



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1090851
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: _____



1090851

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
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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
<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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ellis 3119 2-19H
Doc ID	1090851

All Electric Logs Run

Final Boresight
Array Induction Gamma Ray Memory Log
Dual Spaced Neutron Spectral Density Gamma Ray Memory Log
ML HZ- Continuous well logging/ complete hydrocarbon analysis

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ellis 3119 2-19H
Doc ID	1090851

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9149-9454	4209 bbls of water, 36 bbls acid, 75M lbs sand, 4245 TLTR	
5	8719-9016	4269 bbls of water, 36 bbls acid, 75M lbs sand, 8723 TLTR	
5	8329-8592	4190 bbls of water, 36 bbls acid, 75M lbs sand, 73099 TLTR	
5	7838-8196	4172 bbls of water, 36 bbls acid, 75M lbs sand, 17450 TLTR	
5	7470-7726	4152 bbls of water, 36 bbls acid, 75M lbs sand, 21753 TLTR	
5	6858-7340	4269 bbls of water, 36 bbls acid, 75M lbs sand, 26156 TLTR	
5	6262-6747	4214 bbls of water, 36 bbls acid, 76M lbs sand, 30462 TLTR	
5	5712-6127	4250 bbls of water, 36 bbls acid, 75M lbs sand, 34782 TLTR	
5	5352-5574	4242 bbls of water, 36 bbls acid 74M lbs sand, 39077 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ellis 3119 2-19H
Doc ID	1090851

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	24	20	75	128	4500 PSI concrete	11	none
Surface	17.5	13.37	68	287	O-Tex Lite Premium Plus/ Premium Plus (Class C)	420	6% gel, 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C41P
Intermediate 1	12.25	9.63	36	1053	O-TEEx Lite Premium Plus/ Premium Plus (Class C)	535	6% Gel, 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C41P
Intermediate 2	8.75	7	26	5645	50/50 Poz Premium/ Premium	220	4% Gel, .4% C12, .1% C37, .5% C41P, 2 lb/sk Phenoseal
Liner	6.12	4.5	11.6	9605	50/50 Premium Poz	475	4% Gel, .4% C12, .1% C37, .5% C41P, 2 lb/sk Pheonseal

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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 29, 2012

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

Re: ACO1
API 15-033-21660-01-00
Ellis 3119 2-19H
NE/4 Sec.19-31S-19W
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



Conductor, Rat and Mouse Hole Drilling Services

Ticket

Company:

Date: 7/27/2012

Sandridge

Drill Rig: Lariate 45	Location: Commanche County	Lease Name: Ellis 3119 #2-19H	DC 12158
120' of 30" Drilled Conductor Hble 120' of 20" Conductor Pipe(.250 wall) 82ppf 6'x6' Cellar Tinhorn W/Protective Ring Drill & Install cellar 80' of 20" Drilled Moushole 80' 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) 11 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe		AFE Number: <u>DC 12158</u> Well Name: <u>Ellis 3119 2-19H</u> Code: <u>850.010</u> Amount: <u>28,680.00</u> Co. Man: <u>[Signature]</u> Co. Man Sig.: <u>[Signature]</u> 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 SOK1715		TICKET DATE 08/02/12	
COUNTY Comanche		STATE Kansas	
COMPANY Bridge Exploration & Produc		CUSTOMER REP Claude Hallmark	
LEAD NAME Ellis		WELL NO. 1119 2-19	
JOB TYPE Surface		EMPLOYEE NAME 	

0.00	0		
0.00			
0.00			
0.00			

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 300

Date	Called Out	On Location	Job Started	Job Completed
	8/2/2012	#	8/3/2012	8/3/2012
Time	4:00 pm	9:00 pm	2:28 am	5:00 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		66#	13 3/8"		Surface	323	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			17 1/2"		Surface	323	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

	WBM	Density	9	Lb/Gal
Mud Type	Fresh Water	Density	8.33	Lb/Gal
Disp. Fluid	resh Water	BBL.	10	8.33
Spacer type	BBL.			
Spacer type	Gal.			%
Acid Type	Gal.			%
Acid Type	Gal.			In
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 _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/2	3.0	8/3	4.0	Surface
8/3	5.0			
Total	8.0	Total	4.0	

Pressures

MAX	1,500 PSI	AVG	150
Average Rates in BPM			
MAX	6 BPM	AVG	4
Cement Left in Pipe			
Feet	44	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	EX Lite Premium Plus 66 (6% Gel)	2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	120	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	2% Calcium Chloride on side to use if necessary	6.32	1.32	14.80

Summary

Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00	Type: _____	Fresh Water
	Lost Returns-N _____	Actual TOC _____	NO/FULL	Load & Bkdn: Gal - BBI _____	N/A	Pad:Bbl -Gal _____	N/A
	Bump Plug PSI: _____	10 Min _____	15 Min _____	Excess /Return BBI _____	30	Calc. Disp Bbl _____	37
Average	Final Circ. PSI: _____	Cement Slurry: BBI _____	98.0	Calc. TOC: _____	SURFACE	Actual Disp. _____	37.00
ISIP _____ 5 Min.	Total Volume BBI _____		145.00	Disp:Bbl _____			

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 1721	TICKET DATE 08/03/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Claude Hallmark	
LEASE NAME Ellis	Well No. 1119 2-19	JOB TYPE Surface	EMPLOYEE NAME Robert Burris	

EMP NAME Robert Burris	Frank Reeves				
Bryan Douglas					
Emmit Brock					
Jessie McClain					

Form. Name _____ Type: _____
Packer Type _____ Set At **0**
Bottom Hole Temp. **80** Pressure _____
Retainer Depth _____ Total Depth **1050**

Date	Called Out 8/4/2012	On Location 8/4/2012	Job Started 8/4/2012	Job Completed 8/4/2012
Time	14:30	17:20	18:02	19:02

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	1,057	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	1,050	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

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

Hours On Location

Date	Hours
8/4	2.5
Total	2.5

Operating Hours

Date	Hours
8/4	1.0
Total	1.0

Description of Job

Surface

Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____

Pressures

MAX	1,500 PSI	AVG.	475
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	91	SHOE JOINT	

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	285	EX Lite Premium Plus 65 (6% Gel)	2% Calcium Chloride - 1/4pps Cello-Flake - .6% C-41P	10.88	1.84	12.70
2	150	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	2% Calcium Chloride on side to use if necessary	6.32	1.32	14.80

Summary

Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00	Type: Fresh Water
	Lost Returns-N _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A	Pad: Bbl - Gal _____
	Actual TOC _____	SURFACE _____		Excess /Return BBI _____	35	Calc. Disp Bbl _____
Average	Bump Plug PSI: _____	1,025		Calc. TOC: _____	SURFACE	Actual Disp. _____
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Final Circ. PSI: _____	500	Disp: Bbl _____
				Cement Slurry: BBI _____		
				Total Volume BBI _____	85.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK1748	TICKET DATE 08/10/12
COUNTY COMANCHE	State KANSAS	COMPANY Sandridge Exploration & Production	CUSTOMER REP Jessie Knew	
LEASE NAME ELLIS	Well No. 1119 2-19	JOB TYPE Intermediate	EMPLOYEE NAME Larry Kirchner Jr.	

EMP NAME Larry Kirchner Jr.	0				
John Hall					
Robert Stonehocker					
Wallace Berry					

Form. Name _____ Type: _____

Packer Type _____ Set At **4,305**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5645**

Date	Called Out 8/10/2012	On Location 8/10/2012	Job Started 8/10/2012	Job Completed 8/10/2012
Time	12:00PM	5:00PM	10:25PM	11:45PM

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							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	26#	7"		Surface	5,645'	6,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,645	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 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	


Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/10	6.8	8/10	2.0	Intermediate
Total	6.8	Total	2.0	

Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Pressures	
MAX 5,000 PSI	AVG. 400
Average Rates in BPM	
MAX 8 BPM	AVG 5
Cement Left in Pipe	
Feet 91	Reason SHOE JOINT

Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
1	120	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: BBI	20.00	Type: WEIGHTED SP.		
Breakdown		MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A	
		Lost Returns-N	Excess /Return BBI	N/A	Calc.Disp Bbl	212	
		Actual TOC	Calc. TOC:	4,289'	Actual Disp.	210.00	
Average		Bump Plug PSI:	Final Circ. PSI:	1,300	Disp:Bbl		
ISIP	5 Min.	10 Min.	Cement Slurry: BBI	52.0			
		15 Min.	Total Volume BBI	282.00			

CUSTOMER REPRESENTATIVE  SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 1764	TICKET DATE 08/15/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Claude Hallmark	
LEASE NAME Ellis	Well No. 1119 2-19	JOB TYPE Liner	EMPLOYEE NAME Robert Burris	

EMP NAME	Robert Burris	Jessie McClain			
	Derek Lewis				
	Emmit Brock				
	Rocky Anthis				

Form. Name _____ Type: _____
 Packer Type _____ Set At **5,646**
 Bottom Hole Temp. **150** Pressure _____
 Retainer Depth _____ Total Depth **9605**

Date	Called Out 8/8/2015	On Location 8/16/2012	Job Started 8/15/2012	Job Completed 8/15/2012
Time	10:30	13:40	24:20	02:30

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		5,233'	9,543'	3,500
Liner Tool					5,215'	5,233'	3,500
HWDP					3,836.33'	5,215'	3,500
Drill Pipe			3 1/2"		Surface	3,836.33'	3,500
Drill Collars							3,500
Open Hole			6 1/8"		Surface	9,605	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	Gel	BBL.	30	8.59
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				

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/15	13.0	8/15	1.0	Liner
Total	13.0	Total	1.0	

Pressures	
MAX	5000 PSI
AVG.	1000
Average Rates in BPM	
MAX	6 BPM
AVG	4
Cement Left in Pipe	
Feet	92
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	475	50/60 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
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	3,500 PSI	Preflush: BBI	30.00
	Lost Returns-N	NO/FULL		Load & Bkdn: Gal - BBI	N/A
	Actual TOC	5,248		Excess /Return BBI	N/A
Average	Bump Plug PSI:	1,800		Calc. TOC:	5,248
ISIP _____ 5 Min.	10 Min _____	15 Min _____		Final Circ. PSI:	825
				Cement Slurry: BBI	121.8
				Total Volume BBI	265.80

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name		Target Direction		Slot	N / S	E / W	Hole Size	Calculation by		Date
Ellis 3119 2-19H		181.63		Coordinate						11/14/12
Job Number		Type of Survey		Tie-in Point			Directional Co.			
0										
Measured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate		Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
						N + / S -	E + / W -			
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
250	1	345	250	249.99	-1.67	1.68	-0.46	0.32	0.32	137.88
500	1	345	250	499.97	-4.80	4.84	-1.32	0.04	-0.04	0.00
744	1	345	244	743.96	-7.24	7.30	-2.00	0.08	-0.08	0.00
1053	1	345	309	1,052.94	-10.08	10.17	-2.78	0.03	0.03	0.00
1343	1	345	290	1,342.93	-12.99	13.09	-3.58	0.00	0.00	0.00
1816	0	345	473	1,815.91	-16.15	16.28	-4.45	0.08	-0.08	0.00
2291	0	322	475	2,290.91	-17.90	18.06	-5.44	0.03	0.02	-4.76
2766	0	15	475	2,765.90	-20.07	20.24	-5.88	0.06	0.00	-64.72
3241	0	128	475	3,240.90	-21.28	21.45	-5.57	0.06	-0.06	23.92
4192	1	293	951	4,191.88	-23.39	23.71	-10.92	0.07	0.07	17.31
4246	1	301	54	4,245.87	-23.65	23.98	-11.47	0.26	-0.19	15.56
4287	0	286	41	4,286.87	-23.79	24.14	-11.79	0.58	-0.49	-36.59
4318	2	202	31	4,317.87	-23.44	23.79	-12.04	4.88	3.55	-270.97
4350	3	195	32	4,349.84	-22.23	22.59	-12.42	4.77	4.69	-23.75
4382	5	191	32	4,381.77	-20.18	20.55	-12.87	4.75	4.69	-11.87
4413	6	187	31	4,412.64	-17.31	17.69	-13.29	5.63	5.48	-13.87
4445	9	187	32	4,444.37	-13.23	13.63	-13.79	7.19	7.19	2.50
4477	11	186	32	4,475.90	-7.81	8.22	-14.41	8.17	8.13	-5.00
4508	14	185	31	4,506.19	-1.22	1.64	-15.02	7.76	7.74	-2.58
4540	16	184	32	4,537.12	6.97	-6.53	-15.63	8.51	8.44	-4.38
4572	19	183	32	4,567.64	16.56	-16.11	-16.21	7.82	7.81	-0.94
4603	21	183	31	4,596.78	27.14	-26.67	-16.77	8.08	8.06	-1.61
4635	23	182	32	4,626.43	39.18	-38.70	-17.27	5.70	5.63	-2.50
4667	25	183	32	4,655.72	52.06	-51.58	-17.80	4.77	4.69	2.19
4698	27	182	31	4,683.68	65.43	-64.93	-18.39	6.79	6.77	-0.97
4730	29	181	32	4,712.00	80.33	-79.82	-18.87	7.36	7.19	-3.44
4762	31	181	32	4,739.71	96.32	-95.82	-19.11	6.99	6.88	-2.50
4793	33	181	31	4,766.00	112.75	-112.25	-19.29	5.82	5.81	0.65
4825	34	181	32	4,792.70	130.38	-129.88	-19.49	3.44	3.44	-0.31
4857	36	181	32	4,818.93	148.71	-148.21	-19.73	5.96	5.94	0.94
4888	37	181	31	4,843.85	167.15	-166.65	-20.00	3.88	3.87	-0.32
4920	39	181	32	4,869.10	186.81	-186.30	-20.35	5.06	5.00	1.25
4952	41	182	32	4,893.72	207.25	-206.74	-20.86	6.33	6.25	1.56
4983	43	183	31	4,916.79	227.95	-227.42	-21.63	7.93	7.74	2.58
5015	46	183	32	4,939.65	250.33	-249.78	-22.70	8.20	8.13	1.56
5047	48	183	32	4,961.56	273.65	-273.08	-23.82	6.97	6.87	-1.56
5078	48	182	31	4,982.30	296.69	-296.10	-24.74	1.16	0.65	-1.29
5110	48	182	32	5,003.61	320.56	-319.96	-25.62	0.94	0.94	0.00
5142	48	182	32	5,024.87	344.47	-343.86	-26.41	0.98	-0.31	-1.25
5173	49	182	31	5,045.43	367.67	-367.04	-27.18	1.37	0.97	1.29
5205	48	181	32	5,066.72	391.56	-390.93	-27.85	2.99	-1.88	-3.13
5237	49	181	32	5,087.93	415.52	-414.89	-28.18	3.43	3.13	-1.87
5268	52	180	31	5,107.71	439.38	-438.76	-28.35	8.72	8.71	-0.65
5300	55	180	32	5,126.87	465.00	-464.38	-28.44	9.39	9.38	-0.63
5332	58	180	32	5,144.60	491.62	-491.01	-28.53	10.33	10.31	0.63
5363	61	181	31	5,160.26	518.36	-517.76	-28.74	10.68	10.65	0.97
5395	65	182	32	5,174.81	546.86	-546.25	-29.34	10.84	10.31	3.75
5427	68	183	32	5,187.62	576.18	-575.54	-30.47	11.48	11.25	2.50
5458	72	182	31	5,198.07	605.35	-604.69	-31.74	13.56	13.55	-0.65
5490	76	182	32	5,206.73	636.15	-635.47	-32.95	11.91	11.88	-0.94
5522	80	182	32	5,213.38	667.45	-666.75	-34.07	11.25	11.25	-0.31
5553	83	181	31	5,218.04	698.09	-697.38	-34.95	10.25	10.00	-2.26
5585	86	181	32	5,221.25	729.92	-729.21	-35.51	8.64	8.44	-1.88
5591	86	181	6	5,221.70	735.90	-735.19	-35.58	3.72	3.33	-1.67
5673	88	181	82	5,226.06	817.77	-817.06	-36.36	2.81	2.80	-0.12
5735	89	181	62	5,227.79	879.73	-879.04	-36.96	0.98	0.97	0.16
5827	91	182	92	5,228.11	971.72	-971.01	-38.88	2.72	2.39	1.30

Section 18
31S 19W

SEAN 3119 2-18H



Section 17
31S 19W

ELLIS 3119 3-19H SEAN 3119 3-18H



ELLIS 3119 2-19H



RUBY 3119 1A-20H RUBY 1-20H



Miss Entry: 5142'
-99.422448 37.336351

Top Perf: 5352'
-99.42245 37.335873

Section 19
31S 19W

Section 20
31S 19W

Bottom Perf: 9149'
-99.422699 37.32553

BHL: 9605'
-99.422651 37.324258

354 FSL 1064' FEL

Section 30
31S 19W

Section 29
31S 19W



● Actual BH Location

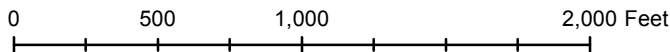
* SandRidge Wells

--- Perf

□ Sections

Actual Bottom-Hole Location of Ellis 3119 2-19H
Comanche County, Kansas
T&R: 31S 19W
Section: 19, 1064 FEL & 354' FSL
Long/Lat: -99.422651 37.324258

1 in = 667 ft



Draftsman:

Aaron Birk

Draft Date: 11/20/2012

Drawing Name/Number:

Addendum_Ellis_2-19H .mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Logo

Back to Well Completion

Ellis 3119 2-19H (1090851)

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 Remark](#)

Remarks

Tiffany Golay 11/19/012 10:57 am	Additional Fluid Mgmt Info: 420bbls hauled to Gray Mud Disposal, SW/4 15-24N-7W, Garfield, OK, 323003 and 560bbls hauled to West OK Disposal, Smith Estate; Well #1, 21-23N-2W, Woodward, OK
Tiffany Golay 10/29/012 03:10 pm	Conductor weight= 94 lbs/ft and set with 11 yards of concrete