

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1241999  
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: \_\_\_\_\_

1241999

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:  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

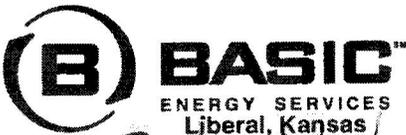
<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Raydon Exploration, Inc.
Well Name	Parity 3-34
Doc ID	1241999

All Electric Logs Run

Array Compensated True Resistivity Log
Borehole Compensated Sonic Array Log
Annular Hole Volume
Dual Spaced Spectral Density Log
Microlog





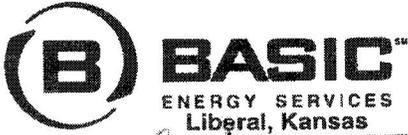
**Cement Report**

Customer <i>Rapier Exploration</i>		Lease No.		Date <i>12/12/14</i>		
Lease <i>Partly</i>		Well # <i>3-34</i>		Service Receipt		
Casing <i>4 5/8</i>	Depth <i>1602'</i>	County <i>SEWARD</i>		State <i>KS</i>		
Job Type <i>Surface</i>		Formation		Legal Description		
<b>Pipe Data</b>			<b>Perforating Data</b>		<b>Cement Data</b>	
Casing size <i>4 5/8</i>	Tubing Size	<b>Shots/Ft</b>		Lead <i>400sk A-60m</i>		
Depth <i>1602'</i>	Depth	From	To	<i>@11.4#</i>		
Volume <i>99</i>	Volume	From	To	<i>2.95 18.10</i>		
Max Press <i>1500</i>	Max Press	From	To	Tail in <i>150sk P.P.</i>		
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	<i>@14.8#</i>		
Plug Depth	Packer Depth	From	To	<i>1.34 6.33</i>		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log	
<i>09:00</i>					<i>on loc, spot, safety, etc.</i>	
<i>13:05</i>	<i>2000</i>				<i>Test logs</i>	
<i>13:08</i>	<i>140</i>		<i>0</i>	<i>5</i>	<i>Start mixing @11.4#</i>	
<i>13:52</i>	<i>230</i>		<i>210</i>	<i>5</i>	<i>on tail @14.8#</i>	
<i>14:01</i>	<i>0</i>		<i>36</i>	<i>0</i>	<i>Finished mixing. Drop Plug</i>	
<i>14:04</i>	<i>40</i>		<i>0</i>	<i>5</i>	<i>Start Disp. Washup on Plug</i>	
<i>14:18</i>	<i>100</i>		<i>79</i>	<i>1.5</i>	<i>Slow Rate</i>	
<i>14:45</i>	<i>210-700</i>		<i>99</i>	<i>0</i>	<i>Plug Down</i>	
<i>14:47</i>	<i>0</i>				<i>Release PB, float held</i>	
					<i>Job Complete</i>	
Service Units		<i>76939</i>	<i>3722337926</i>	<i>3416319506</i>	<i>1952737925</i>	
Driver Names						

*Terry*  
Customer Representative

*Gene Bennett*  
Station Manager

*Chris*  
Cementer  
Taylor Printing, Inc.



### Cement Report

Customer <i>Raydon Exploration</i>		Lease No.		Date <i>12-21-14</i>				
Lease <i>Family</i>		Well # <i>3-34</i>		Service Receipt <i>1717-05576</i>				
Casing <i>5 1/2"</i>	Depth <i>4734.11</i>	County <i>36</i>		State <i>KS</i>				
Job Type <i>Production</i>		Formation		Legal Description				
Pipe Data			Perforating Data			Cement Data		
Casing size <i>5 1/2" 13.5</i>	Tubing Size		Shots/Ft			Lead <i>1505K Acow @ 11.4</i>		
Depth <i>4734.11</i>	Depth		From	To		2.93 1800		
Volume <i>111.69</i>	Volume		From	To		Tail in <i>1005K AAZ @ 14.8</i>		
Max Press <i>2500 psi</i>	Max Press		From	To		1.51 6.64		
Well Connection <i>PC</i>	Annulus Vol.		From	To				
Plug Depth <i>4692.86</i>	Packer Depth		From	To				
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log			
<i>12/20</i> <i>7/11</i> 01:00					On loc laying down drill pipe			
01:20					Trucks on for safety w/ BES Employees			
01:30					spotting rig up			
04:00					safety w/ rig crew			
04:35					M.I. Super Plus III			
04:47					pressure test 2500			
04:45	150			3.6	pump super flush			
04:55				2	pump fast mouse			
05:15	150		52	6.3	start pumping lead			
05:30	220		27	6.0	switch to tail			
05:35					shut down drop plug			
05:38					washup to pit			
05:44	110		111	6.5	start disp.			
	230		92 gne	6.4	caught pressure			
06:04	800		104 gne	2	slow rate			
06:07	960		111 gne		plug landed			
	1780				pressure up			
06:17					rebacked back			
					float held			
<i>Job Complete</i>								
Service Units	<i>860543</i>	<i>38114/19919</i>	<i>19827/30705</i>					
Driver Names	<i>Tommy M.</i>	<i>David B.</i>	<i>Victor V.</i>					

*Terry Barber*  
Customer Representative

*[Signature]*  
Station Manager

*Tommy Marcelles*  
Cementer  
Taylor Printing, Inc.



## DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration, Inc**

1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118

ATTN: Ed Grieves

**Parity #3-34**

**34-33s-31w-Seward,KS**

Start Date: 2014.12.17 @ 00:36:00

End Date: 2014.12.17 @ 14:31:15

Job Ticket #: 56586                      DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.23 @ 09:56:22

Raydon Exploration, Inc    34-33s-31w-Seward,KS    Parity #3-34    DST # 1    LKC 'A'    2014.12.17



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raydon Exploration, Inc  
1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118  
ATTN: Ed Grieves

**34-33s-31w-Seward,KS**

**Parity #3-34**

Job Ticket: 56586

**DST#: 1**

Test Start: 2014.12.17 @ 00:36:00

## GENERAL INFORMATION:

Formation: **LKC 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 14:31:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornello Landa III

Unit No: 44

Interval: **4445.00 ft (KB) To 4456.00 ft (KB) (TVD)**

Reference Elevations: 2734.00 ft (KB)

Total Depth: 4456.00 ft (KB) (TVD)

2724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8968**

**Outside**

Press@RunDepth: psig @ 4446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.17

End Date:

2014.12.17

Last Calib.:

2014.12.17

Start Time: 00:36:05

End Time:

14:31:15

Time On Btm:

2014.12.17 @ 07:53:00

Time Off Btm:

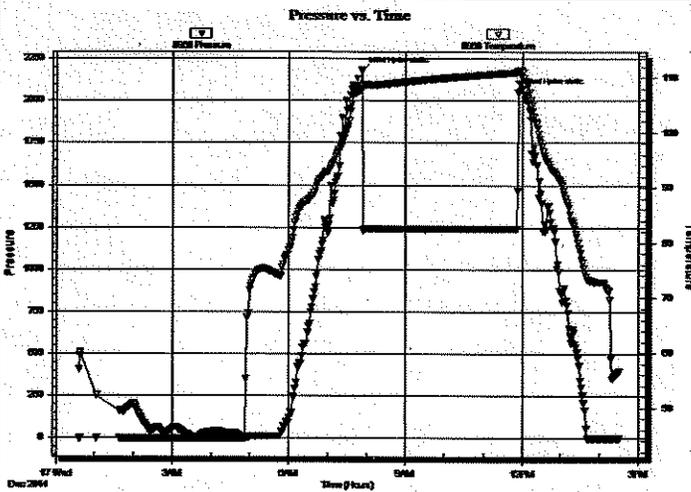
2014.12.17 @ 11:54:15

**TEST COMMENT:** IF: Weak surface blow -Built to 1/4".-Died back to Weak surface blow

IS: No return

FF: No blow

FS: No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.97	108.12	Initial Hydro-static
242	2051.22	111.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

## Gas Rates

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





**TRIOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Raydon Exploration, Inc

**34-33s-31w-Seward,KS**

1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118  
ATTN: Ed Grieves

**Parity #3-34**

Job Ticket: 56586

**DST#: 1**

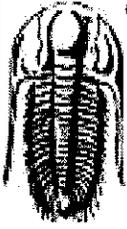
Test Start: 2014.12.17 @ 00:36:00

### Tool Information

Drill Pipe:	Length: 4194.00 ft	Diameter: 3.80 inches	Volume: 58.83 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 20000.00 lb
			<u>Total Volume: 60.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4445.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4419.00	
Shut In Tool	5.00			4424.00	
Hydraulic tool	5.00			4429.00	
Jars	5.00			4434.00	
Safety Joint	2.00			4436.00	
Packer	5.00			4441.00	27.00 Bottom Of Top Packer
Packer	4.00			4445.00	
Stubb	1.00			4446.00	
Recorder	0.00	8969	Inside	4446.00	
Recorder	0.00	8968	Outside	4446.00	
Perforations	7.00			4453.00	
Bullnose	3.00			4456.00	11.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raydon Exploration, Inc

**34-33s-31w-Seward,KS**

1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118  
ATTN: Ed Grieves

**Parity #3-34**

Job Ticket: 56586

**DST#: 1**

Test Start: 2014.12.17 @ 00:36:00

## 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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.91 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

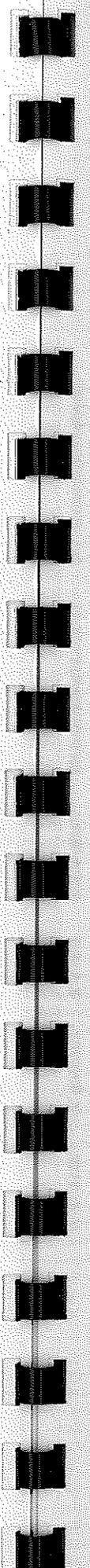
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

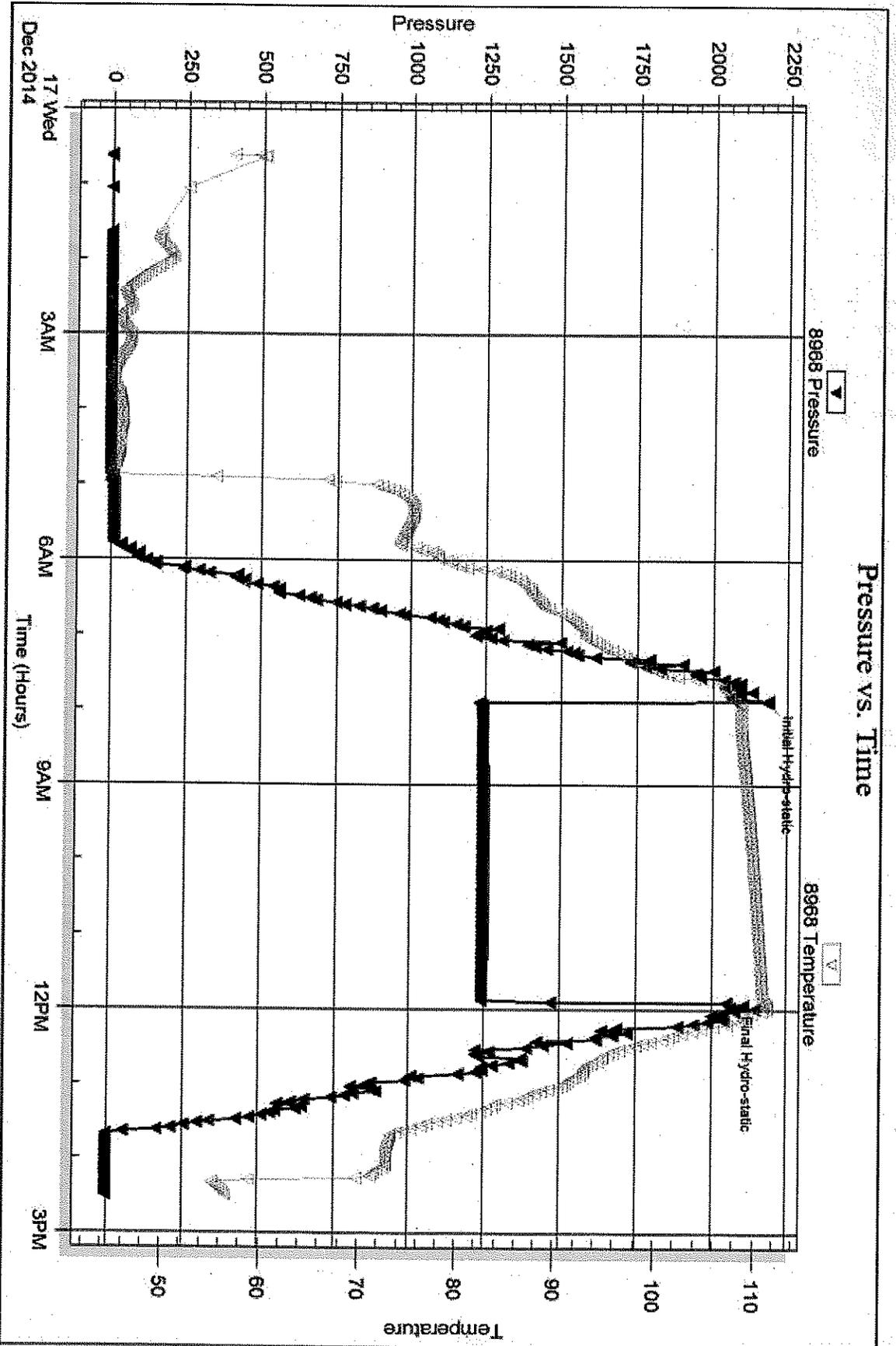


Serial #: 8968

Outlet: Raydon Exploration, Inc

Party #3-34

DST Test Number: 1



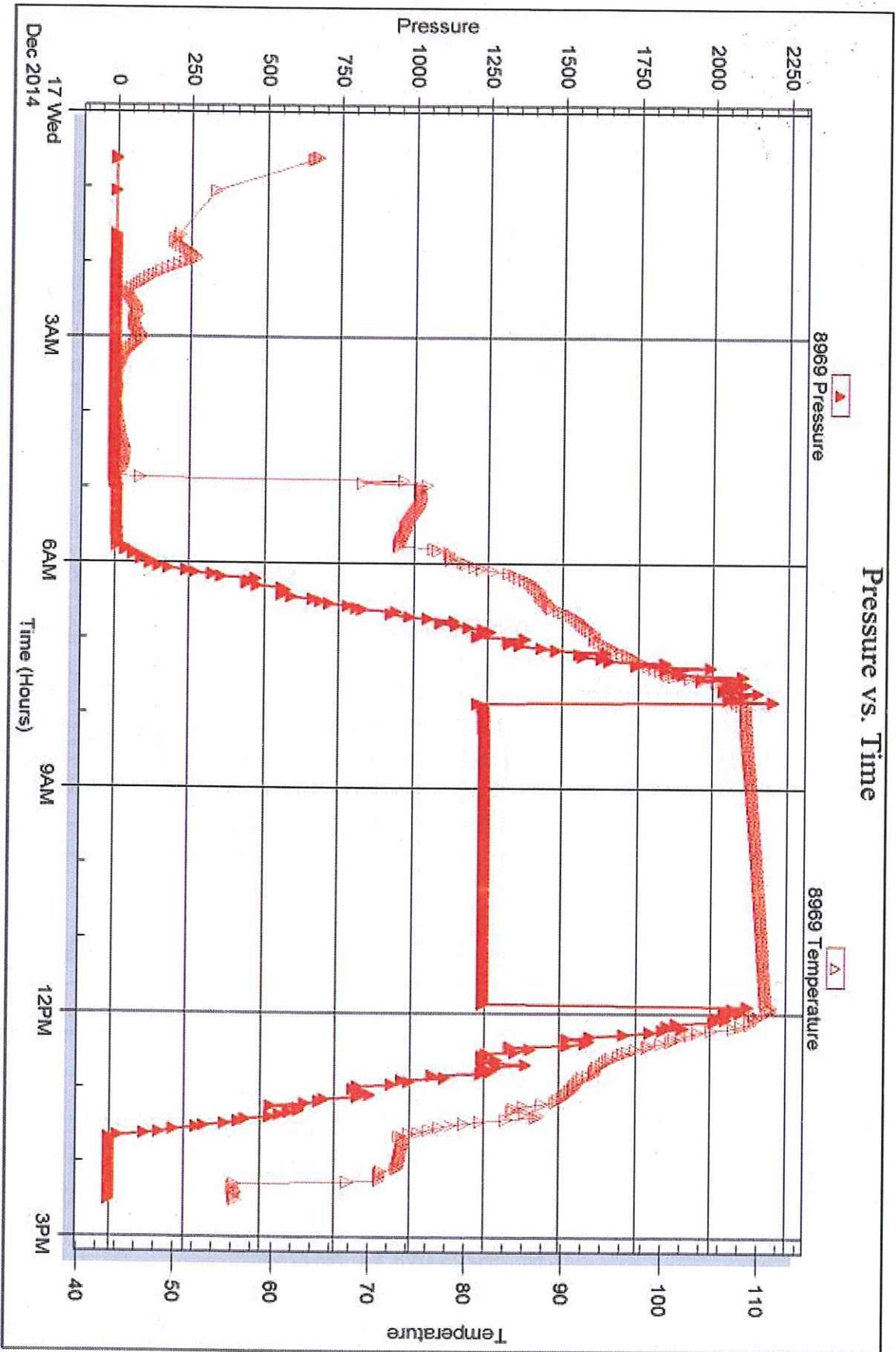
Serial #: 8969

Inside

Raydon Exploration, Inc

Party #3-34

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56586

Printed: 2014.12.23 @ 09:56:24



## DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration, Inc**

1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118

ATTN: Ed Grieves

**Parity #3-34**

**34-33s-31w-Seward,KS**

Start Date: 2014.12.17 @ 23:15:00

End Date: 2014.12.18 @ 13:17:45

Job Ticket #: 56587                      DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.23 @ 09:44:57

Raydon Exploration, Inc  
34-33s-31w-Seward,KS  
Parity #3-34  
DST # 2  
Lansing, A  
2014.12.17



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raydon Exploration, Inc

**34-33s-31w-Seward,KS**

1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118  
ATTN: Ed Grieves

**Parity #3-34**

Job Ticket: 56587

**DST#: 2**

Test Start: 2014.12.17 @ 23:15:00

## GENERAL INFORMATION:

Formation: **Lansing 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:07:45

Time Test Ended: 13:17:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 44

Interval: **4446.00 ft (KB) To 4456.00 ft (KB) (TVD)**

Total Depth: 4456.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2734.00 ft (KB)

2724.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8968** Outside

Press@RunDepth: 741.72 psig @ 4447.00 ft (KB)

Start Date: 2014.12.17

End Date: 2014.12.18

Capacity: 8000.00 psig

Last Calib.: 2014.12.18

Start Time: 23:15:05

End Time: 13:17:45

Time On Btm: 2014.12.18 @ 02:07:15

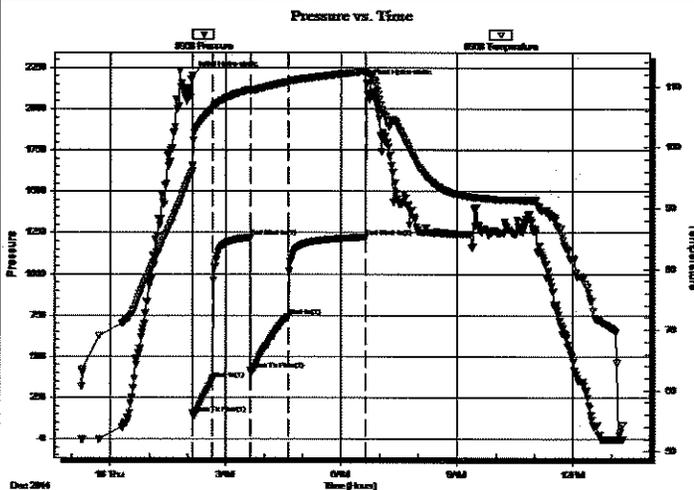
Time Off Btm: 2014.12.18 @ 06:40:15

**TEST COMMENT:** IF: BOB in 32 seconds - GTS in 20 min.-Gauged gas-See gas report - Wand did light- Yellow w/ slight blue flame

IS: Bled off in 10 min.-BOB in 2 min

FF: BOB immediately-

FS: Bled off in 10 min.- BOB Immediately



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.63	96.13	Initial Hydro-static
1	153.17	96.98	Open To Flow (1)
32	358.05	106.35	Shut-In(1)
91	1220.88	109.49	End Shut-In(1)
91	418.30	109.25	Open To Flow (2)
151	741.72	110.77	Shut-In(2)
272	1222.32	112.53	End Shut-In(2)
273	2153.75	112.67	Final Hydro-static

## Recovery

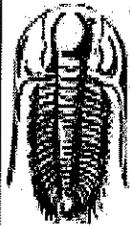
Length (ft)	Description	Volume (bbl)
3081.00	Cgo 15g 85o	41.03
120.00	GcW 40g 60w	1.68

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	20.00	12.88
Max. Gas Rate	0.13	20.00	12.88





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Raydon Exploration, Inc

**34-33s-31w-Seward,KS**

1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118  
ATTN: Ed Grieves

**Parity #3-34**

Job Ticket: 56587

**DST#: 2**

Test Start: 2014.12.17 @ 23:15:00

### Tool Information

Drill Pipe:	Length: 4194.00 ft	Diameter: 3.80 inches	Volume: 58.83 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 20000.00 lb
			<u>Total Volume: 60.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4446.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4419.00	
Shut In Tool	5.00			4424.00	
Hydraulic tool	5.00			4429.00	
Jars	5.00			4434.00	
Safety Joint	2.00			4436.00	
Change Over Sub	1.00			4437.00	
Packer	5.00			4442.00	28.00 Bottom Of Top Packer
Packer	4.00			4446.00	
Stubb	1.00			4447.00	
Recorder	0.00	8969	Inside	4447.00	
Recorder	0.00	8968	Outside	4447.00	
Perforations	6.00			4453.00	
Bullnose	3.00			4456.00	10.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Raydon Exploration, Inc

**34-33s-31w-Seward,KS**

1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118  
ATTN: Ed Grieves

**Parity #3-34**

Job Ticket: 56587

**DST#: 2**

Test Start: 2014.12.17 @ 23:15:00

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 52.00 sec/qt  
Water Loss: 9.95 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 2500.00 ppm  
Filter Cake: 2.00 inches

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

Oil API: 40 deg API  
Water Salinity: 150000 ppm

**Recovery Information**

Recovery Table

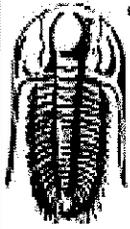
Length ft	Description	Volume bbl
3081.00	Cgo 15g 85o	41.032
120.00	GcW 40g 60w	1.683

Total Length: 3201.00 ft      Total Volume: 42.715 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Pipe unloaded fluid for 5 min.-Dropped bar-Reserved fluid into truck caught 5 min. samples for 30 min. RW.880 @48=150000



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Raydon Exploration, Inc

**34-33s-31w-Seward,KS**

1601 NW Expressway  
Ste.#1300  
Oklahoma City, OK 73118  
ATTN: Ed Grieves

**Parity #3-34**

Job Ticket: 56587

**DST#: 2**

Test Start: 2014.12.17 @ 23:15:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.13	3.00	6.51
1	25	0.13	4.00	6.89
1	30	0.13	5.00	7.26
2	10	0.13	8.00	8.38
2	20	0.13	9.50	8.95
2	30	0.13	11.00	9.51
2	40	0.13	14.00	10.63
2	50	0.13	18.00	12.13
2	60	0.13	20.00	12.88

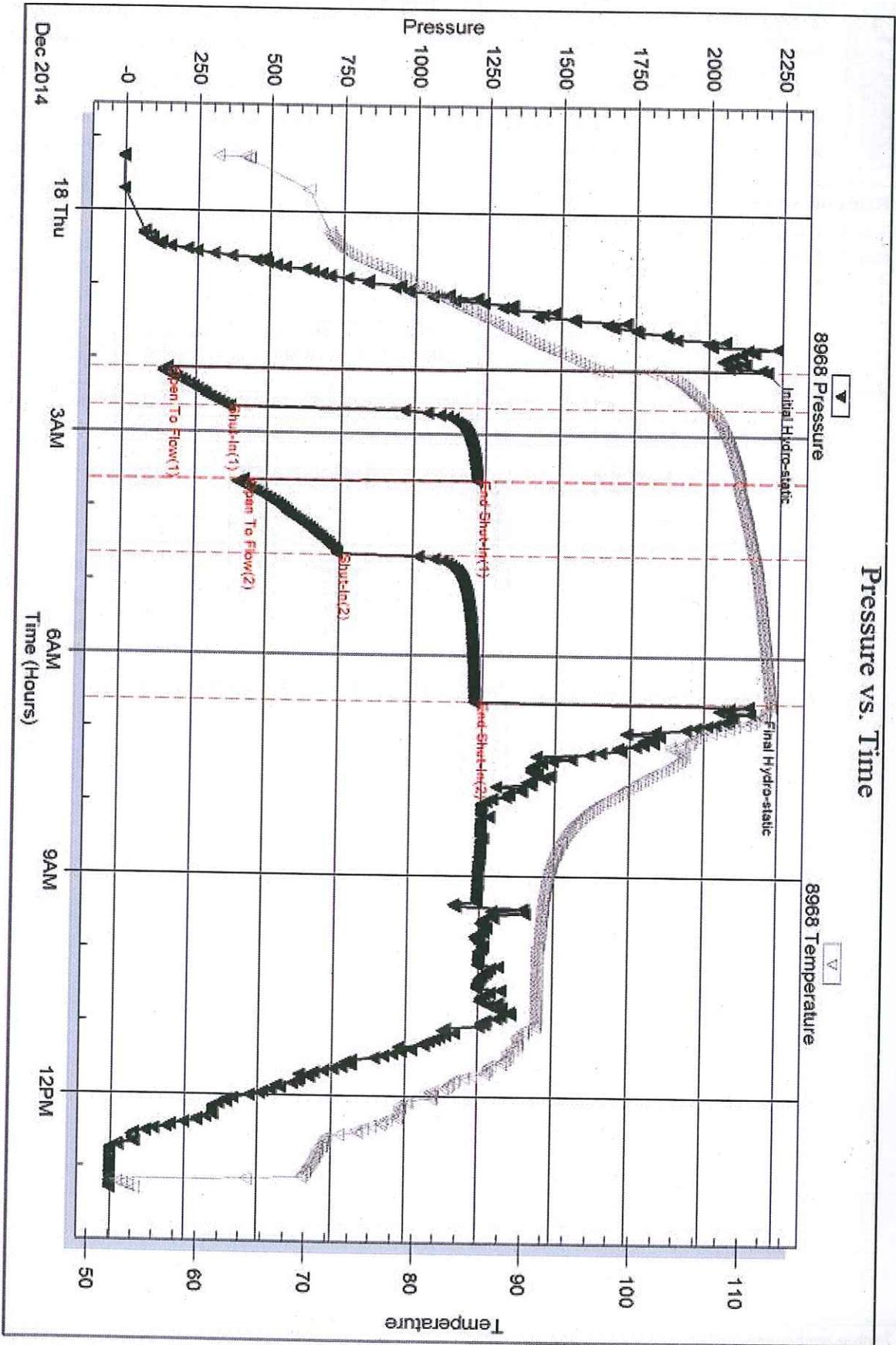
Serial #: 8968

Outside Raydon Exploration, Inc

Part# #3-34

DST Test Number: 2

### Pressure vs. Time

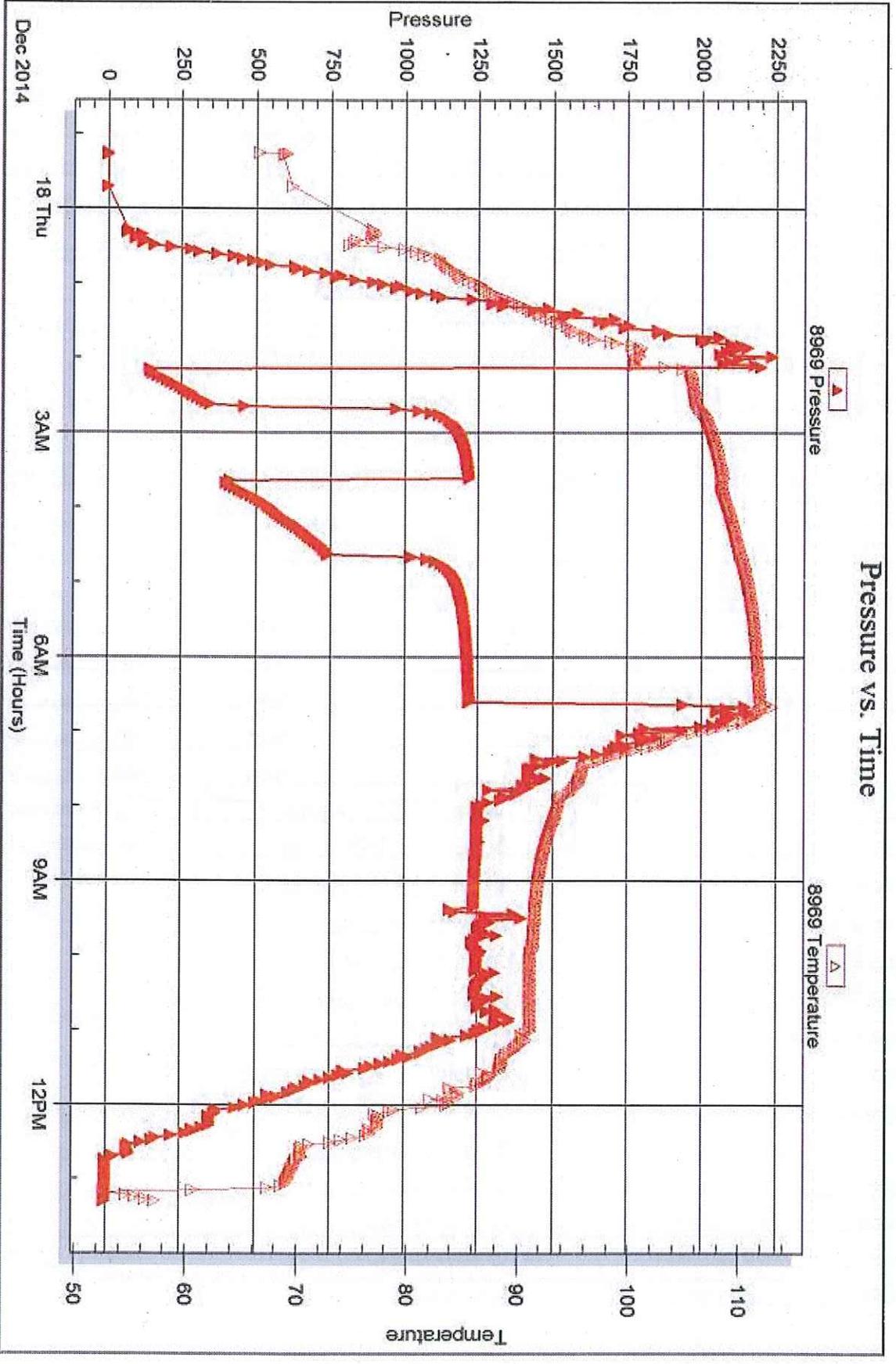


Serial #: 8969

Inside Raydon Exploration, Inc

Party #3-34

DST Test Number 2



Triobite Testing, Inc

Ref. No: 56587

Printed: 2014. 12.23 @ 09:44:56



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **56586**

Well Name & No. Parity # 3-34 Test No. 1 Date 12-17-14  
 Company Raydon Exploration, Inc. Elevation 2734 KB 2724 GL  
 Address 1601 NW Expressway - Ste # 1300 - Oklahoma City, OK 73118  
 Co. Rep / Geo. Ed Greves Rig Tomcat #4  
 Location: Sec. 34 Twp. 33S Rge. 31W Co. Seward State KS

Interval Tested 4445-4456 Zone Tested Leasing 'A'  
 Anchor Length 11' Drill Pipe Run 4194 Mud Wt. 9.0  
 Top Packer Depth 4441 Drill Collars Run 240' Vis 55  
 Bottom Packer Depth 4445 Wt. Pipe Run Ø WL 10.0  
 Total Depth 4456 Chlorides 4800 ppm System LCM #4

Blow Description TF: Weak surface blow - Built to 1/4 in. - Dried back to weak surface blow  
ISI: No Return  
FF: NO Blow  
FST: No Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>mud</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 111 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2180</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>00:35</u>
(B) First Initial Flow	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>00:36</u>
(C) First Final Flow	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>07:53</u>
(D) Initial Shut-In	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u> <u>400</u>	T-Pulled <u>11:53</u>
(E) Second Initial Flow	<input checked="" type="checkbox"/> Hourly Standby <u>4 hrs over a better fine</u>	T-Out <u>14:31</u>
(F) Second Final Flow	<input checked="" type="checkbox"/> Mileage <u>116 R/T</u> <u>170.50</u>	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2051</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby	Total <u>2345.50</u>
	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>2345.50</u>	

Approved By Ed Greves Our Representative Ed Greves

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. 56587

Well Name & No. Party # 3-34 Test No. 2 Date 12-17-14  
 Company Raydon Exploration, Inc Elevation 2734 KB 2734 GL  
 Address 1601 NW Expressway Ste. #1300 - Oklahoma City, OK 73118  
 Co. Rep / Geo. Ed Grieses Rig Tomcat #4  
 Location: Sec. 34 Twp. 33S Rge. 31W Co. Seward State KS

Interval Tested 4446-4456 Zone Tested Lansing 'A'  
 Anchor Length 10' Drill Pipe Run 4194' Mud Wt. 8.9  
 Top Packer Depth 4442 Drill Collars Run 240' Vis 52  
 Bottom Packer Depth 4446 Wt. Pipe Run 8 WL 10.0  
 Total Depth 4456 Chlorides 2500 ppm System LCM #4

Blow Description IF: B.O.B. in 32 seconds - G.T.S. in 20 min - Took Gas Sample - Gauged Gas  
ISI: Bled off in 10 min - B.O.B. in 2 min - G.T.S. | See Gas Report  
FF: B.O.B. Immediately - G.T.S. - Gauged Gas - See Gas Report  
FSI: Bled off in 10 min - B.O.B. Immediately

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>GCW</u>	<u>40</u>	<u>60</u>		
<u>3081</u>	<u>CGO</u>	<u>15</u>	<u>85</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3201 BHT 113 Gravity 40 API RW 88 @ 48 °F Chlorides 15000 ppm

(A) Initial Hydrostatic 2201  Test 1250  
 (B) First Initial Flow 153  Jars 250  
 (C) First Final Flow 358  Safety Joint 75  
 (D) Initial Shut-In 1221  Circ Sub 350 50  
 (E) Second Initial Flow 418  Hourly Standby 2 hrs over slotted  
 (F) Second Final Flow 742  Mileage 170.50 fine  
 (G) Final Shut-In 1222  Sampler  
 (H) Final Hydrostatic 2154  Straddle  
 Shale Packer X2 500  
 Extra Packer  
 Extra Recorder  
 Day Standby 1.5d 14h  
 Accessibility 14 hrs at 150  
 Sub Total 2845 Standby since last test

T-On Location 23:15  
 T-Started 0 23:15  
 T-Open 02:07  
 T-Pulled 06:37  
 T-Out 13:17

Comments Dropped Bar -  
reversed fluid into truck  
enloc 15:15 on 12-20-14

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 120

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 800  
 Total 3645.50  
 MP/DST Disc't

Approved By

Our Representative

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.



