Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1220655

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 # 31021
Name: Castelli Exploration, Inc.
Address 1: 6908 NW 112TH
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73162 + 2976
Contact Person: Tisha Love
Phone: (405) 722-5511
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Geodynamic
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 #:

07/29/2014	08/07/2014	08/08/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-097-21800-00-00
Spot Description:
W2 SW NE SW Sec. 13 Twp. 30 S. R. 16 ☐ East ☑ West
1650 Feet from ☐ North / ☑ South Line of Section
1485 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: Kiowa
Lease Name: Gallup Ranch Well #: 1-13
Field Name:
Producing Formation: NA
Elevation: Ground: 1774 Kelly Bushing: 1786
Total Vertical Depth: 4903 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 338 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: 43000 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Woolsey Operating Company, LLC
Lease Name: Clarke 1 License #: 33168
Quarter SW Sec. 8 Twp. 32 S. R. 12 ☐ East ☑ West
County: Barber Permit #: D28492.0

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: 09/12/2014
☑ **Confidential Release Date:** 09/11/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Rene Stucky **Date:** 09/15/2014

[redacted] 1220655

Operator Name: Castelli Exploration, Inc. Lease Name: Gallup Ranch Well #: 1-13

Sec. 13 Twp. 30 S. R. 16 ☐ East ☑ West County: Kiowa

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:

DIL
MEL
POR

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

Name	Top	Datum
Anhydrite	669	+1118
Lansing	3926	-2139
Mississippian	4482	-2695
Viola	4598	-2762
Arbuckle	4873	-3086

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
Conductor	30	20	52.73	68	Grout	8	
Surface	17.5	13.750	48	338	A serv lite/60/40 poz	300	3% cc 1/4#/3% cc 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	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

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:
_____
_____

Form	ACO1 - Well Completion
Operator	Castelli Exploration, Inc.
Well Name	Gallup Ranch 1-13
Doc ID	1220655

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	52.73	68	Grout	8	
Surface	17.5	13.750	48	338	A serv lite/60/40 poz	300	3% cc 1/4#/3% cc 2% gel

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 A

DATE TICKET NO.

DATE OF JOB 7 30 DISTRICT Pratt, KS	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER Cassell Exploration Inc.	LEASE Gillup Ranch WELL NO. 1-13
ADDRESS	COUNTY Rawlins STATE KS
CITY STATE	SERVICE CREW Dean, Ed, Mason
AUTHORIZED BY	JOB TYPE CNW Surface 13-3/8

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
27155	1				
27163	1				
19960	1				
21010	1				

	DATE		TIME
TRUCK CALLED	7 29	AM PM	12 00
ARRIVED AT JOB	7 30	AM PM	1 30
START OPERATION	7 30	AM PM	10 00
FINISH OPERATION	7 30	AM PM	11 00
RELEASED	7 30	AM PM	12 00
MILES FROM STATION TO WELL	35		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP105	A Serv Lite	SK	200		1,100 00
CP103	60/40 POZ	SK	150		1,500 00
CC102	Calflake	Lb	88		325 60
CC109	Calcium Chloride	Lb	909		954 45
E100	Un - Milesse Chrge - 1 Way	Mi	30		121 20
E101	Heavy Equipment - Milesse	Mi	60		420 00
E115	Bulk Delivery Chrge	Tn	455		955 50
E200	Depth Chrge 0-500'	Hrs	1		1,000 00
E240	Blending & Mixing Service Chrge	SK	350		490 00
E303	Service Supervisor, First Hour	Ea	1		115 00

CHEMICAL / ACID DATA:			

SUB TOTAL		6,669 34
SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
TOTAL		

SERVICE REPRESENTATIVE Dean Landis

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Cessell Exploration	Lease No.	Date: 7-30-2014	
Lease: Gallup Ranch	Well #: 1-13		
Field Order #: 11021	Station: Pratt, KS	Casing: 13 3/4	Depth: 337
County: Kiowa	State: KS		
Type Job: CNW / Surface 13 3/8	Formation: TD-340	Legal Description: 13-30S-16W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 13 3/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 320	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 46	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 306	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative: Glen Roach	Station Manager: Kevin Gordley	Treater: Orin Franklin	

Service Units	27783	27463	19960	21010								
Driver Names	Orin	Ed	Aaron	Aaron								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:30pm					On Location / Safety Meeting
					Set Casing @ 337'
					13 3/8 - 320', 8 5/8 LJ - 17'
10:00	200		3		Pump 3 bbls water
	200		59		mix 200sx A Serv Lite
	200		32		mix 150sx 60/40 Poz
	200		48		Displace water
					Shut in
					Cement did Circulate
					Job Complete / Orin & Crew
					Thank You!!!

Taylor Printing, Inc. 620-672-3656

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castelli Explortion Inc.**

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

Gallup Ranch #1-13

13-30s-16w Kiowa,KS

Start Date: 2014.08.04 @ 19:01:52
End Date: 2014.08.05 @ 02:00:07
Job Ticket #: 54240 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.08 @ 11:28:31

DRILL STEM TEST REPORT

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54240 **DST#: 1**

Test Start: 2014.08.04 @ 19:01:52

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:54:37
Time Test Ended: 02:00:07

Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4513.00 ft (KB) To 4560.00 ft (KB) (TVD)
Total Depth: 4560.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

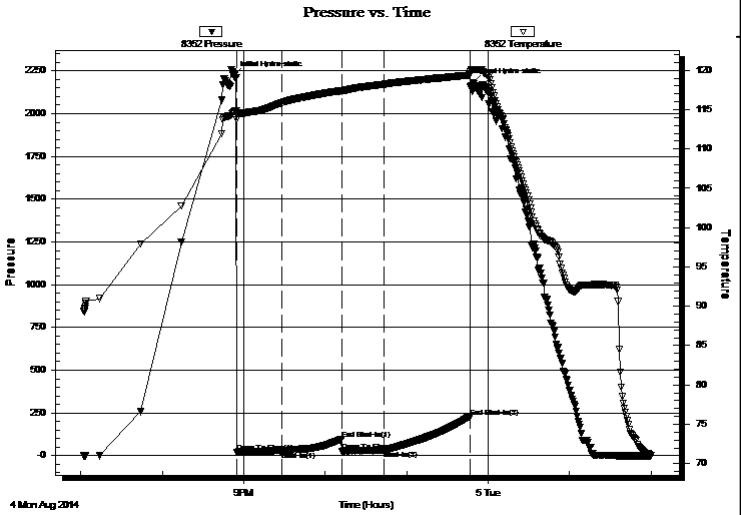
Reference Elevations: 1787.00 ft (KB)
1774.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8352 **Outside**

Press@RunDepth: 30.95 psig @ 4514.00 ft (KB)
Start Date: 2014.08.04 End Date: 2014.08.05
Start Time: 19:01:57 End Time: 02:00:06

Capacity: 8000.00 psig
Last Calib.: 2014.08.05
Time On Btm: 2014.08.04 @ 20:52:52
Time Off Btm: 2014.08.04 @ 23:48:52

TEST COMMENT: IF:Weak blow . 1/2 - 1".
ISI:No blow .
FF:Weak blow . 1/2 - 3".
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.53	114.74	Initial Hydro-static
2	20.46	113.69	Open To Flow (1)
35	25.06	115.87	Shut-In(1)
79	96.25	117.40	End Shut-In(1)
80	25.21	117.37	Open To Flow (2)
110	30.95	118.23	Shut-In(2)
174	225.90	119.38	End Shut-In(2)
176	2180.89	120.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SOCM 2%o 98%m	0.20
0.00	140 ft.of GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54240 **DST#: 1**

Test Start: 2014.08.04 @ 19:01:52

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:54:37
Time Test Ended: 02:00:07

Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoteaux
Unit No: 56

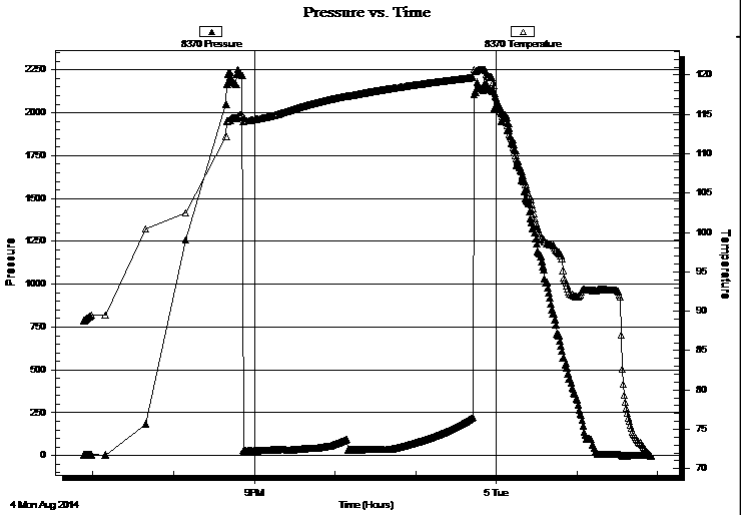
Interval: 4513.00 ft (KB) To 4560.00 ft (KB) (TVD)
Total Depth: 4560.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1787.00 ft (KB)
1774.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8370 **Inside**
Press@RunDepth: psig @ 4514.00 ft (KB)
Start Date: 2014.08.04 End Date: 2014.08.05
Start Time: 18:53:07 End Time: 01:55:16

Capacity: 8000.00 psig
Last Calib.: 2014.08.05
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Weak blow . 1/2 - 1".
ISI:No blow .
FF:Weak blow . 1/2 - 3".
FSI:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SOCM 2%o 98%m	0.20
0.00	140 ft.of GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54240 **DST#: 1**

Test Start: 2014.08.04 @ 19:01:52

Tool Information

Drill Pipe:	Length:	4317.00 ft	Diameter:	3.80 inches	Volume:	60.56 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	180.00 ft	Diameter:	2.25 inches	Volume:	0.89 bbl	
					Total Volume:	61.45 bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	4513.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	47.00 ft
Tool Length:	75.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2400.00 lb
Weight set on Packer:		24000.00 lb
Weight to Pull Loose:		108000.0 lb
Tool Chased		0.00 ft
String Weight:	Initial	71500.00 lb
	Final	72000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4486.00		
Shut In Tool	5.00			4491.00		
Hydraulic tool	5.00			4496.00		
Jars	5.00			4501.00		
Safety Joint	3.00			4504.00		
Packer	4.00			4508.00	28.00	Bottom Of Top Packer
Packer	5.00			4513.00		
Stubb	1.00			4514.00		
Recorder	0.00	8352	Outside	4514.00		
Recorder	0.00	8370	Inside	4514.00		
Perforations	41.00			4555.00		
Bullnose	5.00			4560.00	47.00	Bottom Packers & Anchor
Total Tool Length:	**75.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54240 **DST#: 1**

Test Start: 2014.08.04 @ 19:01:52

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:	5000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.16 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	SOCM 2%o 98%m	0.197
0.00	140 ft.of GIP	0.000

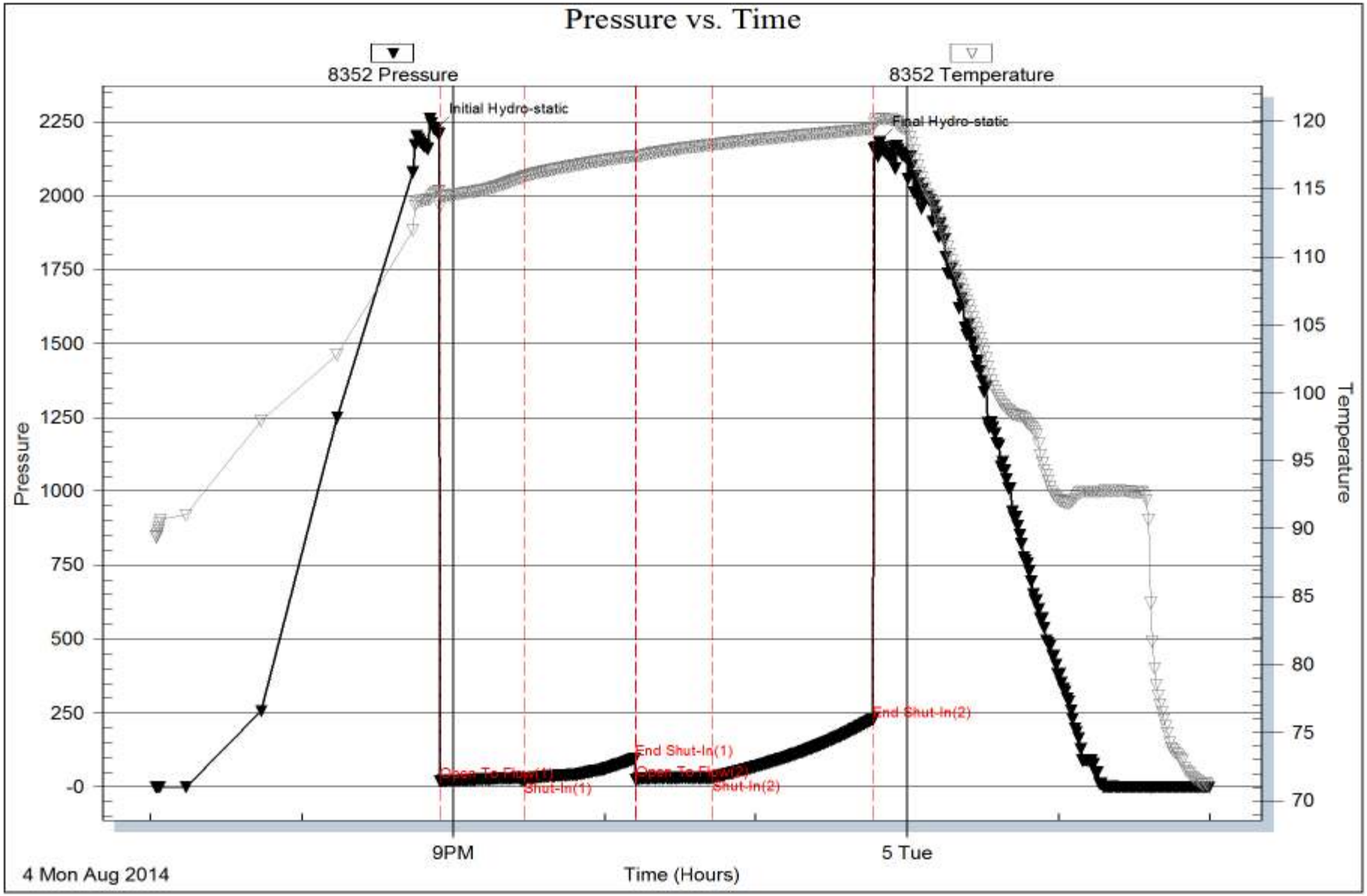
Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

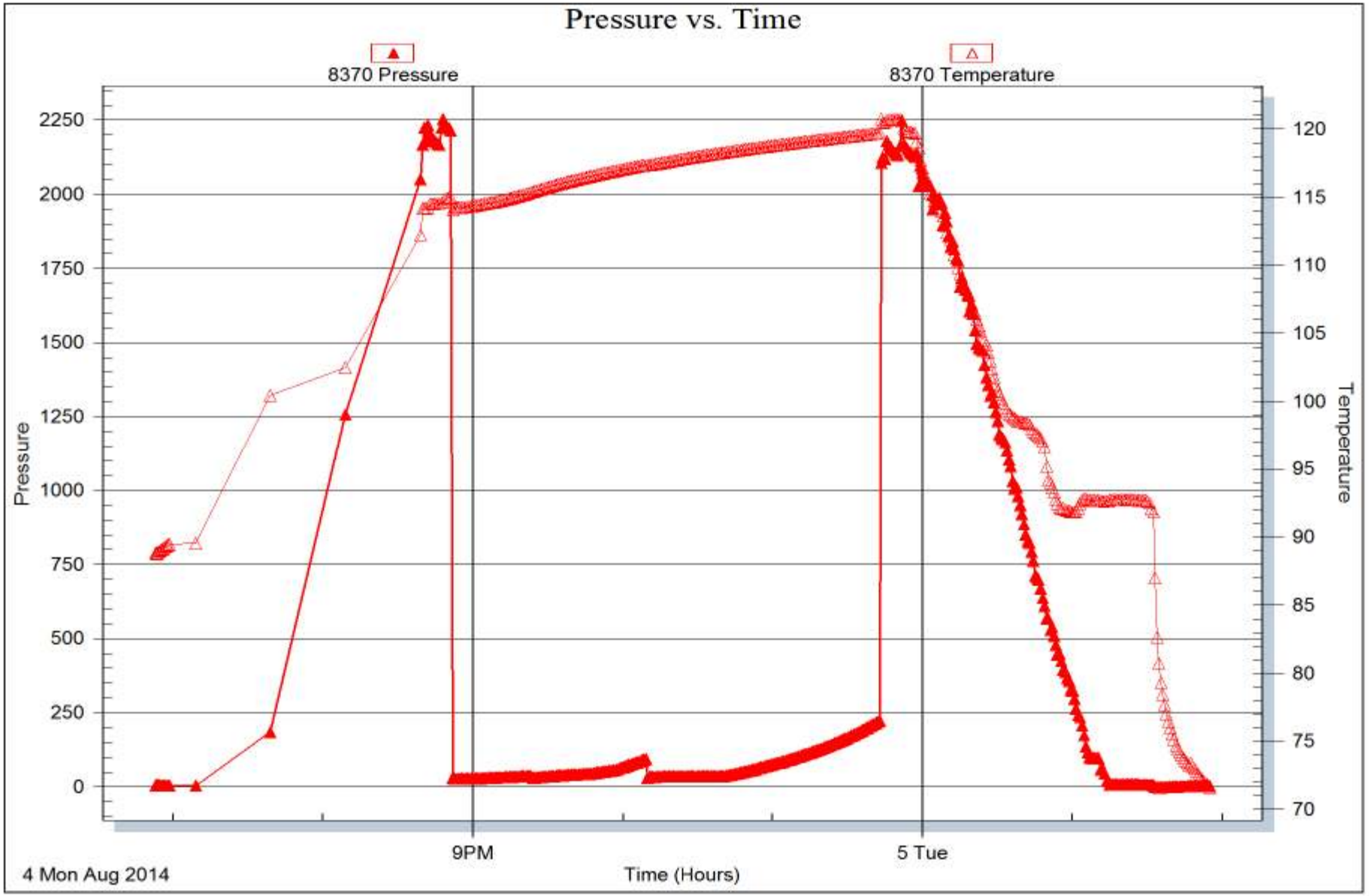
Recovery Comments:

Serial #: 8352 **Outside** Castelli Explortion Inc. Gallup Ranch #1-13 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54240 Printed: 2014.08.08 @ 11:28:32

Serial #: 8370 **Inside** Castelli Explortion Inc. Gallup Ranch #1-13 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54240 Printed: 2014.08.08 @ 11:28:32

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castelli Explortion Inc.**

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

Gallup Ranch #1-13

13-30s-16w Kiowa,KS

Start Date: 2014.08.06 @ 23:36:14
End Date: 2014.08.07 @ 08:29:29
Job Ticket #: 54241 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.08 @ 11:27:56

DRILL STEM TEST REPORT

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54241 **DST#: 2**

Test Start: 2014.08.06 @ 23:36:14

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:48:44
Time Test Ended: 08:29:29

Test Type: Conventional Straddle (Reset)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4670.00 ft (KB) To 4700.00 ft (KB) (TVD)
Total Depth: 4903.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

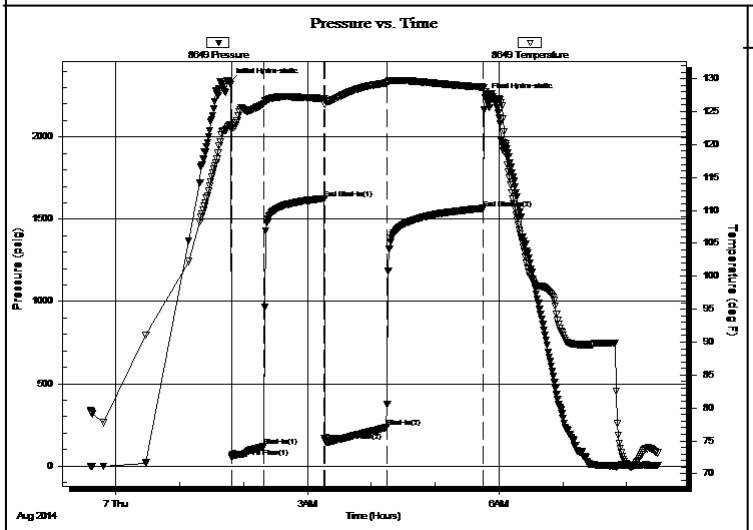
Reference Elevations: 1787.00 ft (KB)
1774.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8649 **Outside**

Press@RunDepth: 234.10 psig @ 4671.00 ft (KB)
Start Date: 2014.08.06 End Date: 2014.08.07
Start Time: 23:36:15 End Time: 08:29:29

Capacity: 8000.00 psig
Last Calib.: 2014.08.07
Time On Btm: 2014.08.07 @ 01:46:59
Time Off Btm: 2014.08.07 @ 05:47:14

TEST COMMENT: IF:Weak to fair blow . Increase to 6 1/2".
ISI:No blow .
FF:Weak to fair blow . Increase to 10".
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2329.07	122.94	Initial Hydro-static
2	49.87	122.24	Open To Flow (1)
33	118.19	126.22	Shut-In(1)
89	1625.37	126.97	End Shut-In(1)
90	152.75	126.72	Open To Flow (2)
148	234.10	129.35	Shut-In(2)
238	1565.65	128.70	End Shut-In(2)
241	2241.98	127.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
365.00	SW	3.48
70.00	MW 17%m 83%w	0.98

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54241 **DST#: 2**

Test Start: 2014.08.06 @ 23:36:14

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:48:44
Time Test Ended: 08:29:29

Test Type: Conventional Straddle (Reset)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4670.00 ft (KB) To 4700.00 ft (KB) (TVD)
Total Depth: 4903.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

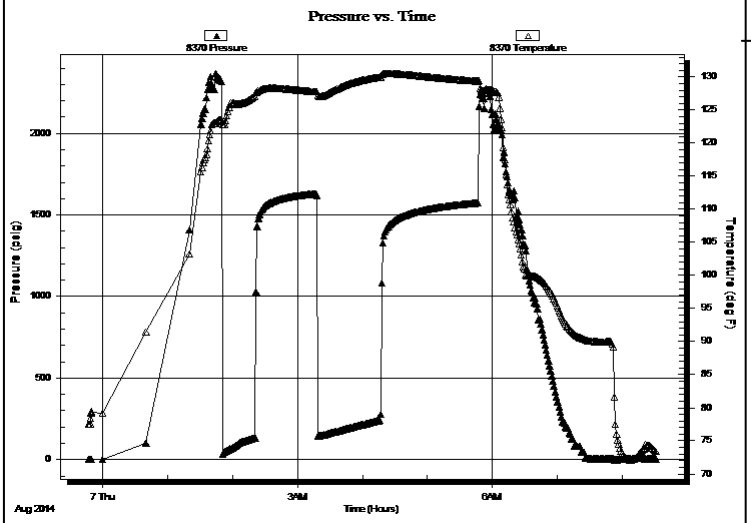
Reference Elevations: 1787.00 ft (KB)
1774.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8370 **Inside**

Press@RunDepth: psig @ 4671.00 ft (KB)
Start Date: 2014.08.06 End Date: 2014.08.07
Start Time: 23:47:06 End Time: 08:30:46

Capacity: 8000.00 psig
Last Calib.: 2014.08.07
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Weak to fair blow . Increase to 6 1/2".
ISI:No blow .
FF:Weak to fair blow . Increase to 10".
FSI:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
365.00	SW	3.48
70.00	MW 17%m 83%w	0.98

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54241 **DST#: 2**

Test Start: 2014.08.06 @ 23:36:14

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:48:44
Time Test Ended: 08:29:29

Test Type: Conventional Straddle (Reset)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4670.00 ft (KB) To 4700.00 ft (KB) (TVD)
Total Depth: 4903.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

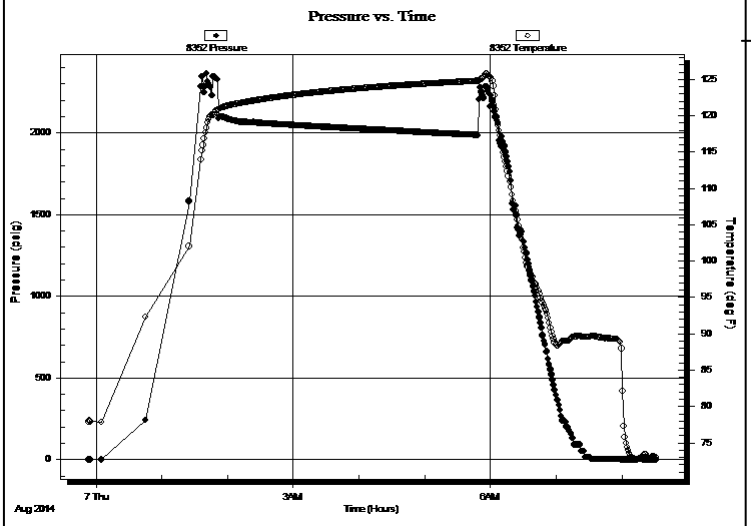
Reference Elevations: 1787.00 ft (KB)
1774.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8352 **Below (Straddle)**

Press@RunDepth: psig @ 4701.00 ft (KB)
Start Date: 2014.08.06 End Date: 2014.08.07
Start Time: 23:53:09 End Time: 08:30:49

Capacity: 8000.00 psig
Last Calib.: 2014.08.07
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Weak to fair blow . Increase to 6 1/2".
ISI:No blow .
FF:Weak to fair blow . Increase to 10".
FSI:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
365.00	SW	3.48
70.00	MW 17%m 83%w	0.98

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54241 **DST#: 2**

Test Start: 2014.08.06 @ 23:36:14

Tool Information

Drill Pipe:	Length:	4475.00 ft	Diameter:	3.80 inches	Volume:	62.77 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	180.00 ft	Diameter:	2.25 inches	Volume:	0.89 bbl	
					Total Volume:	63.66 bbl	

Drill Pipe Above KB:	13.00 ft
Depth to Top Packer:	4670.00 ft
Depth to Bottom Packer:	4700.00 ft
Interval betw een Packers:	30.00 ft
Tool Length:	261.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:		2400.00 lb
Weight set on Packer:		24000.00 lb
Weight to Pull Loose:		99000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	76000.00 lb
	Final	78000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4643.00		
Shut In Tool	5.00			4648.00		
Hydraulic tool	5.00			4653.00		
Jars	5.00			4658.00		
Safety Joint	3.00			4661.00		
Packer	4.00			4665.00	28.00	Bottom Of Top Packer
Packer	5.00			4670.00		
Stubb	1.00			4671.00		
Recorder	0.00	8649	Outside	4671.00		
Recorder	0.00	8370	Inside	4671.00		
Perforations	25.00			4696.00		
Blank Off Sub	1.00			4697.00		
T.C.	3.00			4700.00	30.00	Tool Interval
Packer	0.00			4700.00		
Stubb	1.00			4701.00		
Recorder	0.00	8352	Below	4701.00		
Perforations	7.00			4708.00		
Blank Spacing	190.00			4898.00		
Bullnose	5.00			4903.00	203.00	Bottom Packers & Anchor
Total Tool Length:	**261.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Explortion Inc.

6908 N.W. 112th
Oklahoma City OK 73162

ATTN: Rick Popp

13-30s-16w Kiowa,KS

Gallup Ranch #1-13

Job Ticket: 54241 **DST#: 2**

Test Start: 2014.08.06 @ 23:36:14

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:	84000 ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.17 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
365.00	SW	3.480
70.00	MW 17%m 83%w	0.982

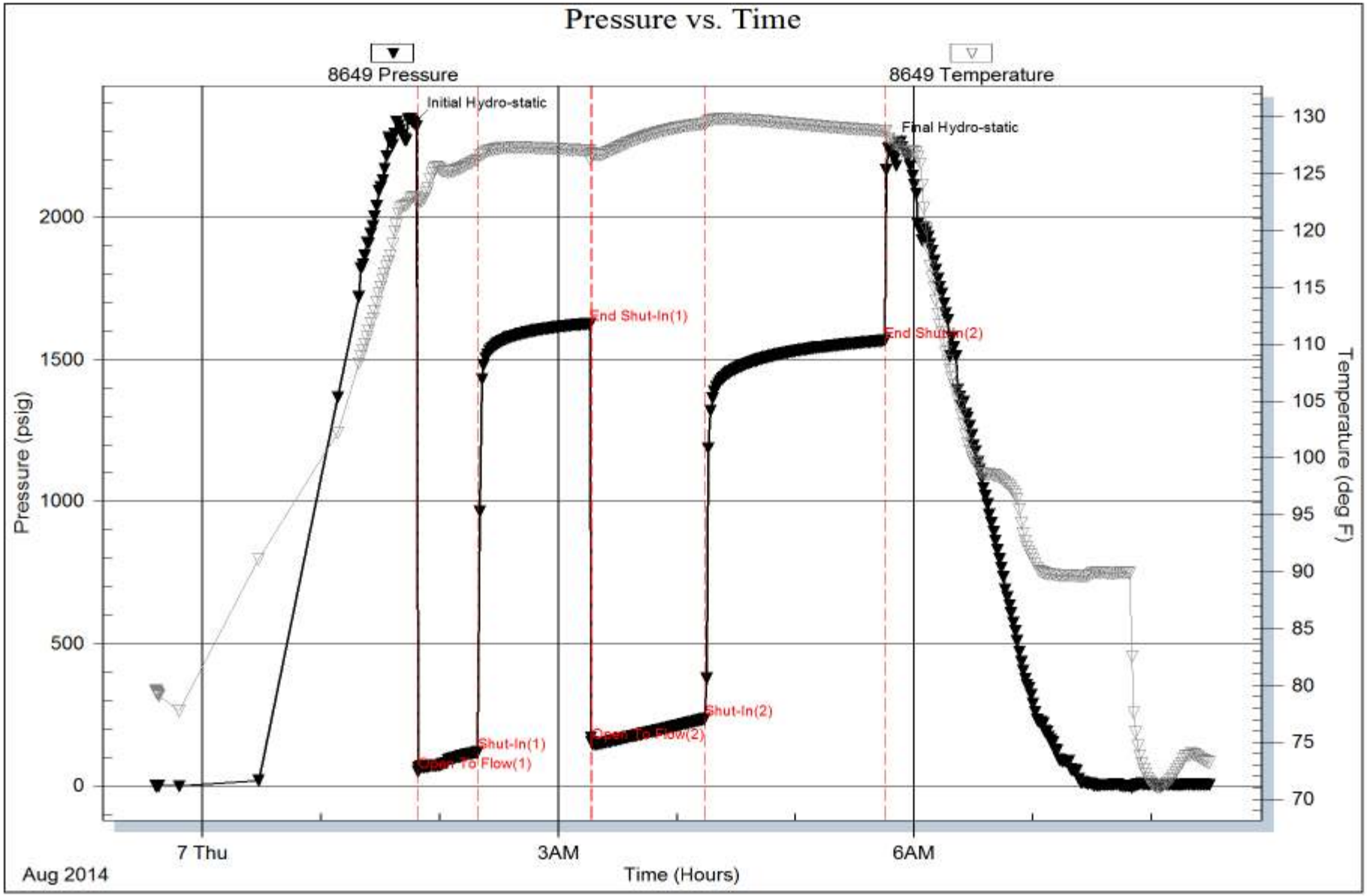
Total Length: 435.00 ft Total Volume: 4.462 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

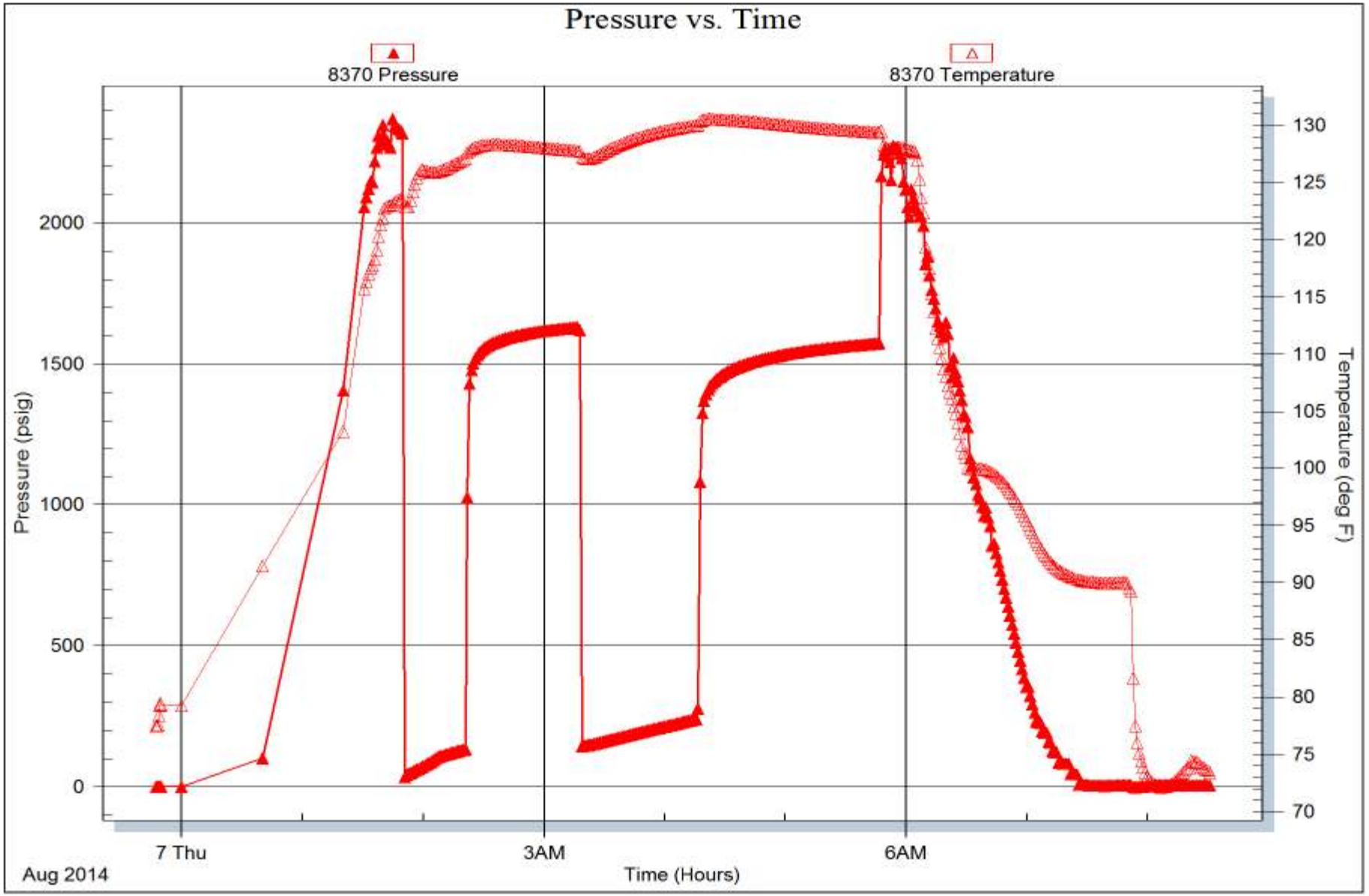
Recovery Comments: Rw .08ohms@81deg

Serial #: 8649 **Outside** Castelli Explortion Inc. Gallup Ranch #1-13 DST Test Number: 2



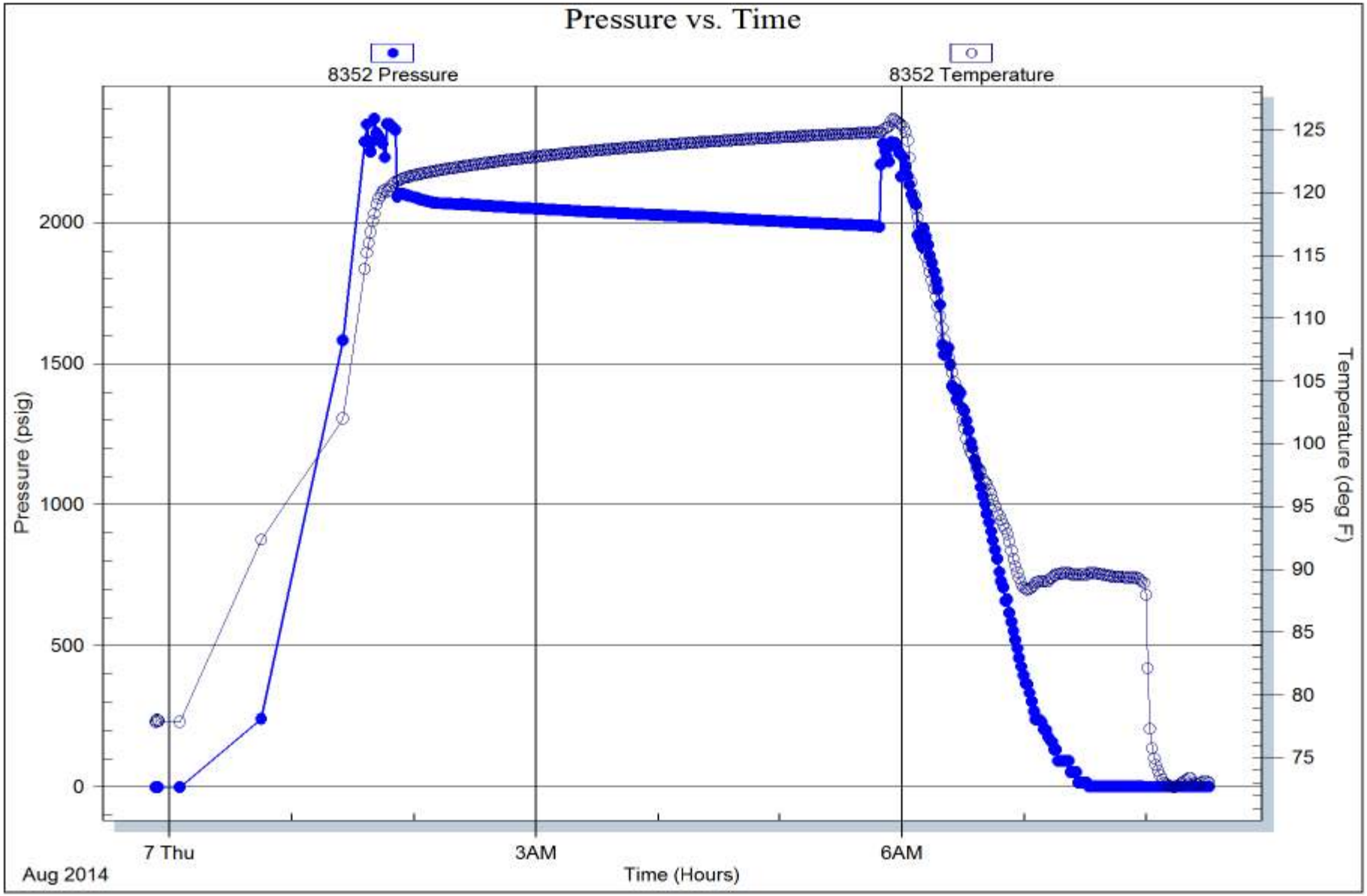
Trilobite Testing, Inc Ref. No: 54241 Printed: 2014.08.08 @ 11:27:57

Serial #: 8370 **Inside** Castelli Explortion Inc. Gallup Ranch #1-13 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54241 Printed: 2014.08.08 @ 11:27:57

Serial #: 8352 Below (Straddle) Exlortion Inc. Gallup Ranch #1-13 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54241 Printed: 2014.08.08 @ 11:27:58

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54240

Well Name & No. GALLUP RANCH #1-13 Test No. 1 Date 8-4-14

Company CASTELLI EXPL. INC. Elevation 1787 KB 1774 GL

Address 6908 N.W. 112TH, OKLAHOMA CITY, OK. 73162

Co. Rep / Geo. CASTELLI / POPP Rig DUKE DRLG. #7

Location: Sec. 13 Twp. 30S Rge. 16W Co. KIOWA State KS.

Interval Tested 4513 - 4560' Zone Tested VIOLA

Anchor Length 47' Drill Pipe Run 4317' Mud Wt. 9.2

Top Packer Depth 4508' Drill Collars Run 180' Vis 50

Bottom Packer Depth 4513' Wt. Pipe Run 0 WL 9.2cc

Total Depth 4560' Chlorides 5,000 ppm System LCM 3#

Blow Description IF: Weak blow. 1/2 - 1". ISI: No blow.

FF: Weak blow. 1/2 - 3". FSI: No blow.

Rec 140	Feet of Gas in pipe	%gas	%oil	%water	%mud
Rec 40	Feet of SOCM	%gas 2	%oil	%water 98	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 Fluid BHT 119° Gravity N/A API RW ~ @ — °F Chlorides 5000 ppm

(A) Initial Hydrostatic	2223	☑ Test	1250	T-On Location	1821
(B) First Initial Flow	20	☑ Jars	250	T-Started	1901
(C) First Final Flow	25	☑ Safety Joint	75	T-Open	1054
(D) Initial Shut-In	96	☐ Circ Sub		T-Pulled	2345
(E) Second Initial Flow	25	☐ Hourly Standby		T-Out	0200 *
(F) Second Final Flow	31	☑ Mileage 74	114.70	Comments	
(G) Final Shut-In	226	☐ Sampler			
(H) Final Hydrostatic	2181	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	45	☐ Extra Recorder		Sub Total	0
Final Flow	30	☑ Day Standby	1.7 *	Total	1689.70
Final Shut-In	60	☐ Accessibility		MP/DST Disc't	
		Sub Total	1689.70		

Approved By Our Representative Craig Patterson

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54241

& No. Gallup Ranch #1-13 Test No. 2 Date 8-6-14

Castelli Expl. Inc. Elevation 1787 KB 1774 GL

6908 N.W. 112th, Oklahoma City, OK. 73162

Geo. Castelli / Popp Rig Duke Drlg. #7

Sec. 13 Twp. 30S Rge. 16W Co. Kiowa State Ks.

d 4670 -4700' Zone Tested Viola

th 30' Drill Pipe Run 4475' Mud Wt. 9.2

epth 4665 & 4670' Drill Collars Run 180' Vis 57

er Depth 4700' Wt. Pipe Run 0 WL 9.2cc

LTD 4903' Chlorides 5,000 ppm System LCM 2#

tion IF: Weak to fair blow. Increase to 6½".

No blow.

Weak to fair blow. Increase to 10". FSI: No blow.

70	Feet of MW	%gas	%oil	83	%water	17	%mud
365	Feet of SW	%gas	%oil		%water		%mud
	Feet of	%gas	%oil		%water		%mud
	Feet of	%gas	%oil		%water		%mud
	Feet of	%gas	%oil		%water		%mud

435' BHT 129° Gravity N/A API RW .08 @ 81 °F Chlorides 84,000 ppm

ydrostatic	2329	☑ Test	1250	T-On Location	2311
ial Flow	50	☑ Jars	250	T-Started	2336
al Flow	118	☑ Safety Joint	75	T-Open	0148
hut-In	1625	☐ Circ Sub		T-Pulled	0548
Initial Flow	153	☐ Hourly Standby		T-Out	0829
Final Flow	234	☑ Mileage (74) X2	229.40	Comments	
hut-In	1566	☐ Sampler			Loaded tools????
lydrostatic	2242	☑ Straddle	600	☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
n	30	☐ Extra Packer		☐ Extra Copies	
t-In	60	☐ Extra Recorder		Sub Total	716.67
	60	☐ Day Standby	1d 21.25h	Total	3121.07
t-In	90	☐ Accessibility		MP/DST Disc't	
		Sub Total	2404.40		

Our Representative Gary Woodward

d By

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 10873 A

DATE TICKET NO.

DATE OF JOB 08-8-14 DISTRICT PRATT KS	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER CASTELLI-EXPLORATION INC	LEASE GALLUP RANCH 1-13 WELL NO.
ADDRESS	COUNTY KIOWA STATE KS
CITY STATE	SERVICE CREW Sullivan, McCraw, Cobbs
AUTHORIZED BY	JOB TYPE CW P.T.A

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
77686-19605	1				
19831-19862	1				
37900					

	DATE		TIME
TRUCK CALLED	8-7-14	AM PM	7:30
ARRIVED AT JOB	8-7-14	AM PM	9:00
START OPERATION	8-7-14	AM PM	10:50
FINISH OPERATION	8-8-14	AM PM	5:30
RELEASED	8-8-14	AM PM	6:15
MILES FROM STATION TO WELL	30		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Galen D Rouch
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP 103	60/40 poz cmt	SK	290		3480 00
CC 200	Cmt gel	lb	500		125 00
E 100	Pickup mi	mi	30		127 50
E 101	Heavy Equip mi	mi	60		420 00
E 113	Bulk Delivery	TM	375		825 00
CE 205	Depth Charge	SH	1		2,520 00
CE 240	Blending/Mixing	SK	290		406 00
S003	Lease Supervisor	SH	1		175 00

SUB TOTAL 6,139.50

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

THANK YOU

SERVICE REPRESENTATIVE Robert Sullivan

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Galen D Rouch
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer CASTELLI - EXPLORATION	Lease No.		Date 08-08-14		
Lease GALLUP RANCH	Well # 1-13				
Field Order # 10873	Station PRATT KS	Casing P.P	Depth 4860'	County KIOWA	State KS
Type Job CNW P.T.A	Formation		Legal Description 13-30-16		

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative			Station Manager DAVE Scott		Treater Robert Sullivan						
Service Units	37900	77686	19905	19831	19862						
Driver Names	Sullivan	McGraw	Cobbe								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					on loc
					P.T.A.
					Bottom Plug @ 4860' w/ 50 sk
1050			10	3.5	SPACER
/			10		cmt
/			10		SPACER
11:10			60		MUD
				3	Plug 690' w/ 50 sk
200			5		SPACER
/			10		cmt
/			5		SPACER
2:10			5		MUD
					plug 370' w/ 100 sk
2:30			5	3	SPACER
/			20		cmt
2:40			1		DISP
5:10			8		TOP 60' w/ 40 sk
/			7		plug RH w/ 30 sk
5:30			5		plug MH w/ 20 sk
					JOB Complete
					Thank You

Taylor Printing, Inc. 620-672-3656