

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1075093

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

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: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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 (Amount and Kind of Material Used)		Depth
TUBING RECORD: Size: Set At: Packer At:			Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No		
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 (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	LIT Trust 1-14H
Doc ID	1075093

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9417-9770	4777 bbls water, 36 bbls acid, 168 lbs sd, 4813 TLTR	
5	9019-9333	4683 bbls water, 36 bbls acid, 161M lbs sd, 9785 TLTR	
5	8545-8896	3075 bbls water, 36 bbls acid, 164M lbs sd, 14706 TLTR	
5	8108-8459	4634 bbls water, 36 bbls acid, 166M lbs sd, 19567 TLTR	
5	7671-8023	4679 bbls water, 36 bbls acid, 162M lbs sd, 24394 TLTR	
5	7234-7586	4623 bbls water, 36 bbls acid, 162M lbs sd, 29152 TLTR	
5	6797-7149	4660 bbls water, 36 bbls acid, 161M lbs sd, 33942 TLTR	
5	6361-6712	4600 bbls water, 36 bbls acid, 162M lbs sd, 38654 TLTR	
5	5924-6275	4581 bbls water, 36 bbls acid, 162M lbs sd, 43342 TLTR	
5	5516-5880	4583 bbls water, 36 bbls acid, 161M lbs sd, 48007 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	LIT Trust 1-14H
Doc ID	1075093

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5050-5401	4702 bbls water, 36 bbls acid, 159M lbs sd, 52768 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	LIT Trust 1-14H
Doc ID	1075093

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	75	90	Express-10 sack grout	12	none
Surface	12.25	9.63	36	790	O-Tex Lite Standard/Standard	540	2% Calcium Chloride, 1/4 lb/sk Cellflake, .5% C-41P
Intermediate	8.75	7	26	5310	50/50 Poz Premium	245	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.13	4.5	11.6	9880	50/50 Premium Poz	530	4% Gel, .4% C12, .1% C37, .5% C41P

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 17, 2012

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21796-01-00
LIT Trust 1-14H
SW/4 Sec.14-35S-08W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tiffany Golay

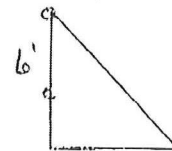
RAT HOLE DRILLING REPORT

Driller Mike Harrison
 Pusher Dennis Calkins
 Helper Harper
 Helper Justin

Rig # _____
 Date Start 1-31-12
 Date Comp 2-4-12

Company Sandridge
 Lease Name Lot Trust # 1-14H
 City Waldron
 County Harper
 State Kansas

Drill Rig hammer # 45



Directions _____

	Depth	X	Diameter
Conductor			
Hole	<u>90'</u>	X	<u>30"</u>
Pipe	<u>90'</u>	X	<u>20"</u>
Rat			
Hole		X	
Casing	<u>N/A</u>	X	
Mouse			
Hole	<u>75'</u>	X	<u>20"</u>
Casing	<u>75'</u>	X	<u>16"</u>
Cellar			
Tin Horn	<u>6</u>	X	<u>6"</u>

Drilling Conditions:

CEMENT

Yards: 12 Type: 10 sack grout Furnished by: _____

Pumped:	<u>Yes</u>	No	Furnished by: <u>Express</u>	# trucks <u>1</u>
Mud Truck:	<u>Yes</u>	No	Furnished by: _____	# trucks <u>1</u>
Water Truck:	<u>Yes</u>	No	Furnished by: _____	# trucks <u>1</u>
Vac Truck:	<u>Yes</u>	No	Furnished by: _____	# trucks <u>1</u>

HOLE COVERS: Main # _____ M/R # _____

☐ OLD ☐ NEW ☐ NONE

<h1 style="margin: 0;">JOB SUMMARY</h1>				PROJECT NUMBER SOK1242		TICKET DATE 02/24/12	
COUNTRY Harper		State Kansas		COMPANY Sandridge Exp and Production			
LEASE NAME LIT Trust		Well No. 1-14H		JOB TYPE Surface		CUSTOMER REP Felix Ortiz	
						EMPLOYEE NAME M.Wilson	

EMP NAME							
Matt Wilson		Thomas Walker					
Jayson Pierce							
David Settlimyer							
David Thomas							

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **800**

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Materials

Mud Type	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Spacer type	BBL.	
Spacer type	BBL.	
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
MISC.	Gal/Lb	In

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Date	Called Out	On Location	Job Started	Job Completed
2/24/2012	2/24/2012	2/24/2012	2/25/2012	2/25/2012
Time	1:00 pm	7:00 pm	10:50 pm	12:30 am

Well Data

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	36.0	9 5/8		Surface	790	
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		12 1/4		Surface	790	Shots/Ft.
Perforations						
Perforations						
Perforations						

Hours On Location

Date	Hours
2/24	5.0
Total	5.0

Operating Hours

Date	Hours
2/24	4.0
Total	4.0

Description of Job

Surface

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures

MAX	1500	AVG.	125
Average Rates in BPM			
MAX	8	AVG	4
Cement Left in Pipe			
Feet	46	Reason	shoe joint

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	280	O-Tex Lite Standard	(6%Gel) 2% Calcium Chloride - 1/4 lb/sk Cellflake - 0.5% C-41P	10.88	1.84	12.70
2	160	Standard	2% Calcium Chloride - 1/4 lb/sk Cellflake	6.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on the side	5.20	1.18	15.60

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	10.00
	MAXIMUM	Load & Bkdn: Gal - BBI	na
	Lost Returns-N	Excess /Return BBI	40
	Actual TOC	Calc. TOC:	surface
Average	Frac. Gradient	Final circulate	240
PSI	5 Min	Cement Slurry: BBI	124.0
	10 Min	Total Volume	192.00
	15 Min		

CUSTOMER REPRESENTATIVE _____

SIGNATURE _____

JOB SUMMARY				PROJECT NUMBER	TICKET DATE
COURTY		State	COMPANY	SOK1260	03/01/12
Harper		Kansas	Sandridge Exp and Prod	CUSTOMER REP Claude Hallmark	
LEASE NAME LIT Trust		Well No. 1-14H	JOB TYPE Intermediate	EMPLOYEE NAME Johnny Breeze	

EMP NAME					
Johnny Breeze					
Daniel Wells					
Flo Helkena					
Scott Woods					

Form. Name		Type:		
Packer Type		Set At	3,864'	
Bottom Hole Temp.	0	Pressure		
Retainer Depth		Total Depth	5,310'	

Tools and Accessories						
Type and Size	Qty	Make				
Auto Fill Tube	0	IR				
Insert Float Val	0	IR				
Centralizers	0	IR				
Top Plug	1	IR				
HEAD	1	IR				
Limit clamp	0	IR				
Weld-A	0	IR				
Texas Pattern Guide Shoe	0	IR				
Cement Basket	0	IR				

Well Data						
Date	Called Out	On Location	Job Started	Job Completed		
	3/1/2012	3/1/2012	3/1/2012	3/1/2012		
Time	01:30	07:30	10:24	12:00		

New/Used						
	Weight	Size	Grade	From	To	Max. Allow
Casing	26.0	7"		Surface	5,310'	5,000
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole		8 3/4"		Surface	5,310'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Hours On Location				Operating Hours				Description of Job	
Date	Hours	Date	Hours						
3/1	5.0	3/1	4.0					Intermediate	
Total	5.0	Total	4.0						

Materials			
Mud Type	WBM	Density	9.1
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	resh Water BBL.	20	8.33
Spacer type	Caustic BBL.	10	8.40
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Pressures			
MAX	5,000 PSI	AVG	500
Average Rates in BPM			
MAX	10 BPM	AVG	5
Cement Left in Pipe			
Feet	89	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	245	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary								
Preflush	10	Type:	CAUSTIC	Preflush:	BBI	10.00	Type:	FRESH WATER
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	N/A	Calc. Disp Bbl	200
		Actual TOC	3,864'	Calc. TOC:		3,864'	Actual Disp.	200.00
Average		Bump Plug PSI:	1,720	Final Circ.	PSI:	880	Disp:Bbl	
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI	62.8		
				Total Volume	BBI	272.83		

CUSTOMER REPRESENTATIVE	<i>Claude Hallmark</i>	SIGNATURE
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JOB SUMMARY				PROJECT NUMBER SOK1284	TICKET DATE 03/10/12																																																																																
COUNTY Harper	State Kansas	COMPANY Landridge Exp and Productio		CUSTOMER REP Felix Ortiz																																																																																	
LEASE NAME LIT Trust	Well No. 1-14H	JOB TYPE Liner		EMPLOYEE NAME Larry Kirchner Jr.																																																																																	
EMP NAME																																																																																					
Larry Kirchner Jr.	Donnie																																																																																				
John Hall																																																																																					
Robert Stonehocker																																																																																					
Emmit Brock																																																																																					
Form. Name _____ Type: _____																																																																																					
Packer Type _____	Set At 0																																																																																				
Bottom Hole Temp. 150	Pressure _____																																																																																				
Retainer Depth _____	Total Depth 9880																																																																																				
Tools and Accessories																																																																																					
Type and Size	Qty	Make																																																																																			
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<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2" style="text-align: center;">New/Used</th> <th style="text-align: center;">Weight</th> <th style="text-align: center;">Size</th> <th style="text-align: center;">Grade</th> <th style="text-align: center;">From</th> <th style="text-align: center;">To</th> <th style="text-align: center;">Max. Allow</th> </tr> </thead> <tbody> <tr> <td>Casing</td> <td>New</td> <td>11.6</td> <td>4 1/2</td> <td></td> <td>4,900'</td> <td>9,880'</td> <td>5,000</td> </tr> <tr> <td>Liner</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Liner</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Drill Pipe</td> <td>Used</td> <td></td> <td>3 1/2</td> <td></td> <td>Surface</td> <td>3,960</td> <td>5,000</td> </tr> <tr> <td>HW Drill Pipe</td> <td>Used</td> <td></td> <td>4</td> <td></td> <td>3,960</td> <td>4,900</td> <td>5,000</td> </tr> <tr> <td>Open Hole</td> <td></td> <td></td> <td>6 1/8</td> <td></td> <td>Surface</td> <td>9,880</td> <td>Shots/Ft.</td> </tr> <tr> <td>Perforations</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Perforations</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Perforations</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						New/Used		Weight	Size	Grade	From	To	Max. Allow	Casing	New	11.6	4 1/2		4,900'	9,880'	5,000	Liner								Liner								Drill Pipe	Used		3 1/2		Surface	3,960	5,000	HW Drill Pipe	Used		4		3,960	4,900	5,000	Open Hole			6 1/8		Surface	9,880	Shots/Ft.	Perforations								Perforations								Perforations							
New/Used		Weight	Size	Grade	From	To	Max. Allow																																																																														
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1	530	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P -	2 Lb/Sk Pheno	6.77	1.44																																																																															
2	0	0		0	0.00	0.00																																																																															
3	0	0		0	0.00	0.00																																																																															
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Preflush Breakdown	Type:	Preflush:	BBI	20.00	Type:	Fresh Water																																																																															
	MAXIMUM	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A																																																																															
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Standard Wellpath Report
Sandridge
Sec 14 - 35S - 8W, Kansas
Harper County
Wellbore: LIT Trust 1-14H (Actual)

Wellbore

Name	Created	Last Revised
LIT Trust 1-14H (Actual)	16-Feb-2012	8-Mar-2012

Well

Name	Government ID	Last Revised
LIT Trust 1-14H		16-Feb-2012

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
LIT Trust 1-14H	121027.0112	2098756.0000	N36 59 54.7986	W98 9 42.7229	204.00N	659.96E

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2098096.0000	120823.0000	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 14 - 35S - 8W	2098096.0000	120823.0000	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

FINAL Surveys MD 9880 is a projection to Bit @ TD



Standard Wellpath Report
Sandridge
Sec 14 - 35S - 8W, Kansas
Harper County
Wellbore: LIT Trust 1-14H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	2098756.00	121027.01
825.00	0.60	252.200	824.98	1.32S	4.11W	0.07	-1.30	2098751.89	121025.69
1267.00	1.10	254.500	1266.93	3.16S	10.40W	0.11	-3.12	2098745.59	121023.85
1742.00	0.70	239.900	1741.88	5.84S	17.31W	0.10	-5.77	2098738.69	121021.18
2217.00	0.30	143.700	2216.86	8.29S	19.08W	0.17	-8.22	2098736.92	121018.72
2692.00	0.40	184.700	2691.85	10.95S	18.48W	0.06	-10.87	2098737.52	121016.06
2977.00	0.50	243.500	2976.85	12.49S	19.68W	0.16	-12.41	2098736.32	121014.52
3072.00	0.40	230.900	3071.84	12.89S	20.31W	0.15	-12.81	2098735.69	121014.12
3167.00	0.20	204.900	3166.84	13.25S	20.63W	0.25	-13.16	2098735.37	121013.76
3262.00	0.40	72.000	3261.84	13.30S	20.39W	0.59	-13.21	2098735.61	121013.71
3357.00	0.10	64.700	3356.84	13.16S	20.00W	0.32	-13.08	2098736.00	121013.85
3452.00	0.30	194.800	3451.84	13.36S	19.98W	0.39	-13.28	2098736.01	121013.65
3547.00	0.10	138.100	3546.84	13.66S	19.99W	0.27	-13.58	2098736.01	121013.35
3642.00	0.50	37.700	3641.84	13.40S	19.68W	0.56	-13.32	2098736.31	121013.61
3833.00	0.90	130.500	3832.83	13.71S	18.03W	0.55	-13.64	2098737.97	121013.30
3864.00	0.60	114.000	3863.83	13.94S	17.70W	1.18	-13.87	2098738.30	121013.07
3895.00	1.70	48.400	3894.82	13.70S	17.21W	5.00	-13.63	2098738.79	121013.31
3927.00	3.50	24.200	3926.79	12.49S	16.45W	6.47	-12.43	2098739.55	121014.52
3958.00	5.30	16.100	3957.69	10.25S	15.67W	6.13	-10.19	2098740.33	121016.76
3990.00	7.00	9.600	3989.51	6.91S	14.93W	5.73	-6.85	2098741.07	121020.10
4022.00	8.80	7.900	4021.20	2.56S	14.27W	5.67	-2.51	2098741.73	121024.45
4054.00	11.00	4.900	4052.73	2.90N	13.67W	7.06	2.96	2098742.33	121029.92
4085.00	13.10	3.900	4083.04	9.36N	13.18W	6.81	9.41	2098742.82	121036.37
4117.00	14.90	4.000	4114.09	17.08N	12.65W	5.63	17.13	2098743.35	121044.09
4149.00	16.40	3.400	4144.90	25.69N	12.09W	4.71	25.74	2098743.91	121052.71
4180.00	17.80	1.700	4174.53	34.80N	11.69W	4.79	34.85	2098744.31	121061.81
4212.00	19.50	358.700	4204.85	45.03N	11.67W	6.10	45.08	2098744.33	121072.04
4244.00	22.00	358.000	4234.77	56.36N	12.00W	7.85	56.41	2098744.00	121083.37
4275.00	24.90	359.400	4263.21	68.69N	12.27W	9.53	68.74	2098743.73	121095.71
4307.00	27.80	1.100	4291.88	82.89N	12.20W	9.36	82.94	2098743.80	121109.91
4339.00	30.70	1.900	4319.80	98.52N	11.78W	9.14	98.57	2098744.22	121125.54
4370.00	32.70	2.400	4346.17	114.80N	11.17W	6.51	114.84	2098744.83	121141.82
4402.00	34.40	2.400	4372.84	132.47N	10.43W	5.31	132.51	2098745.57	121159.49
4434.00	36.20	1.900	4398.96	150.94N	9.74W	5.70	150.98	2098746.26	121177.96
4466.00	37.30	1.600	4424.60	170.08N	9.15W	3.48	170.12	2098746.84	121197.10
4497.00	36.90	1.400	4449.32	188.77N	8.66W	1.35	188.81	2098747.33	121215.80
4529.00	36.40	0.600	4474.99	207.87N	8.33W	2.16	207.90	2098747.67	121234.90
4561.00	37.80	0.300	4500.52	227.17N	8.18W	4.41	227.20	2098747.82	121254.20
4592.00	40.20	0.700	4524.61	246.68N	8.01W	7.78	246.71	2098747.99	121273.71
4624.00	42.90	1.700	4548.55	267.90N	7.56W	8.69	267.93	2098748.44	121294.93
4650.00	45.20	2.300	4567.24	285.96N	6.93W	8.99	285.99	2098749.07	121312.99
4687.00	48.00	2.300	4592.66	312.82N	5.85W	7.57	312.84	2098750.15	121339.85
4718.00	49.90	1.200	4613.02	336.19N	5.14W	6.69	336.21	2098750.86	121363.22
4751.00	50.30	0.800	4634.18	361.50N	4.69W	1.53	361.52	2098751.30	121388.53
4782.00	50.60	0.200	4653.92	385.40N	4.49W	1.78	385.42	2098751.51	121412.44
4814.00	50.50	359.900	4674.26	410.11N	4.46W	0.79	410.13	2098751.53	121437.15
4846.00	49.40	359.500	4694.85	434.61N	4.59W	3.57	434.62	2098751.41	121461.64
4877.00	50.10	359.600	4714.88	458.27N	4.78W	2.27	458.28	2098751.22	121485.30
4909.00	52.10	358.900	4734.97	483.17N	5.11W	6.48	483.18	2098750.89	121510.21
4940.00	54.60	358.800	4753.47	508.03N	5.61W	8.07	508.05	2098750.39	121535.07
4972.00	57.30	358.500	4771.39	534.53N	6.23W	8.47	534.55	2098749.77	121561.58
5004.00	60.20	358.900	4787.99	561.88N	6.85W	9.13	561.90	2098749.15	121588.93
5035.00	63.60	359.700	4802.59	589.22N	7.18W	11.20	589.24	2098748.82	121616.27
5067.00	66.80	359.700	4816.01	618.26N	7.33W	10.00	618.29	2098748.67	121645.31
5099.00	70.50	359.900	4827.66	648.06N	7.44W	11.58	648.09	2098748.56	121675.11
5130.00	74.20	0.600	4837.05	677.60N	7.31W	12.13	677.62	2098748.69	121704.65
5162.00	77.70	0.700	4844.82	708.63N	6.95W	10.94	708.66	2098749.05	121735.69
5194.00	81.50	0.300	4850.60	740.10N	6.68W	11.94	740.12	2098749.32	121767.16
5224.00	85.10	359.700	4854.10	769.89N	6.68W	12.16	769.91	2098749.32	121796.95
5257.00	88.10	359.600	4856.05	802.83N	6.88W	9.10	802.85	2098749.12	121829.89
5358.00	91.80	357.600	4856.14	903.78N	9.35W	4.16	903.81	2098746.65	121930.84
5453.00	92.30	357.600	4852.74	998.63N	13.32W	0.53	998.68	2098742.67	122025.70
5545.00	92.90	359.800	4848.57	1090.51N	15.41W	2.48	1090.56	2098740.59	122117.59
5643.00	93.40	0.800	4843.18	1188.36N	14.90W	1.14	1188.41	2098741.10	122215.44
5738.00	91.30	2.400	4839.29	1283.23N	12.25W	2.78	1283.27	2098743.75	122310.32
5833.00	89.60	2.600	4838.54	1378.13N	8.10W	1.80	1378.16	2098747.90	122405.23
5928.00	89.00	2.400	4839.70	1473.04N	3.96W	0.67	1473.04	2098752.04	122500.14

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (LIT Trust 1-14H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 359.770 degrees
Bottom hole distance is 5422.22 Feet on azimuth 359.65 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 8-Mar-2012



Standard Wellpath Report
Sandridge
Sec 14 - 35S - 8W, Kansas
Harper County
Wellbore: LIT Trust 1-14H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6023.00	87.60	0.400	4842.52	1567.96N	1.64W	2.57	1567.95	2098754.36	122595.07
6118.00	90.60	359.300	4844.01	1662.93N	1.89W	3.36	1662.93	2098754.11	122690.05
6213.00	89.30	359.500	4844.10	1757.93N	2.88W	1.38	1757.92	2098753.12	122785.05
6308.00	90.20	359.500	4844.51	1852.92N	3.71W	0.95	1852.92	2098752.29	122880.05
6403.00	87.80	358.400	4846.17	1947.88N	5.45W	2.78	1947.89	2098750.55	122975.01
6498.00	88.80	357.800	4848.99	2042.79N	8.60W	1.23	2042.81	2098747.40	123069.92
6592.00	90.90	357.800	4849.23	2136.71N	12.21W	2.23	2136.74	2098743.79	123163.86
6685.00	90.50	358.000	4848.10	2229.64N	15.62W	0.48	2229.69	2098740.38	123256.79
6782.00	91.10	358.700	4846.74	2326.59N	18.41W	0.95	2326.65	2098737.59	123353.75
6877.00	90.60	358.100	4845.33	2421.54N	21.06W	0.82	2421.61	2098734.94	123448.70
6972.00	91.10	0.400	4843.92	2516.52N	22.30W	2.48	2516.59	2098733.69	123543.68
7067.00	90.50	359.400	4842.60	2611.51N	22.47W	1.23	2611.58	2098733.53	123638.68
7161.00	90.80	0.600	4841.53	2705.50N	22.47W	1.32	2705.57	2098733.53	123732.68
7257.00	90.90	0.700	4840.11	2801.48N	21.38W	0.15	2801.55	2098734.62	123828.67
7351.00	90.50	0.500	4838.96	2895.47N	20.40W	0.48	2895.53	2098735.60	123922.66
7446.00	89.60	1.100	4838.88	2990.46N	19.07W	1.14	2990.51	2098736.93	124017.66
7542.00	90.20	0.500	4839.04	3086.45N	17.73W	0.88	3086.50	2098738.27	124113.65
7637.00	90.50	1.100	4838.46	3181.44N	16.40W	0.71	3181.48	2098739.59	124208.64
7732.00	89.40	0.500	4838.55	3276.43N	15.08W	1.32	3276.46	2098740.92	124303.64
7827.00	90.50	0.300	4838.63	3371.42N	14.41W	1.18	3371.45	2098741.58	124398.64
7922.00	90.00	359.300	4838.21	3466.42N	14.75W	1.18	3466.45	2098741.25	124493.64
8017.00	91.80	358.500	4836.72	3561.39N	16.57W	2.07	3561.42	2098739.43	124588.62
8112.00	92.60	358.100	4833.08	3656.27N	19.39W	0.94	3656.32	2098736.61	124683.51
8207.00	92.60	360.000	4828.77	3751.16N	20.96W	2.00	3751.21	2098735.04	124778.40
8302.00	92.10	0.800	4824.87	3846.07N	20.30W	0.99	3846.13	2098735.70	124873.32
8397.00	92.90	1.400	4820.73	3940.97N	18.47W	1.05	3941.01	2098737.52	124968.22
8492.00	91.10	1.500	4817.41	4035.87N	16.07W	1.90	4035.91	2098739.93	125063.13
8587.00	90.60	2.100	4816.00	4130.82N	13.09W	0.82	4130.83	2098742.91	125158.08
8682.00	89.60	1.300	4815.84	4225.77N	10.27W	1.35	4225.78	2098745.73	125253.04
8777.00	90.70	1.600	4815.59	4320.74N	7.87W	1.20	4320.74	2098748.13	125348.02
8872.00	87.90	1.900	4816.75	4415.68N	4.97W	2.96	4415.66	2098751.03	125442.96
8967.00	88.20	2.600	4819.98	4510.55N	1.24W	0.80	4510.52	2098754.76	125537.84
9062.00	88.00	1.000	4823.13	4605.45N	1.74E	1.70	4605.40	2098757.74	125632.74
9157.00	88.30	359.700	4826.20	4700.39N	2.32E	1.40	4700.35	2098758.32	125727.69
9252.00	87.90	359.500	4829.35	4795.34N	1.66E	0.47	4795.29	2098757.66	125822.64
9347.00	90.50	359.100	4830.67	4890.31N	0.50E	2.77	4890.27	2098756.50	125917.63
9442.00	91.20	356.900	4829.26	4985.24N	2.81W	2.43	4985.21	2098753.19	126012.56
9537.00	90.20	356.500	4828.10	5080.07N	8.28W	1.13	5080.07	2098747.72	126107.40
9632.00	90.80	356.000	4827.27	5174.87N	14.50W	0.82	5174.88	2098741.50	126202.20
9727.00	90.70	355.400	4826.03	5269.59N	21.62W	0.64	5269.63	2098734.38	126296.92
9822.00	90.80	355.600	4824.79	5364.29N	29.07W	0.24	5364.36	2098726.93	126391.63
9880.00	90.80	355.600	4823.98	5422.11N	33.52W	==>	5422.20	2098722.48	126449.46

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Sec 14 - 35S - 8W, Kansas
Harper County
Wellbore: LIT Trust 1-14H (Actual)

Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
9880.00	4823.98	5422.11N	33.52W	Projection to Bit @ TD

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Section 10
35S 8W

Section 11
35S 8W

765' FWL

BHL:9880'
-98.161914 37.013446

Bottom Perf: 9347'
-98.161804 37.011985

2307' FSL

Section 15
35S 8W

Section 14
35S 8W

Top Perf: 5035'
-98.161884 37.000173

Miss Entry: 5004'
-98.161883 37.000098

LIT TRUST 1-14H



Section 16
29N 9W

Section 15
29N 9W



Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of LIT Trust 1-14H
Harperr County, Kansas

T&R: 35S 8W

Section: 11, 765' FWL & 2307' FSL

Long/Lat: -98.161914 37.013446

1 in = 833 ft

0 500 1,000 2,000 Feet



Draftsman:

Aaron Birk

Draft Date: 5/14/2012

Drawing Name/Number:

Addendum_LIT_Trust_1-14H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

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LIT Trust 1-14H (1075093)

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Remarks

Remarks to KCC	
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Remarks

Tiffany Golay 05/14/012 10:26 am	Conductor: weight= 94 lbs/ft and 12 yards of grout were used
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