

#### Kansas Corporation Commission Oil & Gas Conservation Division

1074073

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City:	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd.  CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:   Deepening Re-perf. Conv. to ENHR Conv. to SWD  Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled         Permit #:	Operator Name:
GSW Permit #:  Spud Date or Date Reached TD Completion Date or	County: Permit #:
Recompletion Date  Recompletion Date  Recompletion Date	

#### **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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

Side Two



Operator Name:				Lease N	lame:			Well #:		
Sec Twp	S. R	East	] West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rat line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures st, along with	s, whether s final chart(s	hut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	nole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional		Yes	☐ No		Log	g Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор		Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop)	d Electronically	☐ Yes ☐ Yes ☐ Yes	No No No							
List All E. Logs Run:										
		Report a		RECORD	New	Used	on, etc.			
Purpose of String	Size Hole Drilled	Size C Set (In	asing	Weig Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent additives
		<u> </u> 	DDITIONAL	CEMENTIN	IG / SQUE	EZE RECORD				
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of 0	Cement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify	ON RECORD - Footage of Each	Bridge Plug n Interval Peri	s Set/Type forated			cture, Shot, Ceme mount and Kind of N	nt Squeeze Record Material Used)	d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
							Yes N	0		
Date of First, Resumed	Production, SWD or EN	IHR. Pr	oducing Meth	nod:	g	as Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	BI	ols.	Gas-Oil Ratio		Gravity
DISPOSITI	ON OF GAS:		N	METHOD OF	COMPLET	TION:		PRODUCTIO	ON INTER	VAL:
Vented Solo	Used on Lease		n Hole	Perf.	Dually (		nmingled mit ACO-4)			
(11 verneu, 3u	10./	Othe	r (Specify)				I —			

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

# All Electric Logs Run

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

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# Tops

Name	Тор	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



# 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



#### 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: Heavy Wt. Pipe: Length:

Length:

Length: 4206.00 ft Diameter:

0.00 ft Diameter: 372.00 ft Diameter:

3.80 inches Volume: 59.00 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 1.83 bbl 60.83 bbl

Tool Weight: Weight set on Packer: 25000.00 lb

2500.00 lb

Final 75000.00 lb

Weight to Pull Loose: 89000.00 lb Tool Chased

String Weight: Initial 75000.00 lb

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

26.00 ft 4580.00 ft

Depth to Bottom Packer: Interval between Packers: 43.00 ft

Tool Length: Number of Packers:

Drill Collar:

71.00 ft

ft

2 Diameter:

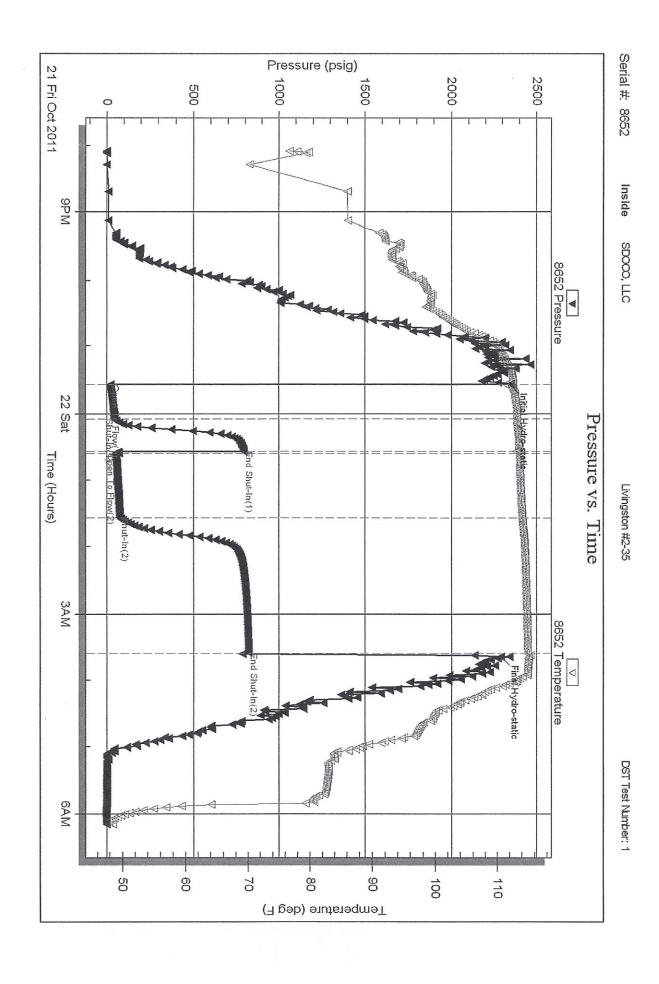
6.75 inches

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



Trilobite Testing, Inc

Ref. No:

44496

Printed: 2011.11.02 @ 14:24:32

#### 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.

Log Total Depth	0000	01.01
20 - Control C	0809	0161-
Rotary Total Depth	0609	0261-
nsiqqississiM	0767	٥٧٢١-
Morrow Shale	178 <del>4</del>	1071-
Cherokee Shale	099 <del>1</del>	1480
anoS noandot	4632	7971-
Beymer Zone	4603	-1433
Marmaton	1197	1341
Base Kansas City	9477	9081-
Lansing	4008	838-
Toronto	3979	608-
Heepner	3965	Z6Z-
Base Anhydrite	2272	868+
Anhydrite	5260	016+
Formation	Log Depth	Sub-Sea Datum

(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).

porosity, no shows.

Limestone; tan, gray, oolitic, few fossiliferous, poor visible 4236-4546,

porosity, no shows.

Limestone; gray, cream, loose fossil fragments, trace white and 4226-4570

gray chert.

Limestone; cream, tan, oolitic, poorly developed porosity, no 4275-4600

swods.

**BEYMER SECTION** 

intercyrstalline to inter-oolitic type porosity, light brown stain, trace Limestone; cream, tan, finely crystalline, oolitic, scattered 4610-4617

of free oil and fair odor in fresh samples

4280-4623

Drill Stem Test #1

30-30-60-120 :səmiT

Weak Blow;

110 '6 Recovery:

105' very slightly oil cut mud

(bum %8e ,lio %2)

isq **ESIP 820** isd 767 Pressures: ISIP

isq HSH 2347-2293 isq FFP 53-76 isq 22-44 **ILP** 

#### **JOHNSON SECTION**

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

Limestone; as above, slightly cherty, dark brown to black (dead) 4638-46469

oil stain, no show of free oil and no odor in fresh samples.

CHEROKEE SECTION

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

Limestone; cream, tan, dense, poor porosity, no shows. 4680-47209

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

black stain, trace black (dead) oil and no odor in fresh samples. Limestone; tan/cream, oolitic, scattered porosity, dark brown to 4821-4860,

### MISSISSIPPIAN SECTION

,0967-0767

Limestone; white, cream, finely crystalline, fossiliferous in part, ,0867-0967

Limestone; cream, tan, few fossiliferous, chalky, no shows.

trace loose unconsolidated quartz grains, no shows.

Limestone; gray, white, sandy, chalky, no shows.

,0009-0867

2000-2050, Limestone; as above.

neveloped.

Limestone; white, cream, slightly oolitic, chalky, poor porosity, no 2050-5060

porosity, chalky, plus abundant varied colored shale. Limestone; white, cream, tan, oolitic, slightly sandy in part, poor ,0609-0909

w year and the state of the sta

Log Total Depth (0161-) 8803 Rotary Total Depth (0261-) 0603

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

Respectfully submitted;

hadral Talboat

Petroleum Geologist Kurt Talbott,

# ALLIE CEMENTING CO., LLC. 043513

REMIT TO P.O. BOX 31

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or

SERVICE POINT:

RUSSELL, KANSAS 67665 RANGE JOB START JOB FINISH LOCATION OLD OR NEW (Circle one) TYPE OF JOB HOLE SIZE **CASING SIZE TUBING SIZE DRILL PIPE** TOOL PRES. MAX COMMON MEAS. LINE **POZMIX** CEMENT LEFT IN CSG. PERFS. CHLORIDE & **PUMP TRUCK** # 425-28 **BULK TRUCK** HANDLING MILEAGE 1/4 REMARKS: DEPTH OF JOB 265 108 PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE POMILES X 2 PLUG & FLOAT EQUIPMEN