Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1092292

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Joe Hileman
Purchaser: DCP Midstream, LP (gas) NCRA (oil)

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 #:

8/9/2012	8/18/2012	8/31/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21662-01-00
Spot Description:
SW SE SW SE Sec. 13 Twp. 33 S. R. 18 ☐ East ☑ West
200 Feet from ☐ North / ☑ South Line of Section
1780 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: Comanche
Lease Name: James 3318 Well #: 1-13H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1899 Kelly Bushing: 1919
Total Vertical Depth: 9550 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 833 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: 16500 ppm Fluid volume: 660 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: KBW Oil & Gas Company
Lease Name: Harmon 1 License #: 5993
Quarter NW Sec. 11 Twp. 33 S. R. 20 ☐ East ☑ West
County: Comanche Permit #: 15033203270001

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: 12/06/2012
☑ **Confidential Release Date:** 12/06/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** Deanna Garrison **Date:** 12/12/2012

1092292

Operator Name: SandRidge Exploration and Production LLC Lease Name: James 3318 Well #: 1-13H

Sec. 13 Twp. 33 S. R. 18 ☐ East ☑ West County: Comanche

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:

Attached

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

Name	Top	Datum
Base Heebner Shale Marker	4231	
Lansing Ls/Shale Group	4407	
Oswego Ls Group	4981	
Cherokee Shale Marker	5048	
Miss Unconformity	5118	
Mississippi 'Solid'	5138	

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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

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
Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 10/1/2012

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:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	James 3318 1-13H
Doc ID	1092292

All Electric Logs Run

ML 5 in MD Final
Final Boresight Depiction
CML Impulse Shuttle Compact Photo Density Compensated Neutron
CML Impulse Shuttle Array Induction

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	James 3318 1-13H
Doc ID	1092292

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9114-9430	4194 bbls of water, 36 bbls acid, 75M lbs sand, 4194 TLTR	
5	8670-9022	4249 bbls of water, 36 bbls acid, 75M lbs sand, 8653 TLTR	
5	8320-8612	4204 bbls of water, 36 bbls acid, 75M lbs sand, 13007 TLTR	
5	7920-8200	4213 bbls of water, 36 bbls acid, 75M lbs sand, 17352 TLTR	
5	7520-7860	4189 bbls of water, 36 bbls acid, 75M lbs sand, 21661 TLTR	
5	7004-7408	4177 bbls of water, 36 bbls acid, 75M lbs sand, 25942 TLTR	
5	6610-6940	4125 bbls of water, 36 bbls acid, 75M lbs sand, 30157 TLTR	
5	6120-6502	4153 bbls of water, 36 bbls acid, 75M lbs sand, 34391 TLTR	
5	5780-6117	4147 bbls of water, 36 bbls acid, 75M lbs sand, 38604 TLTR	
5	5360-5722	4126 bbls of water, 36 bbls acid, 75M lbs sand, 42821 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	James 3318 1-13H
Doc ID	1092292

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	32	20	75	130	4500 PSi concrete	12	none
Surface	12.25	9.63	36	833	O-Tex Lite Premium Plus/ Premium Plus (class C)	820	6% gel, 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5614	50/50 Poz Premium/ Premium	225	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.12	4.5	11.6	9550	50/50 Premium Poz	470	4% Gel, .4% C12, .1% C37, .5% C-41P, 2 lb/sk Phenoseal

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

Kansas
Corporation Commission

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

August 30, 2012

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

Re: ACO1
API 15-033-21662-01-00
James 3318 1-13H
SE/4 Sec.13-33S-18W
Comanche 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

PRO OILFIELD SERVICES, LLC

Conductor, Rat and Mouse Hole Drilling Services

Ticket

Company: Sandridge

Date: 8/10/2012

Drill Rig:	Location:	Lease Name:
Lariate 38	Commanche County	James 3318 #1-13H DC11877

120' of 30" Drilled Conductor Hole
120' of 20" Conductor Pipe(.250 wall) 82ppf
6'x6' Cellar Tinhorn W/Protective Ring
Drill & Install cellar
75' of 20" Drilled Moushole
75' of 16" Moushole Pipe
Mobilization of Equipment & Road Permitting Fee
Welding Services for Pipe & Lids
Provided Equipment & Labor for Dirt Removal
Provided Personal to Facilitate Diggtess(One Call)
Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe)
12 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe

AFE Number: DC11827
Well Name: James 3318 1-13H
Code: 850.010
Amount: 28,680.00
Co. Man: Emil Fortin
Co. Man Sig.:
Notes:

Comments:)
Thank You For Your Business
If a caving formation and (or) water is found addition fee(s) will be add to cover the cost of tank trucks, vacuum trucks, and cement pump trucks. Prices figured on non-rocky soil conditions, if rock is present then there will be a surcharge.

Total $28,680.00

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 1765	08/15/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
James	1318 1-13I	Surface	Robert Burris

EMP NAME							
Robert Burris		Jessie McClain					
Robert Burris							
Billy Taff							
Rocky Anthis							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 850

	Called Out	On Location	Job Started	Job Completed
Date	8/16/2012	8/16/2012	8/16/2012	8/16/2012
Time	16:30	19:00		

Tools and Accessories

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

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		36#	9 5/8"	Surface	837	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	833	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9		Lb/Gal
Disp. Fluid	Fresh Water	Density 8.33		Lb/Gal
Spacer type	resh Wate	BBL. 10		8.33
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				
Other				

Hours On Location

Date	Hours
8/16	22.0
Total	22.0

Operating Hours

Date	Hours
8/16	5.0
Total	5.0

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 500

Average Rates in BPM

MAX 6 BPM AVG 4.5

Cement Left in Pipe

Feet 91 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	370	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	160	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	300	*Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl		Calc.Disp Bbl 58
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 54.00
Average		Bump Plug PSI:	1,050	Final Circ.	PSI:	450	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	159.0	
				Total Volume	BBl	223.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

COUNTY	State	COMPANY	PROJECT NUMBER	TICKET DATE
COMANCHE	KANSAS	Sandridge Exploration & Production	SOK1803	08/23/12
			CUSTOMER REP	
			ROGER	
LEASE NAME	Well No.	Job Type	EMPLOYEE NAME	
JAMES 3318	1-13H	Intermediate	MATT WILSON	

EMP NAME							
Matt Wilson		David Thomas					
Jared Green		Marie					
Arthur Setzar							
Emmit Brock							

Form. Name _____ Type: _____

Packer Type _____ Set At 4,237

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5620

	Called Out	On Location	Job Started	Job Completed
Date	8/23/2012	8/23/2012	8/24/2012	8/24/2012
Time	12:00PM	9:00 pm	4:05 am	6:00 am

Tools and Accessories

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

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface	5,620	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,620	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	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 _____

Hours On Location

Date	Hours
8/23	3.0
8/24	6.0
Total	9.0

Operating Hours

Date	Hours
8/24	4.0
Total	4.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 300

Average Rates in BPM

MAX 8 BPM AVG 4

Cement Left in Pipe

Feet 56 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	125	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	100	Premium	0.4% C-12 - 0.1% C-37	5.20	1.18	15.60
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	20.00	Type: WEIGHTED SP.
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 213
		Actual TOC		Calc. TOC:		4,284	Actual Disp. 213.00
Average		Bump Plug PSI:		Final Circ.	PSI:	875	Disp:Bbl
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry:	BBl	53.0	
				Total Volume	BBl	286.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 1823	08/30/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
James	1318 1-13	Liner	Matt Wilson

EMP NAME

Matt Wilson		Wesley					
Jared"Mean" Green							
David Thomas							
Marie Copehaven							

Form. Name _____ Type: _____

Packer Type _____ Set At 5,614

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 9550

	Called Out	On Location	Job Started	Job Completed
Date	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Time	6:00 am	12:00 am	2:10 pm	4:00 pm

Tools and Accessories

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

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		11.6	4 1/2	5161	9,550	
Liner Tool						
HWDP						
Drill Pipe			4	surf	5,161	
Drill Collars						
Open Hole			6 1/8"		9,550	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9.1	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	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 _____

Hours On Location

Date	Hours
4/30	4.0
Total	4.0

Operating Hours

Date	Hours
4/30	4.0
Total	4.0

Description of Job

Liner

Pressures

MAX 5000 AVG 500

Average Rates in BPM

MAX 6 BPM AVG 6

Cement Left in Pipe

Feet 86 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	470	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush _____ Type: _____

Breakdown _____ MAXIMUM 3,500 PSI

_____ Lost Returns-N NO/FULL

_____ Actual TOC 4,697'

Average _____ Bump Plug PSI: _____

ISIP _____ 5 Min. _____ 10 Min _____ 15 Min _____

Preflush:	BBl	30.00
Load & Bkdn:	Gal - BBl	N/A
Excess /Return	BBl	N/A
Calc. TOC:		4,697'
Final Circ.	PSI:	800
Cement Slurry:	BBl	120.5
Total Volume	BBl	250.64

Type: 8.59#SPACER

Pad:Bbl -Gal N/A

Calc.Disp Bbl 100

Actual Disp. 100.00

Disp:Bbl _____

CUSTOMER REPRESENTATIVE _____ SIGNATURE

SANDRIDGE
THE POWER OF US

123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

Survey
JAMES 3318 1-13H

Step #1 - Create a Deviation Survey
Step #2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Wellbores - Step #2

Actual Deviation Survey	Wellbore Name
Survey, Proposed? No	Original Hole

Deviation Surveys - Step #1

Description	Date	VS Dir (°)	Comment
Survey	8/16/2012	359.24	

Tie-in Data

Azimuth North Type	Convergence (°)	Declination (°)	MD Tie In (ftKB)	Azimuth Tie In (°)	Inclination Tie In (°)	TVDTie In (ftKB)	NSTie In (ft)	EWTie In (ft)
Grid	0.44	5.33	0.00	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
				MWD	0	0	0.00	0.00	0.00
248	1.6			Magn SS					
490	2.1			Magn SS					
764	0.9			Magn SS					
858	1.0	325.10		MWD	858	6	6.14	-4.28	0.12
1,041	0.9	352.30		MWD	1,041	9	8.87	-5.39	0.25
1,231	1.0	346.10		MWD	1,231	12	11.96	-5.99	0.08
1,571	0.6	226.40		MWD	1,571	14	13.62	-7.99	0.41
1,803	0.3	189.60		MWD	1,803	12	12.18	-8.97	0.17
2,278	0.3	198.20		MWD	2,278	10	9.77	-9.57	0.01
2,753	0.2	266.70		MWD	2,753	9	8.54	-10.78	0.06
3,229	1.0	281.80		MWD	3,229	10	9.34	-15.68	0.17
3,706	0.7	298.80		MWD	3,706	12	11.60	-22.31	0.08
3,801	0.8	311.90		MWD	3,801	13	12.32	-23.31	0.21
3,896	0.8	289.10		MWD	3,896	13	12.98	-24.43	0.33
3,991	0.5	318.00		MWD	3,991	14	13.51	-25.33	0.46
4,087	0.8	295.50		MWD	4,087	14	14.11	-26.22	0.40
4,184	0.8	232.20		MWD	4,184	14	13.98	-27.36	0.87
4,215	0.9	312.90		MWD	4,215	14	14.02	-27.71	3.56
4,247	1.7	342.60		MWD	4,247	15	14.64	-28.04	3.19
4,279	3.7	358.00		MWD	4,279	16	16.12	-28.22	6.59
4,311	6.2	5.10		MWD	4,311	19	18.88	-28.10	8.03
4,342	8.5	7.20		MWD	4,341	23	22.82	-27.66	7.47
4,374	10.8	5.60		MWD	4,373	29	28.15	-27.08	7.24
4,406	13.4	3.90		MWD	4,404	35	34.83	-26.53	8.20
4,438	15.0	2.20		MWD	4,435	43	42.67	-26.12	5.17
4,470	16.5	2.50		MWD	4,466	52	51.35	-25.76	4.69
4,501	18.5	2.40		MWD	4,496	61	60.66	-25.36	6.45
4,533	21.0	2.50		MWD	4,526	72	71.47	-24.90	7.81
4,565	22.9	2.40		MWD	4,555	84	83.42	-24.39	5.94
4,597	24.8	2.70		MWD	4,585	97	96.34	-23.81	5.95
4,628	26.9	2.30		MWD	4,612	110	109.84	-23.23	6.80
4,660	28.2	3.00		MWD	4,641	125	124.63	-22.54	4.19
4,692	29.9	3.30		MWD	4,669	140	140.14	-21.68	5.33
4,724	31.5	3.60		MWD	4,696	157	156.45	-20.70	5.02
4,755	32.8	3.50		MWD	4,723	173	172.91	-19.68	4.20
4,787	34.7	4.20		MWD	4,749	191	190.65	-18.48	6.06
4,819	37.0	4.40		MWD	4,775	210	209.34	-17.08	7.20
4,851	38.5	4.60		MWD	4,800	229	228.87	-15.54	4.70
4,882	40.0	4.10		MWD	4,824	249	248.43	-14.05	4.95
4,914	42.1	4.30		MWD	4,849	270	269.38	-12.51	6.58
4,946	45.8	4.70		MWD	4,872	292	291.52	-10.77	11.59
4,978	48.2	4.80		MWD	4,893	315	314.84	-8.83	7.50
5,009	49.0	5.00		MWD	4,914	338	338.01	-6.84	2.63
5,041	49.2	4.20		MWD	4,935	362	362.12	-4.90	1.99

SANDRIDGE
THE POWER OF US
123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

Survey
JAMES 3318 1-13H

Step #1 - Create a Deviation Survey
Step #2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
5,073	48.5	4.40		MWD	4,956	386	386.14	-3.10	2.24
5,105	48.0	3.80		MWD	4,977	410	409.96	-1.39	2.10
5,136	49.2	2.80		MWD	4,998	433	433.17	-0.05	4.56
5,168	48.9	1.80		MWD	5,019	457	457.32	0.92	2.54
5,200	50.8	2.40		MWD	5,039	482	481.76	1.81	6.11
5,232	54.3	2.30		MWD	5,059	507	507.14	2.86	10.94
5,263	56.8	1.40		MWD	5,076	533	532.69	3.68	8.41
5,295	59.7	1.20		MWD	5,093	560	559.89	4.29	9.08
5,327	61.8	0.90		MWD	5,109	588	587.80	4.81	6.61
5,358	65.0	0.50		MWD	5,123	615	615.52	5.14	10.39
5,390	67.6	0.60		MWD	5,136	645	644.81	5.42	8.13
5,422	72.2	0.20		MWD	5,147	675	674.86	5.63	14.42
5,454	77.0	0.40		MWD	5,155	706	705.70	5.79	15.01
5,485	80.0	0.70		MWD	5,161	736	736.07	6.09	9.72
5,517	82.6	0.70		MWD	5,166	768	767.70	6.47	8.12
5,567	85.5	1.50		MWD	5,171	817	817.41	7.43	6.01
5,664	88.8	1.10		MWD	5,176	914	914.25	9.63	3.43
5,757	90.3	1.10		MWD	5,177	1,007	1,007.23	11.41	1.61
5,849	92.3	359.50		MWD	5,175	1,099	1,099.20	11.89	2.78
5,941	91.6	359.40		MWD	5,172	1,191	1,191.14	11.01	0.77
6,032	90.4	359.10		MWD	5,170	1,282	1,282.12	9.82	1.36
6,125	89.3	359.00		MWD	5,170	1,375	1,375.10	8.28	1.19
6,216	90.0	359.70		MWD	5,171	1,466	1,466.09	7.25	1.09
6,308	92.9	359.30		MWD	5,168	1,558	1,558.05	6.44	3.18
6,400	92.4	359.10		MWD	5,164	1,650	1,649.94	5.16	0.59
6,492	92.3	359.40		MWD	5,160	1,742	1,741.86	3.96	0.34
6,584	91.3	359.20		MWD	5,158	1,834	1,833.80	2.83	1.11
6,675	90.9	359.30		MWD	5,156	1,925	1,924.78	1.64	0.45
6,771	91.4	359.00		MWD	5,154	2,021	2,020.75	0.22	0.61
6,867	91.0	358.80		MWD	5,152	2,117	2,116.71	-1.62	0.47
6,963	90.3	358.20		MWD	5,151	2,213	2,212.67	-4.14	0.96
7,058	90.0	358.20		MWD	5,151	2,308	2,307.62	-7.12	0.32
7,154	89.1	357.90		MWD	5,151	2,403	2,403.56	-10.39	0.99
7,250	89.4	357.90		MWD	5,153	2,499	2,499.49	-13.91	0.31
7,345	90.0	359.30		MWD	5,153	2,594	2,594.46	-16.23	1.60
7,441	89.4	359.80		MWD	5,154	2,690	2,690.45	-16.98	0.81
7,537	88.8	359.00		MWD	5,155	2,786	2,786.44	-17.99	1.04
7,632	89.1	359.00		MWD	5,157	2,881	2,881.40	-19.64	0.32
7,728	90.0	359.00		MWD	5,158	2,977	2,977.39	-21.32	0.94
7,824	91.1	0.10		MWD	5,157	3,073	3,073.38	-22.07	1.62
7,920	90.9	0.20		MWD	5,155	3,169	3,169.36	-21.82	0.23
8,016	90.1	359.90		MWD	5,154	3,265	3,265.36	-21.74	0.89
8,111	89.7	359.70		MWD	5,154	3,360	3,360.36	-22.07	0.47
8,207	90.7	359.40		MWD	5,154	3,456	3,456.35	-22.82	1.09
8,303	90.6	358.80		MWD	5,153	3,552	3,552.33	-24.33	0.63
8,398	91.3	359.60		MWD	5,151	3,647	3,647.31	-25.66	1.12
8,494	90.5	359.00		MWD	5,150	3,743	3,743.29	-26.83	1.04
8,589	90.6	359.40		MWD	5,149	3,838	3,838.27	-28.16	0.43
8,685	90.8	359.80		MWD	5,148	3,934	3,934.26	-28.83	0.47
8,780	89.3	359.40		MWD	5,148	4,029	4,029.26	-29.49	1.63
8,876	88.9	359.60		MWD	5,149	4,125	4,125.24	-30.33	0.47
8,971	88.7	359.90		MWD	5,151	4,220	4,220.22	-30.74	0.38

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Survey
JAMES 3318 1-13H

Step #1 - Create a Deviation Survey
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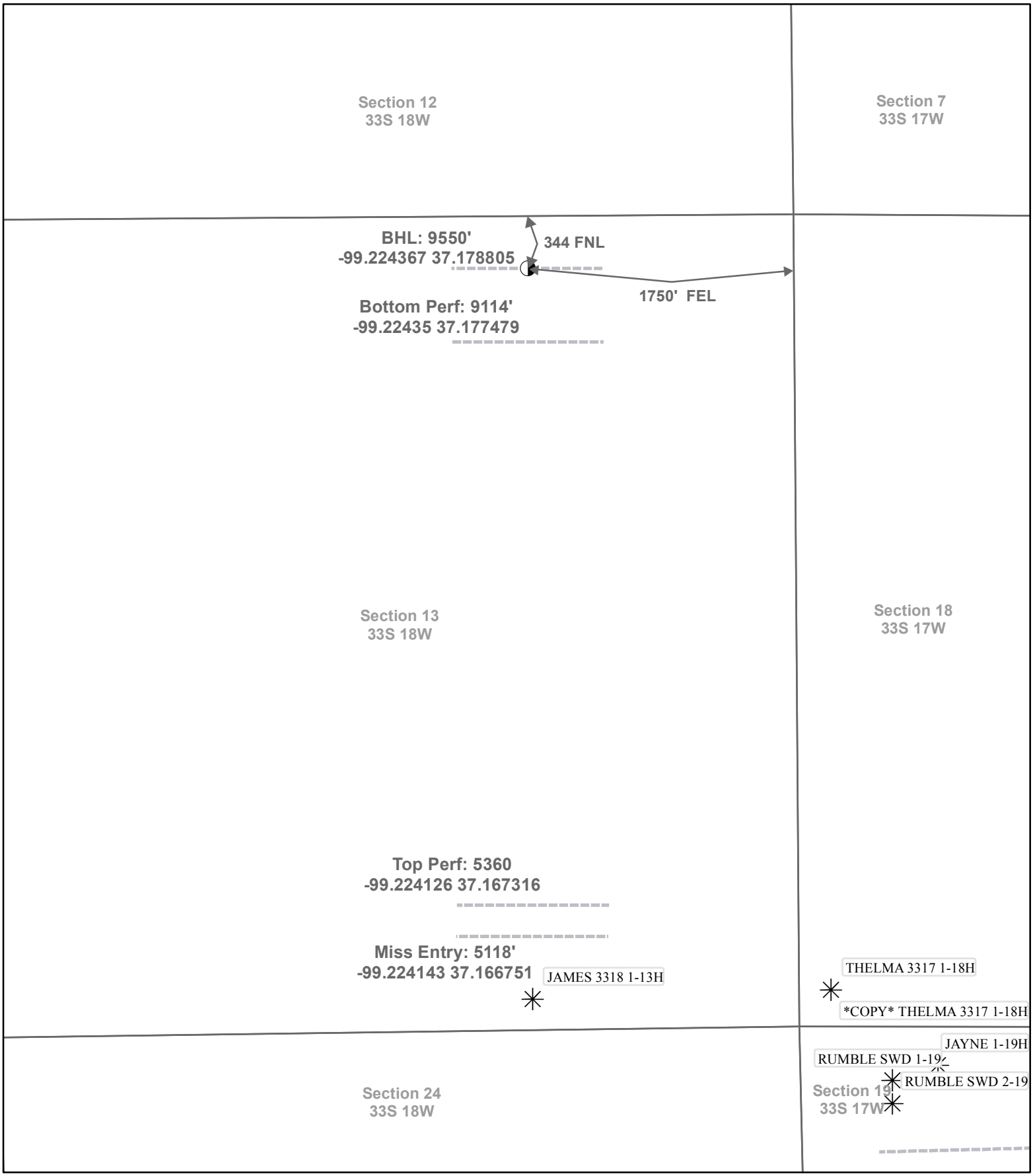
Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
9,067	90.2	359.50		MWD	5,152	4,316	4,316.21	-31.24	1.62
9,163	89.5	359.50		MWD	5,152	4,412	4,412.21	-32.08	0.73
9,259	89.5	359.60		MWD	5,153	4,508	4,508.20	-32.84	0.10
9,354	89.7	0.10		MWD	5,154	4,603	4,603.20	-33.08	0.57
9,450	89.7	0.40		MWD	5,154	4,699	4,699.20	-32.67	0.31
9,500	88.7	0.10		MWD	5,155	4,749	4,749.19	-32.45	2.09
9,550	88.7	0.10		MWD	5,156	4,799	4,799.18	-32.36	0.00



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of James 3318 1-13H
Comanche County, Kansas
T&R: 33S 18W
Section: 13, 1750 FEL & 344' FNL
Long/Lat: -99.224367 37.178805

1 in = 833 ft

0 625 1,250 2,500 Feet

N

Draftsman: Aaron Birk	Draft Date: 11/13/2012
Drawing Name/Number: Addendum_James_1-13H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Logo

Back to Well Completion

James 3318 1-13H (1092292)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

Add Attachment

Remarks

Remarks to KCC

Add Remar

Remarks

Tiffany Golay 11/27/012 09:15 am	Additional Fluid Mgmt Info: 1120 bbls hauled to LoJo Disposal, Pit #1, SW/4 10-26N-15W, Woods, OK; 840 bbls hauled to West OK Disposal, 21-23N-21W, Woodward, OK