





1074073

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SODOCO, LLC
Well Name	LIVINGSTON 2-35
Doc ID	1074073

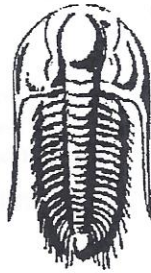
All Electric Logs Run

Spectral Density Dual Spaced Neutron
Array Compensated True Resistivity
Borehole Compensated Sonic Array
Micro

Form	ACO1 - Well Completion
Operator	SODOCO, LLC
Well Name	LIVINGSTON 2-35
Doc ID	1074073

Tops

Name	Top	Datum
Anhydrite	2260	+910
Base Anhydrite	2272	+898
Heebner	3962	-792
Toronto	3979	-809
Lansing	4008	-838
Base Kansas City	4476	-1306
Marmaton	4511	-1341
Beymer Zone	4603	-1433
Johnson Zone	4632	-1462
Cherokee Shale	4650	-1480
Morrow Shale	4871	-1701
Mississippian	4940	-1770



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **SDOCO, LLC**

PO Box 369  
Littleton, CO 80160

ATTN: Gary Doke

**Livingston #2-35**

**35 20s 35w Wichita,KS**

Start Date: 2011.10.21 @ 20:05:00

End Date: 2011.10.22 @ 06:09:45

Job Ticket #: 44496                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.02 @ 14:24:29

SDOCO, LLC      35 20s 35w Wichita,KS      Livingston #2-35      DST # 1      Beymer      2011.10.21



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

SDOCO, LLC  
PO Box 369  
Littleton, CO 80160  
ATTN: Gary Doke

**35 20s 35w Wichita, KS**  
**Livingston #2-35**  
Job Ticket: 44496      **DST#: 1**  
Test Start: 2011.10.21 @ 20:05:00

**Tool Information**

Drill Pipe:	Length: 4206.00 ft	Diameter: 3.80 inches	Volume: 59.00 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: 25000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 89000.00 lb
			<u>Total Volume: 60.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4580.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 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			4553.00	
Shut In Tool	5.00			4558.00	
Hydraulic tool	5.00			4563.00	
Jars	5.00			4568.00	
Safety Joint	2.00			4570.00	
Packer	5.00			4575.00	28.00      Bottom Of Top Packer
Packer	5.00			4580.00	
Stubb	1.00			4581.00	
Recorder	0.00	8652	Inside	4581.00	
Recorder	0.00	8360	Outside	4581.00	
Perforations	5.00			4586.00	
Change Over Sub	1.00			4587.00	
Drill Pipe	32.00			4619.00	
Change Over Sub	1.00			4620.00	
Bullnose	3.00			4623.00	43.00      Bottom Packers & Anchor

**Total Tool Length: 71.00**

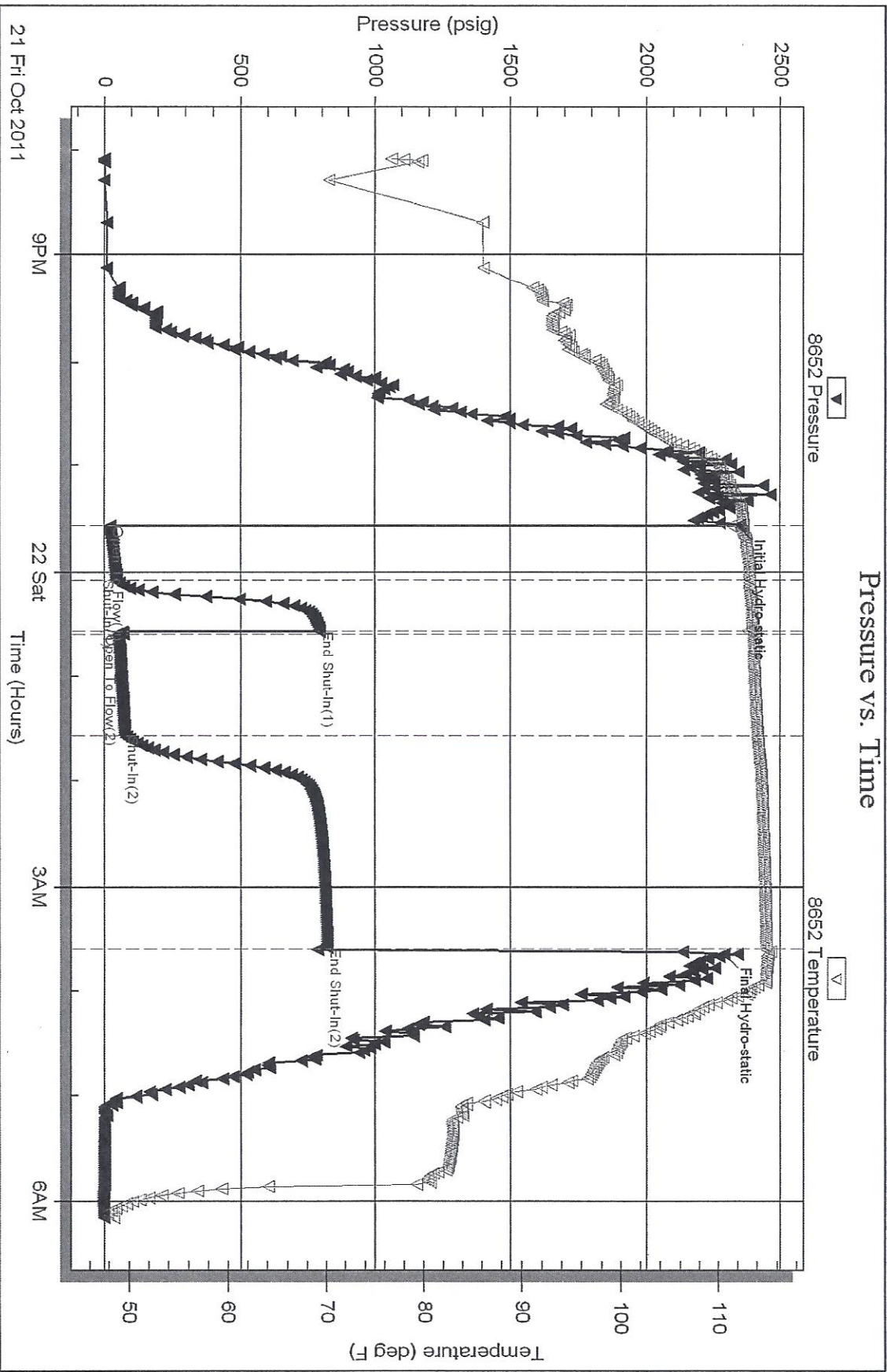
Serial #: 8652

Inside

SDOCO, LLC

Livingston #2-35

DST Test Number: 1



**Dry and Abandoned**

**Contractor:** H2 Drilling Co. (Rig #1)

**Commenced:** October 16, 2011

**Completed:** October 24, 2011

**Elevation:** 3170' K.B.; 3168' D.F.; 3158' G.L.

**Casing program:** Surface; 8 5/8" @ 263' Production; none

**Sample:** Samples saved and examined 3700' to the Rotary Total Depth.

**Drilling time:** One (1) foot drilling time recorded and kept 3700 ft to the Rotary Total Depth.

**Measurements:** All depths measured from the Kelly Bushing.

**Drill Stem Tests:** There was one (1) Drill Stem Test ran by Trilobite Testing Co.

**Electric Log:** By Halliburton; ACRT, SDL/DSN, BSAT & Micro.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	2260	+910
Base Anhydrite	2272	+898
Heebner	3962	-792
Toronto	3979	-809
Lansing	4008	-838
Base Kansas City	4476	-1306
Marmaton	4511	-1341
Beymers Zone	4603	-1433
Johnson Zone	4632	-1462
Cherokee Shale	4650	-1480
Morrow Shale	4871	-1701
Mississippian	4940	-1770
Rotary Total Depth	5090	-1920
Log Total Depth	5080	-1910

(All tops and zones corrected to Electric Log measurements).

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

**TOPEKA & LANSING SECTION**

3700-4476

There were several zones of well-developed porosity encountered in the drilling of the Topeka through Lansing Sections but no shows of oil and/or gas was noted. (See attached Sample/Geologist report).



**BEYMER SECTION**

4536-4546' Limestone; tan, gray, oolitic, few fossiliferous, poor visible porosity, no shows.

4556-4570' Limestone; gray, cream, loose fossil fragments, trace white and gray chert.

4575-4600' Limestone; cream, tan, oolitic, poorly developed porosity, no shows.

4610-4617' Limestone; cream, tan, finely crystalline, oolitic, scattered intercrystalline to inter-oolitic type porosity, light brown stain, trace of free oil and fair odor in fresh samples

**Drill Stem Test #1 4580-4623'**

Times: 30-30-60-120

Blow; Weak

Recovery: 5' oil  
 105' very slightly oil cut mud  
 (2% oil, 98% mud)

Pressures: ISIP 792 psi  
 FSIP 820 psi  
 IFP 22-44 psi  
 FFP 53-76 psi  
 HSH 2347-2293 psi

**JOHNSON SECTION**

4632-4634' Limestone; gray and tan, finely crystalline, oolitic, scattered fine vuggy type and inter-oolitic porosity, no show, faint odor in fresh samples.

4638-4646' Limestone; as above, slightly cherty, dark brown to black (dead) oil stain, no show of free oil and no odor in fresh samples.

**CHEROKEE SECTION**

4654-4680' Limestone; tan, gray, oolitic, cherty, poor visible porosity.

4680-4720' Limestone; cream, tan, dense, poor porosity, no shows.

4753-4774' Limestone; tan, gray, finely crystalline, finely crystalline, scattered intercrystalline porosity, dark brown and black stain, no show of free oil and no odor in fresh samples.

4851-4860' Limestone; tan/cream, oolitic, scattered porosity, dark brown to black stain, trace black (dead) oil and no odor in fresh samples.

**MISSISSIPPIAN SECTION**

Rotary Total Depth	Log Total Depth
4940-4960'	Limestone; cream, tan, few fossiliferous, chalky, no shows.
4960-4980'	Limestone; white, cream, finely crystalline, fossiliferous in part, trace loose unconsolidated quartz grains, no shows.
4980-5000'	Limestone; gray, white, sandy, chalky, no shows.
5000-5020'	Limestone; as above.
5020-5060'	Limestone; white, cream, slightly oolitic, chalky, poor porosity, no shows.
5060-5090'	Limestone; white, cream, tan, oolitic, slightly sandy in part, poor porosity, chalky, plus abundant varied colored shale.

5090 (-1920)  
5088 (-1910)

**Recommendations:** The Livingston #2-35 was plugged and abandoned at the Rotary Total Depth 5090'

Respectfully submitted;

*Kurt Talbott*

Kurt Talbott,  
Petroleum Geologist

