 45.07 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: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 45.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3345.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	3396.00 ft			
Interval between Packers:	51.00 ft			
Tool Length:	126.00 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			3323.00	
Hydraulic tool	5.00			3328.00	
Jars	5.00			3333.00	
Safety Joint	2.00			3335.00	
Packer	5.00			3340.00	27.00 Bottom Of Top Packer
Packer	5.00			3345.00	
Stubb	1.00			3346.00	
Recorder	0.00	8288	Inside	3346.00	
Recorder	0.00	6769	Outside	3346.00	
Perforations	2.00			3348.00	
Change Over Sub	1.00			3349.00	
Drill Pipe	31.00			3380.00	
Change Over Sub	1.00			3381.00	
perforations	10.00			3391.00	
Blank Off Sub	1.00			3392.00	
Blank Spacing	4.00			3396.00	51.00 Tool Interval
Packer	5.00			3401.00	
Stubb	1.00			3402.00	
Perforations	6.00			3408.00	
Recorder	0.00	8354	Below	3408.00	
Change Over Sub	1.00			3409.00	
Blank Spacing	31.00			3440.00	
Change Over Sub	1.00			3441.00	
Bullnose	3.00			3444.00	48.00 Bottom Packers & Anchor
Total Tool Length:	126.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas

11-16s-14w Barton,KS

PO Box 837
Russell KS 67665

Bitter #2

Job Ticket: 57551

DST#: 3

ATTN: Randy Kilian

Test Start: 2014.03.28 @ 20:45:20

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: 82.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: 9800.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	10%G 40%O 50%M	0.590
20.00	50%O 50%M	0.281
10.00	100%O	0.140
0.00	90 GIP	0.000

Total Length: 150.00 ft

Total Volume: 1.011 bbl

Num Fluid Samples: 0

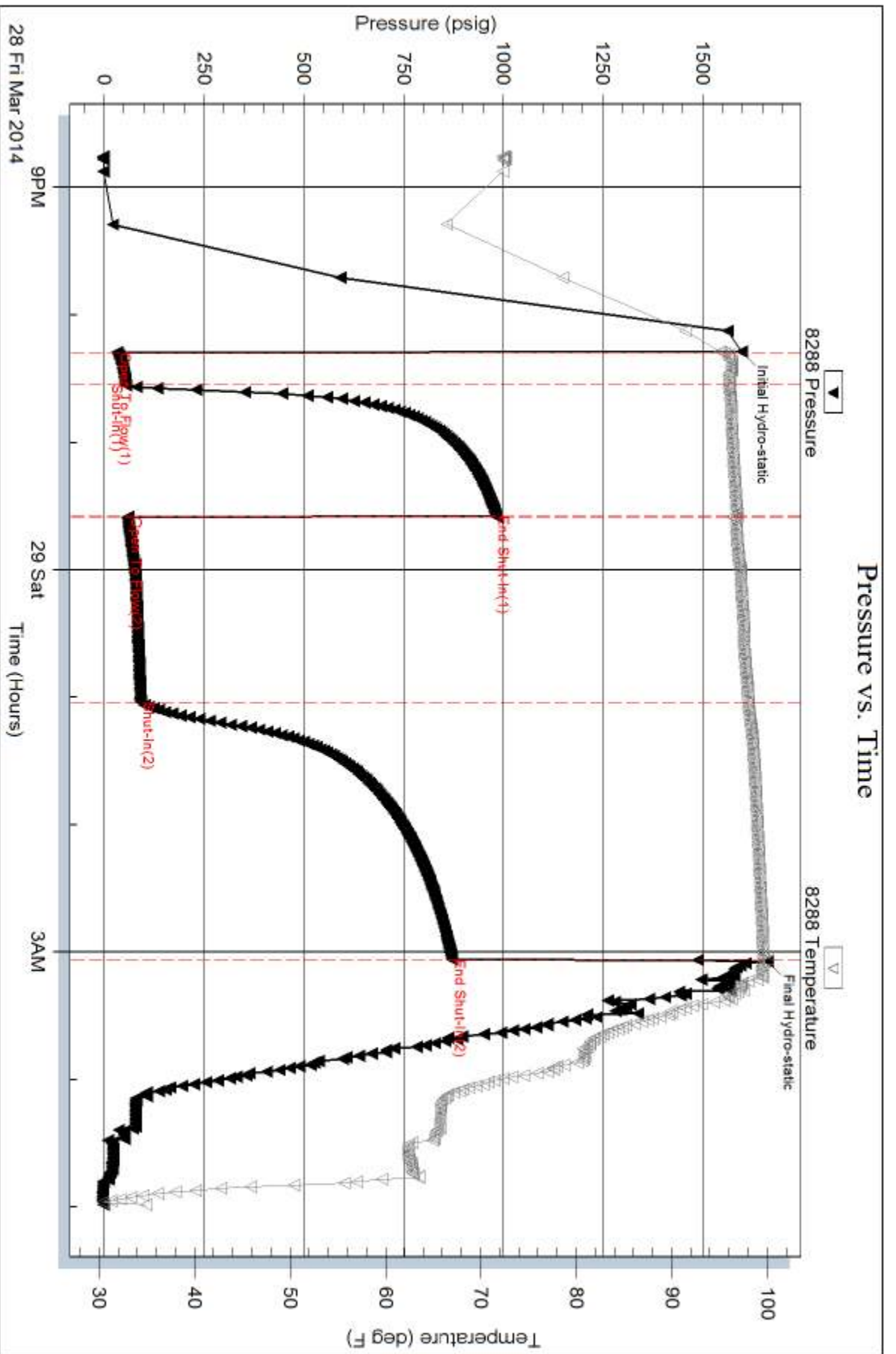
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

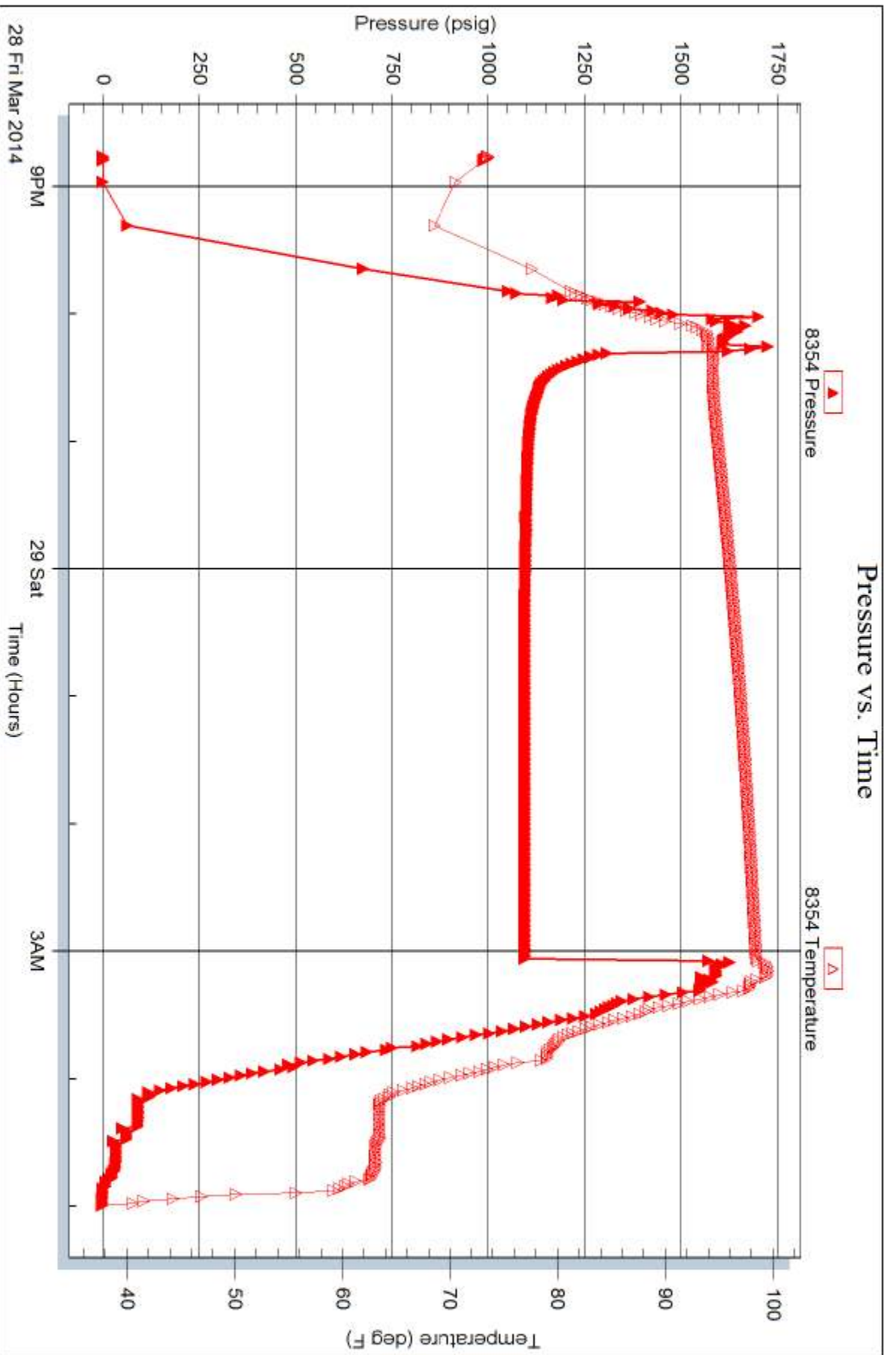


Serial #: 8354

Below (Stratford) Oil & Gas

Bitter #2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 57551

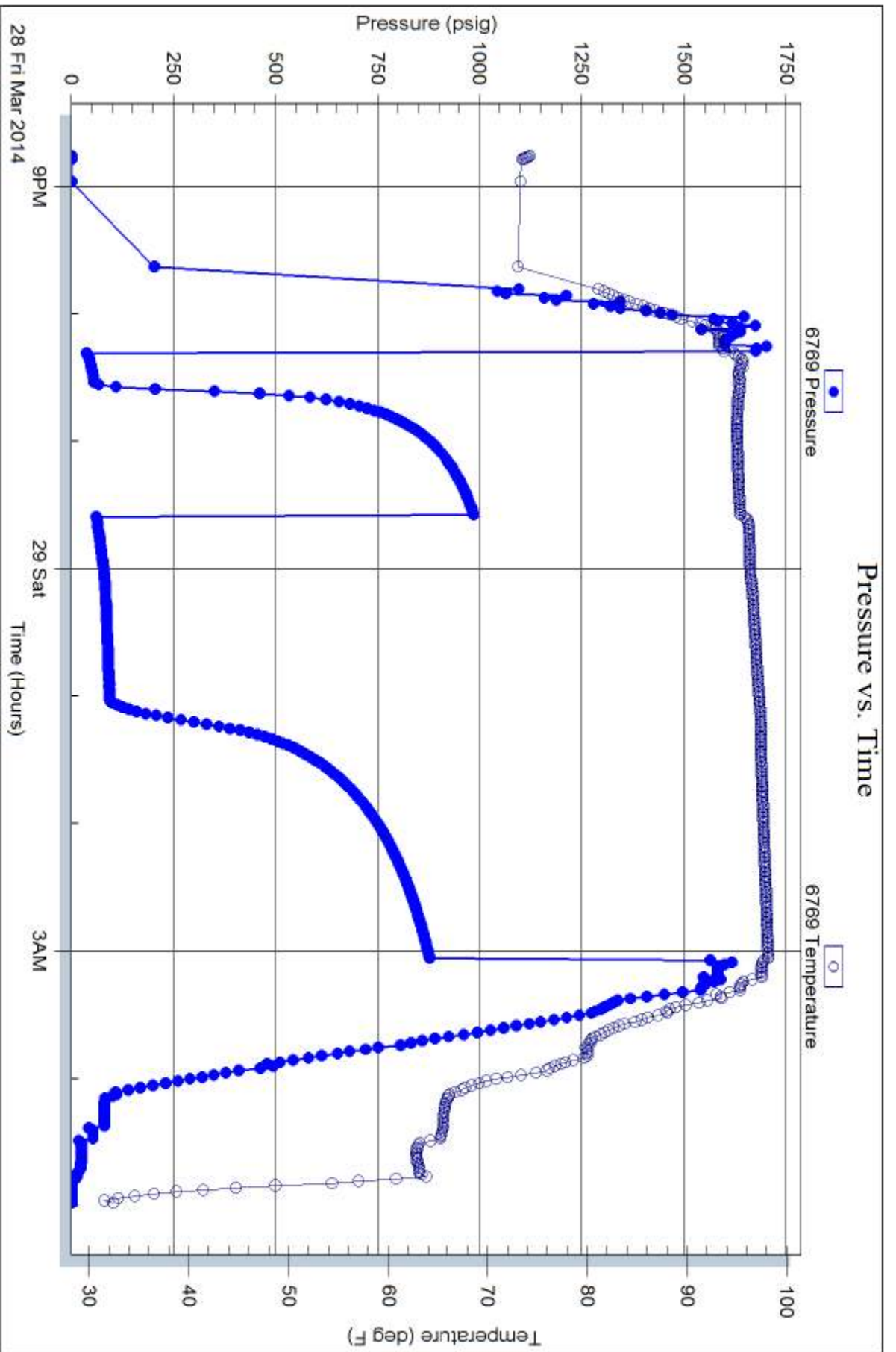
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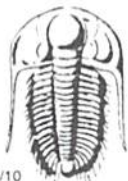
Serial #: 6769

Outside Prospect Oil & Gas

Bitter #2

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53688

Well Name & No. Bitter #2 Test No. 1 Date 3-27-14
 Company Prospect Oil & Gas Elevation 1936 KB 1929 GL
 Address PO Box 837 Russell MS 67665
 Co. Rep / Geo. Randy Kilian Rig Royal #2
 Location: Sec. 11 Twp. 16S Rge. 14W Co. Barton State MS

Interval Tested 3155 3200 Zone Tested LHC B-C
 Anchor Length 45 Drill Pipe Run 3154 Mud Wt. 8.7
 Top Packer Depth 3150 Drill Collars Run 0 Vis 64
 Bottom Packer Depth 3155 Wt. Pipe Run 0 WL 7.2
 Total Depth 3200 Chlorides 4900 ppm System LCM TR

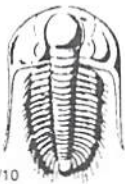
Blow Description Weak surface blow built 3 1/2 in
Dead no blow back
Strong blow built to 8 in
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>OCMW</u>	<u>10</u>	<u>45</u>	<u>45</u>	<u>45</u>
<u>20</u>	<u>WCOM</u>	<u>20</u>	<u>10</u>	<u>70</u>	<u>70</u>
<u>0</u>	<u>85 GIP</u>				

Rec Total 35 BHT Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1563 Test 1150 T-On Location 04:18
 (B) First Initial Flow 15 Jars _____ T-Started 05:06
 (C) First Final Flow 19 Safety Joint _____ T-Open 07:17
 (D) Initial Shut-In 420 Circ Sub _____ T-Pulled 11:02
 (E) Second Initial Flow 19 Hourly Standby _____ T-Out 12:11
 (F) Second Final Flow 31 Mileage 76 R/T 117.80 Comments _____
 (G) Final Shut-In 379 Sampler _____
 (H) Final Hydrostatic 1606 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1267.80
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1267.80

Approved By _____ Our Representative [Signature]
 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53689

4/10

Well Name & No. Bitter #2 Test No. 2 Date 3-27/3-28-14
 Company Prospect Oil & Gas Elevation 1936 KB 1929 GL
 Address PO Box 837 Russell KS 67665
 Co. Rep / Geo. Randy Hilian Rig Royal #2
 Location: Sec. 11 Twp. 16S Rge. 14W Co. Barton State KS

Interval Tested 3280 3340 Zone Tested H-S
 Anchor Length 60 Drill Pipe Run 3278 Mud Wt. 9.3
 Top Packer Depth 3275 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3280 Wt. Pipe Run 0 WL 8.4
 Total Depth 3340 Chlorides 7900 ppm System LCM TR

Blow Description Strong blow built to 8 in
Dead, no blow back
B.O.B. 144 min
Dead no blow back

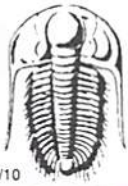
Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>60CM</u>	<u>10</u>	<u>30</u>		<u>76</u>
<u>60</u>	<u>MC60</u>	<u>40</u>	<u>30</u>		<u>30</u>
<u>0</u>	<u>375 GIP</u>				

Rec Total 105 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 16.12 Test 1150 T-On Location 23:08
 (B) First Initial Flow 19 Jars _____ T-Started 00:10
 (C) First Final Flow 29 Safety Joint _____ T-Open 02:03
 (D) Initial Shut-In 6:36 Circ Sub _____ T-Pulled 05:48
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 07:23
 (F) Second Final Flow 58 Mileage 117.80 Comments _____
 (G) Final Shut-In 6:14 Sampler _____
 (H) Final Hydrostatic 16:68 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 6:00 Day Standby _____ Total 1267.80
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1267.80

Approved By _____ Our Representative [Signature]

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57551

Well Name & No. Bitter #2 Test No. 3 Date 3-28-14
 Company Prospect Oil & Gas Elevation 1936 KB 1929 GL
 Address PO Box 837 Russell KS 67665
 Co. Rep / Geo. Randy Kilian Rig Royal #2
 Location: Sec. 11 Twp. 16W Rge. 14W Co. Barton State KS

Interval Tested 3345 3396 Zone Tested Arbuckle
 Anchor Length 48 51 43 1/2 Drill Pipe Run 3213 Mud Wt. 9.2
 Top Packer Depth 3340 Drill Collars Run 120 Vis 82
 Bottom Packer Depth 3345 Wt. Pipe Run 0 WL 9.2
 Total Depth 3440 1880 1880 Chlorides 9800 ppm System LCM TR

Blow Description Weak surface blow built to 2 in
Dead on blow built
Good blow built to 17 in
Dead on blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>60 CM</u>	<u>10</u>	<u>40</u>	<u>50</u>	
<u>20</u>	<u>0 CM</u>		<u>50</u>	<u>50</u>	
<u>10</u>	<u>Free Oil</u>		<u>100</u>		
<u>0</u>	<u>90 GTP</u>	<u>100</u>			

Rec Total 150 BHT 100 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1597 Test 1150 T-On Location 18:45
 (B) First Initial Flow 33 Jars _____ T-Started 20:45
 (C) First Final Flow 54 Safety Joint _____ T-Open 22:17
 (D) Initial Shut-In 981 Circ Sub _____ T-Pulled 03:02
 (E) Second Initial Flow 61 Hourly Standby _____ T-Out 04:39
 (F) Second Final Flow 93 Mileage 117.80 Comments _____
 (G) Final Shut-In 873 Sampler _____
 (H) Final Hydrostatic 1663 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1867.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1867.80

Initial Open 75
 Initial Shut-In 60
 Final Flow 90
 Final Shut-In 120

Approved By _____ Our Representative [Signature]

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.