Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1091395

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 # 33596
Name: Unit Petroleum Company
Wellsite Geologist: Kathy Gentry
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 #:

7/20/2012	8/20/2012	8/23/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21644-01-00
Spot Description:
SE - SW - SE - SW Sec. 25 Twp. 31 S. R. 20 ☐ East ☑ West
185 Feet from ☐ North / ☑ South Line of Section
1830 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: Mariah 3120 Well #: 2-36H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2040 Kelly Bushing: 2060
Total Vertical Depth: 9829 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 965 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: 38000 ppm Fluid volume: 5040 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: West OK Disposal
Lease Name: Smith Estate; Well #1 License #: 99999
Quarter SW Sec. 21 Twp. 23 S. R. 21 ☐ East ☑ West
County: Woodward, OK Permit #: 99999

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: 11/14/2012
☑ **Confidential Release Date:** 11/14/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 11/14/2012

1091395

Operator Name: SandRidge Exploration and Production LLC Lease Name: Mariah 3120 Well #: 2-36H

Sec. 25 Twp. 31 S. R. 20 ☐ 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	4228	
Lansing Ls/Shale Group	4389	
Cherokee Shale Marker	5007	
Miss Unconformity	5126	
Miss 'Layered, Bedded, karsted'	5135	

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	-3456	Premium "H"	2300	10% Gypsum, 4% Total Gel, 1/4 lb/sk Celloflake, 2 lb/sk Phenoseal
	-			

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. 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	Mariah 3120 2-36H
Doc ID	1091395

All Electric Logs Run

Final Boresight Depiction
ML 5in MD Final
CML Messenger Shuttle Compact Photo Density Compensated Neutron Log
CML Messenger Shuttle Array Induction Shallow FOC Electric Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Mariah 3120 2-36H
Doc ID	1091395

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9394-9670	4261 bbls water, 36 bbls acid, 76M lbs sd, 4297 TLTR	
5	8960-9304	4273 bbls water, 36 bbls acid, 76M lbs sd, 8971 TLTR	
5	8490-8802	4207 bbls of water, 36 bbls acid, 75M lbs sd, 18427 TLTR	
5	8079-8416	4391 bbls of wtaer, 15 bbls acid, 75M lbs sand, 22955 TLTR	
5	7661-7982	4466 bbls of water, 15 bbls acid, 75M lbs sand, 27582 TLTR	
5	7210-7552	4437 bbls of water, 15 bbls acid, 75M lbs sand, 32777 TLTR	
5	6845-7137	4375 bbls of water, 0 bbls acid, 75M lbs sand, 36850 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Mariah 3120 2-36H
Doc ID	1091395

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	105	4500 PSI concrete	11	none
Surface	12.25	9.63	36	965	O-Tex Lite Premium Plus 65, Premium Plus (Class C)	700	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5539	50/50 Poz Premium/ Premium	210	4% Gel, .4% C-12, .1% C-37, .5% C-41P 2 lb/sk Phenoseal
Production Liner	6.12	4.5	11.6	9829	50/50 Poz Premium	500	4% Gel, .4% C12, .1% C37, .5% C-41P, 1 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 22, 2012

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

Re: ACO1
API 15-033-21644-01-00
Mariah 3120 2-36H
SW/4 Sec.25-31S-20W
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: 7/21/2012

Drill Rig:	Location:	Lease Name:
Unit 9	Commanche County	Mariah #3120 2-36H DC.12223

120' of 30" Drilled Conductor Hole
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: DC-12223
Well Name: Mariah 3120 2-36H
Code: 860-010
Amount: 28,680.00
Co. Man: Dwayne Bust
Co. Man Sig.: Dwayne Bust
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

COUNTY	State	COMPANY	PROJECT NUMBER	TICKET DATE
COMANCHE	KANSAS	dridge Exploration & Produc	SOK1707	07/30/12
LEASE NAME	Well No.	JOB TYPE	CUSTOMER REP	
MARIAH	1120 2-36	Surface	DWAYNE BURT	
			EMPLOYEE NAME	
			LOUIS ARNEY	

EMP NAME							
LOUIS ARNEY		0					
JASON JONES							
CHERYL NEWTON							
TRAY WOTKINS							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000

	Called Out	On Location	Job Started	Job Completed
Date	7/30/2012	7/30/2012	7/30/2012	7/30/2012
Time	5:00	10:30	14:47	16:03

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		1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	1,000	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
7/30	5.5
Total	5.5

Operating Hours

Date	Hours
7/30	1.4
Total	1.4

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 100

Average Rates in BPM

MAX 6 BPM AVG 5

Cement Left in Pipe

Feet 47.74' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	440	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	100	Premium Plus (Class C)	2% Calcium Chloride on side to use if necessary	6.32	1.32	14.80

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	33	Calc.Disp Bbl 71
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 70.00
Average		Bump Plug PSI:	800	Final Circ.	PSI:	200	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	182.0	
				Total Volume	BBl	262.00	

CUSTOMER REPRESENTATIVE _____ Dwayne Burt SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1761	08/15/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Dwayne Burt

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Mariah	120 2-36	Intermediate	Larry Kirchner Jr.

EMP NAME							
Larry Kirchner Jr.		0					
John Hall							
Wallace Berry							
Vontray Watkins							

Form. Name _____ Type: _____

Packer Type _____ Set At 4,312

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5557

	Called Out	On Location	Job Started	Job Completed
Date	8/15/2012	8/15/2012	8/15/2012	8/15/2012
Time	7:00AM	11:30AM	12:17PM	1:30PM

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

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	New	26#	7"	Surface	5,539'	5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 3/4"	Surface	5,539'	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
8/15	2.0
Total	2.0

Operating Hours

Date	Hours
8/15	2.0
Total	2.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 300

Average Rates in BPM

MAX 8 BPM AVG 5

Cement Left in Pipe

Feet 88 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	110	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	30.00	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 208
		Actual TOC		Calc. TOC:		4,229	Actual Disp. 208.00
Average		Bump Plug PSI:		Final Circ.	PSI:	550	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	49.0	
				Total Volume	BBl	287.00	

CUSTOMER REPRESENTATIVE Dwayne Burt SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 1795	08/21/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	Dwayne Burt

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Mariah	)120 2-36	Liner	Matt Wilson

EMP NAME		EMP NAME		EMP NAME		EMP NAME	
Matt Wilson		Frank Reeves					
Jared Green							
David Thomas							
Emmit Brock							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 9904

	Called Out	On Location	Job Started	Job Completed
Date	8/21/2012	8/22/2012	8/22/2012	8/22/2012
Time	6:00 pm	12:00 am	6:15 am	10:00 am

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	5,233'	9,643'	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	9,904	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
8/22	10.0
Total	10.0

Operating Hours

Date	Hours
8/22	4.0
Total	4.0

Description of Job

Liner

Pressures

MAX 3,500 PSI AVG. 500

Average Rates in BPM

MAX 6 BPM AVG 6

Cement Left in Pipe

Feet 94 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	500	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 1 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	10-	Type:	Caustic	Preflush:	BBl	20.00	Type: 8.59#SPACER
Breakdown		MAXIMUM	3,500 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 118
		Actual TOC	4,697'	Calc. TOC:		4,697'	Actual Disp. 118.00
Average		Bump Plug PSI:		Final Circ.	PSI:	850	Disp:Bbl
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry:	BBl	128.0	
				Total Volume	BBl	266.00	

CUSTOMER REPRESENTATIVE Dwayne Burt SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1716	08/03/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Mariah	120 2-36	Misc Pumping	Larry Kirchner Jr.

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

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	8/2/2012	8/3/2012	8/3/2012	8/3/2012
Time	4:00PM	12:00AM	1:05AM	2:45AM

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							
Liner							
Liner							
Tubing			0				
Drill Pipe	Used				Surface	3,456	3,000
Open Hole					Surface	3,100	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	mud wash	BBL.	20	8.40
Spacer type	H2O	BBL.	10	8.33
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
8/3	2.8
Total	2.8

Operating Hours

Date	Hours
8/3	2.0
Total	2.0

Description of Job

Misc Pumping

Pressures

MAX 5,000 PSI AVG. 300

Average Rates in BPM

MAX 8 BPM AVG 4

Cement Left in Pipe

Feet 0 Reason LCM Plug

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	Premium "H" (Thixotropic	10 % Gypsum + 4 % Total Gel + 1/4#/sk Celloflake + 2#/sk Phenoseal	7.64	1.61	14.40
2						
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	20.00	Type:
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 30
		Actual TOC		Calc. TOC:		N/A	Actual Disp. 29.50
Average		Bump Plug PSI:		Final Circ.	PSI:	400	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	86.0	
				Total Volume	BBl	135.50	

CUSTOMER REPRESENTATIVE _____ Tom Savage _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1720	08/03/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge	Ron Savage

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Mariah	120 2-36	Misc Pumping	Larry Kirchner Jr.

EMP NAME							
Larry Kirchner Jr.		0					
John Hall							
James Derry							
Wallace Berry							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	8/3/2012	8/3/2012	8/3/2012	8/3/2012
Time	1:00PM	6:00PM	7:45PM	8:45PM

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							
Liner							
Liner							
Tubing			0				
Drill Pipe	Used				Surface	3,466	3,000
Open Hole					Surface	3,100	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density 9		Lb/Gal
Disp. Fluid	Fresh Water	Density 8.33		Lb/Gal
Spacer type	mud wash	BBL. 20		8.40
Spacer type	H2O	BBL. 10		8.33
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
8/3	2.8
Total	2.8

Operating Hours

Date	Hours
8/3	2.0
Total	2.0

Description of Job

Misc Pumping

Pressures

MAX 5,000 PSI AVG. 300

Average Rates in BPM

MAX 8 BPM AVG 6

Cement Left in Pipe

Feet 0 Reason LCM Plug

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	400	Premium "H" (Thixotropic	10 % Gypsum + 4 % Total Gel + 1/4#/sk Celloflake + 2#/sk Phenoseal	7.64	1.61	14.40
2						
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	0.00	Type:
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 30
		Actual TOC		Calc. TOC:		N/A	Actual Disp. 29.50
		Bump Plug PSI:		Final Circ.	PSI:	400	Disp:Bbl
Average				Cement Slurry:	BBl	115.0	
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Total Volume	BBl	144.50	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1723	08/04/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge	Ron Savage

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Mariah	1120 2-36I	Misc Pumping	Larry Kirchner Jr.

EMP NAME							
Larry Kirchner Jr.		0					
John Hall							
James Derry							
Wallace Berry							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	8/4/2012	8/4/2012	8/4/2012	8/4/2012
Time	6:00AM	12:00PM	1:04PM	2:00PM

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							
Liner							
Liner							
Tubing			0				
Drill Pipe	Used				Surface	3,456	3,000
Open Hole					Surface	3,100	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	mud wash	BBL.	20	8.40
Spacer type	H2O	BBL.	10	8.33
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
8/4	2.0
Total	2.0

Operating Hours

Date	Hours
8/4	2.0
Total	2.0

Description of Job

Misc Pumping

Pressures

MAX 5,000 PSI AVG 400

Average Rates in BPM

MAX 8 BPM AVG 6

Cement Left in Pipe

Feet 0 Reason LCM Plug

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	400	Premium "H" (Thixotropic	10 % Gypsum + 4 % Total Gel + 1/4#/sk Celloflake + 2#/sk Phenoseal	7.64	1.61	14.40
2						
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	0.00	Type:
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 30
		Actual TOC		Calc. TOC:		N/A	Actual Disp. 29.50
Average		Bump Plug PSI:		Final Circ.	PSI:	800	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	115.0	
				Total Volume	BBl	144.60	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1730	08/06/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge	Ron Savage

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Mariah	120 2-36	Misc Pumping	Larry Kirchner Jr.

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

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	8/5/2012	8/6/2012	8/6/2012	8/6/2012
Time	9:00PM	4:00AM	6:28AM	8:00AM

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							
Liner							
Liner							
Tubing			0				
Drill Pipe	Used				Surface		3,000
Open Hole					Surface	3,100	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	mud wash	BBL.	20	8.40
Spacer type	H2O	BBL.	10	8.33
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
8/6	4.0
Total	4.0

Operating Hours

Date	Hours
8/6	2.0
Total	2.0

Description of Job

Misc Pumping

Pressures

MAX 5,000 PSI AVG 200

Average Rates in BPM

MAX 8 BPM AVG 6

Cement Left in Pipe

Feet 0 Reason LCM Plug

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	400	Premium "H" (Thixotropic	10 % Gypsum + 4 % Total Gel + 1/4#/sk Celloflake + 2#/sk Phenoseal	7.64	1.61	14.40
2						
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	0.00	Type:
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 33
		Actual TOC		Calc. TOC:		N/A	Actual Disp. 32.50
Average		Bump Plug PSI:		Final Circ.	PSI:	400	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	115.0	
				Total Volume	BBl	147.50	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1746	08/10/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Mariah	120 2-36	Misc Pumping	Johnny Breeze

EMP NAME							
Johnny Breeze		0					
Scott Woods							
Flo Helkena							
David Settlemier							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	8/9/2012	8/10/2012	8/10/2012	8/10/2012
Time	2000	0400	0553	0730

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							
Liner							
Liner							
Tubing			0				
Drill Pipe			4		surface	4,650	3,000
Open Hole					Surface	5,000	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal	
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal	
Spacer type	mud wash	BBL.	20		8.40
Spacer type	H2O	BBL.	10		8.33
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
8/10	4.0
Total	4.0

Operating Hours

Date	Hours
8/10	4.0
Total	4.0

Description of Job

Misc Pumping

Pressures

MAX 3000 psi AVG. 650

Average Rates in BPM

MAX 8 BPM AVG 6.5

Cement Left in Pipe

Feet _____ Reason _____

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	400	Premium "H" (Thixotropic	10 % Gypsum + 4 % Total Gel + 1/4#/sk Celloflake + 2#/sk Phenoseal	7.64	1.61	14.40
2						
3	0	0	0	0.00	0.00	0.00

Summary

Preflush _____ Type: _____

Breakdown _____ MAXIMUM 3000 psi

_____ Lost Returns-N NONE

_____ Actual TOC _____

_____ Bump Plug PSI: NA

Average _____

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

Preflush:	BBl	10.00	Type:	Fresh Water
Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal	N/A
Excess /Return	BBl	N/A	Calc.Disp Bbl	47
Calc. TOC:			Actual Disp.	47.00
Final Circ.	PSI:	NA	Disp:Bbl	
Cement Slurry:	BBl	115.0		
Total Volume	BBl	172.00		

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

			SOK1750	08/11/12
COUNTY	State	COMPANY	CUSTOMER REP	
Comanche	Kansas	Sandridge	0	
LEASE NAME	Well No.	JOB TYPE	PURCHASE ORDER	
Mariah	1120 2-36I	Misc Pumping	0	

EMP NAME

Matt Wilson		tyrone					
Jarod Green							
David Thomas							
Frank							

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	8/11/2012	8/11/2012	8/11/2012	8/11/2012
Time	12:00 am	6:00 am	7:27 am	9:00 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					Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole					Surface	0	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	mud wash	BBL.	20	8.40
Spacer type	H2O	BBL.	10	8.33
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
8/11	3.0
Total	3.0

Operating Hours

Date	Hours
8/11	4.0
Total	4.0

Description of Job

Misc Pumping

Pressures

MAX 5,000 PSI AVG 500

Average Rates in BPM

MAX 8 BPM AVG 6

Cement Left in Pipe

Feet 0 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	400	Premium "H" (Thixotropic	10 % Gypsum + 4 % Total Gel + 1/4#/sk Celloflake + 2#/sk Phenoseal	7.64	1.61	14.40
2						
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl		Type:
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 34
		Actual TOC		Calc. TOC:			Actual Disp. 33.60
Average		Bump Plug PSI:		Final Circ.	PSI:	450	Disp:Bbl
tSIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	115.0	
				Total Volume	BBl	148.60	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

COUNTY	State	COMPANY	PROJECT NUMBER	TICKET DATE
Comanche	Kansas	dridge Exploration & Produc	SOK 1787	08/20/12
LEASE NAME	**Well No.**	**JOB TYPE**	**CUSTOMER REP**	
Mariah	120 2-36	Misc Pumping	Dwayne Burt	
			EMPLOYEE NAME	
			Derek Lewis	

EMP NAME							
Derek Lewis		0.00					
0.00							
Jason Jones							
Cheryl Newton							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 160 Pressure _____

Retainer Depth _____ Total Depth 0

	Called Out	On Location	Job Started	Job Completed
Date	8/20/2012	8/21/2012	8/21/2012	8/21/2012
Time	9:00 pm	1:30 am	6:23 am	7:20 am

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	
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			
Liner Tool						
HWDP						
Drill Pipe			3 1/2"			
Drill Collars						
Open Hole			6 1/8"		0	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		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
8/21	8.5
Total	8.5

Operating Hours

Date	Hours
8/21	2.5
Total	2.5

Description of Job

Misc Pumping

Pressures

MAX 3000 PSI AVG.

Average Rates in BPM

MAX 4 BPM AVG

Cement Left in Pipe

Feet NA Reason

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	0	0	0	0.00	0.00	0.00
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush:	BBl		Type: 0
Breakdown		MAXIMUM		Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N		Excess /Return	BBl	N/A	Calc.Disp Bbl 111
		Actual TOC		Calc. TOC:			Actual Disp. 140.00
Average		Bump Plug PSI:		Final Circ.	PSI:	320	Disp:Bbl 140.00
ISIP	5 Min.	10 Min.	15 Min	Cement Slurry:	BBl		
				Total Volume	BBl		

CUSTOMER REPRESENTATIVE _____ Dwayne Burt SIGNATURE

SANDRIDGE
THE POWER OF US

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

Survey
MARIAH 3120 2-36H

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

Step

Wellbores - Step #2

Actual Deviation Survey	Wellbore Name
Survey, Proposed? <proposed>	Original Hole

Deviation Surveys - Step #1

Description	Date	VS Dir (°)	Comment
Survey	7/28/2012	179.24	

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	0.59	6.07	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)
250	0.1			Incl					
500	0.4			Incl					
750	0.5			Incl					
1,064	1.1	4.80	Drill Right	MWD	1,064	-10	10.18	0.85	0.10
1,435	0.5	315.40	Drill Right	MWD	1,435	-15	14.88	0.02	0.23
1,912	0.3	72.50	Drill Right	MWD	1,912	-17	16.74	-0.25	0.14
2,388	0.5	79.90	Drill Right	MWD	2,388	-17	17.48	2.98	0.04
2,864	0.6	94.80	Drill Right	MWD	2,864	-18	17.63	7.51	0.04
3,342	0.9	84.10	Drill Right	MWD	3,342	-18	17.81	13.74	0.07
3,519	0.8	62.10	Drill Right	MWD	3,519	-18	18.53	16.21	0.19
3,945	8.9	190.10	Drill Right	MWD	3,943	13	-12.59	13.05	2.21
4,008	8.8	186.30	Drill Right	MWD	4,005	22	-22.18	11.67	0.94
4,104	8.5	183.70	Drill Right	MWD	4,100	37	-36.56	10.41	0.51
4,200	7.6	182.10	Drill Right	MWD	4,195	50	-49.98	9.71	0.97
4,262	7.1	180.00	Drill Right	MWD	4,257	58	-57.91	9.56	0.92
4,291	7.2	179.80	Drill Right	MWD	4,286	62	-61.52	9.57	0.36
4,325	8.1	179.90	Drill Right	MWD	4,319	66	-66.05	9.58	2.65
4,356	9.1	178.90	Drill Right	MWD	4,350	71	-70.68	9.63	3.26
4,384	9.9	179.90	Drill Right	MWD	4,378	75	-75.30	9.68	2.92
4,419	12.2	182.10	Drill Right	MWD	4,412	82	-82.01	9.55	6.68
4,450	14.6	182.00	Drill Right	MWD	4,442	89	-89.19	9.29	7.74
4,479	16.9	181.70	Drill Right	MWD	4,470	97	-97.06	9.04	7.94
4,511	19.5	183.20	Drill Right	MWD	4,500	107	-107.04	8.60	8.26
4,545	21.6	183.50	Drill Right	MWD	4,532	119	-118.95	7.91	6.18
4,574	22.8	183.80	Drill Right	MWD	4,559	130	-129.89	7.21	4.16
4,608	24.9	185.40	Drill Right	MWD	4,590	144	-143.59	6.10	6.46
4,640	27.5	185.10	Drill Right	MWD	4,619	158	-157.66	4.81	8.14
4,668	29.7	184.20	Drill Right	MWD	4,643	171	-171.02	3.72	8.01
4,703	32.0	183.30	Drill Right	MWD	4,674	189	-188.92	2.55	6.70
4,734	33.6	183.10	Drill Right	MWD	4,700	206	-205.69	1.62	5.17
4,763	35.5	182.50	Drill Right	MWD	4,723	222	-222.12	0.82	6.66
4,798	37.3	181.90	Drill Right	MWD	4,752	243	-242.87	0.02	5.24
4,829	39.1	182.40	Drill Right	MWD	4,776	262	-262.03	-0.70	5.89
4,858	40.8	182.50	Drill Right	MWD	4,798	281	-280.63	-1.50	5.87
4,893	43.4	181.90	Drill Right	MWD	4,824	304	-304.07	-2.39	7.52
4,925	45.2	180.90	Drill Right	MWD	4,847	326	-326.42	-2.94	6.03
4,953	46.9	180.60	Drill Right	MWD	4,867	346	-346.57	-3.20	6.12
4,989	48.8	179.40	Drill Right	MWD	4,891	373	-373.26	-3.20	5.83
5,020	49.7	179.40	Drill Right	MWD	4,911	397	-396.74	-2.95	2.90
5,048	49.8	179.00	Drill Right	MWD	4,929	418	-418.11	-2.65	1.15
5,083	50.1	178.80	Drill Right	MWD	4,952	445	-444.90	-2.14	0.96
5,115	50.1	178.00	Drill Right	MWD	4,972	469	-469.44	-1.45	1.92
5,144	50.4	177.60	Drill Right	MWD	4,991	492	-491.72	-0.60	1.48
5,178	50.2	177.00	Drill Right	MWD	5,012	518	-517.85	0.64	1.48
5,210	52.1	177.20	Drill Right	MWD	5,032	543	-542.74	1.90	5.96

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

Survey
MARIAH 3120 2-36H

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)
5,239	55.8	178.00	Drill Right	MWD	5,049	566	-566.16	2.88	12.95
5,272	59.9	179.30	Drill Right	MWD	5,067	594	-594.08	3.53	12.86
5,303	62.1	180.20	Drill Right	MWD	5,082	621	-621.19	3.64	7.54
5,332	63.7	180.50	Drill Right	MWD	5,095	647	-647.01	3.48	5.59
5,367	66.4	179.70	Drill Right	MWD	5,110	679	-678.74	3.43	7.99
5,398	69.7	179.50	Drill Right	MWD	5,122	707	-707.49	3.63	10.66
5,427	72.3	179.60	Drill Right	MWD	5,131	735	-734.90	3.85	8.97
5,461	75.0	179.60	Drill Right	MWD	5,141	768	-767.52	4.08	7.94
5,493	76.9	180.00	Drill Right	MWD	5,148	799	-798.57	4.18	6.06
5,507	77.5	179.90	Drill Right	MWD	5,151	812	-812.22	4.19	4.34
5,564	79.9	179.90	Drill Right	MWD	5,163	868	-868.11	4.29	4.21
5,594	81.9	178.00	Drill Right	MWD	5,167	898	-897.72	4.84	9.14
5,622	84.0	177.50	Drill Right	MWD	5,171	925	-925.49	5.93	7.71
5,656	85.2	178.00	Drill Right	MWD	5,174	959	-959.31	7.26	3.82
5,687	86.2	179.10	Drill Right	MWD	5,176	990	-990.21	8.04	4.79
5,715	88.7	179.40	Drill Right	MWD	5,178	1,018	-1,018.18	8.40	8.99
5,749	89.9	179.40	Drill Right	MWD	5,178	1,052	-1,052.18	8.76	3.53
5,780	89.9	179.80	Drill Right	MWD	5,178	1,083	-1,083.17	8.98	1.29
5,808	90.2	179.80	Drill Right	MWD	5,178	1,111	-1,111.17	9.07	1.07
5,843	90.3	179.50	Drill Right	MWD	5,178	1,146	-1,146.17	9.29	0.90
5,875	90.0	179.70	Drill Right	MWD	5,178	1,178	-1,178.17	9.51	1.13
5,903	90.3	179.10	Drill Right	MWD	5,178	1,206	-1,206.17	9.81	2.40
5,938	90.2	179.30	Drill Right	MWD	5,178	1,241	-1,241.17	10.29	0.64
5,970	90.2	179.20	Drill Right	MWD	5,177	1,273	-1,273.16	10.71	0.31
5,998	90.1	179.30	Drill Right	MWD	5,177	1,301	-1,301.16	11.08	0.51
6,093	90.2	178.60	Drill Right	MWD	5,177	1,396	-1,396.14	12.82	0.74
6,190	90.3	178.70	Drill Right	MWD	5,177	1,493	-1,493.12	15.11	0.15
6,284	90.7	178.50	Drill Right	MWD	5,176	1,587	-1,587.08	17.40	0.48
6,380	90.9	179.80	Drill Right	MWD	5,175	1,683	-1,683.06	18.83	1.37
6,476	90.8	179.90	Drill Right	MWD	5,173	1,779	-1,779.05	19.08	0.15
6,571	88.9	181.80	Drill Right	MWD	5,173	1,874	-1,874.03	17.67	2.83
6,666	88.5	180.90	Drill Right	MWD	5,176	1,969	-1,968.98	15.43	1.04
6,764	88.2	179.90	Drill Right	MWD	5,178	2,067	-2,066.94	14.75	1.06
6,856	89.2	178.30	Drill Right	MWD	5,180	2,159	-2,158.90	16.19	2.05
6,951	89.2	178.20	Drill Right	MWD	5,182	2,254	-2,253.84	19.09	0.11
7,045	89.5	178.10	Drill Right	MWD	5,183	2,348	-2,347.79	22.13	0.34
7,140	89.9	178.30	Drill Right	MWD	5,183	2,443	-2,442.74	25.11	0.47
7,234	89.7	178.60	Drill Right	MWD	5,184	2,537	-2,536.70	27.65	0.38
7,330	89.7	178.50	Drill Right	MWD	5,184	2,633	-2,632.67	30.08	0.10
7,425	88.6	179.50	Drill Right	MWD	5,186	2,728	-2,727.64	31.74	1.56
7,515	87.8	179.30	Drill Right	MWD	5,188	2,818	-2,817.59	32.68	0.92
7,617	88.2	178.70	Drill Right	MWD	5,192	2,920	-2,919.52	34.46	0.71
7,713	87.9	178.60	Drill Right	MWD	5,195	3,016	-3,015.43	36.72	0.33
7,807	88.5	178.40	Drill Right	MWD	5,198	3,110	-3,109.35	39.18	0.67
7,902	89.9	178.20	Drill Right	MWD	5,200	3,205	-3,204.30	42.00	1.49
7,997	90.8	178.20	Drill Right	MWD	5,199	3,300	-3,299.25	44.98	0.95
8,093	90.4	179.80	Drill Right	MWD	5,198	3,396	-3,395.23	46.66	1.72
8,187	90.9	180.50	Drill Right	MWD	5,197	3,490	-3,489.22	46.41	0.92
8,281	90.6	180.00	Drill Right	MWD	5,196	3,584	-3,583.21	46.00	0.62
8,373	88.5	181.50	Drill Right	MWD	5,196	3,675	-3,675.19	44.80	2.81
8,408	87.6	181.60	Drill Right	MWD	5,198	3,710	-3,710.16	43.85	2.59
8,439	87.8	181.40	Drill Right	MWD	5,199	3,741	-3,741.12	43.04	0.91

SANDRIDGE
THE POWER OF US

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

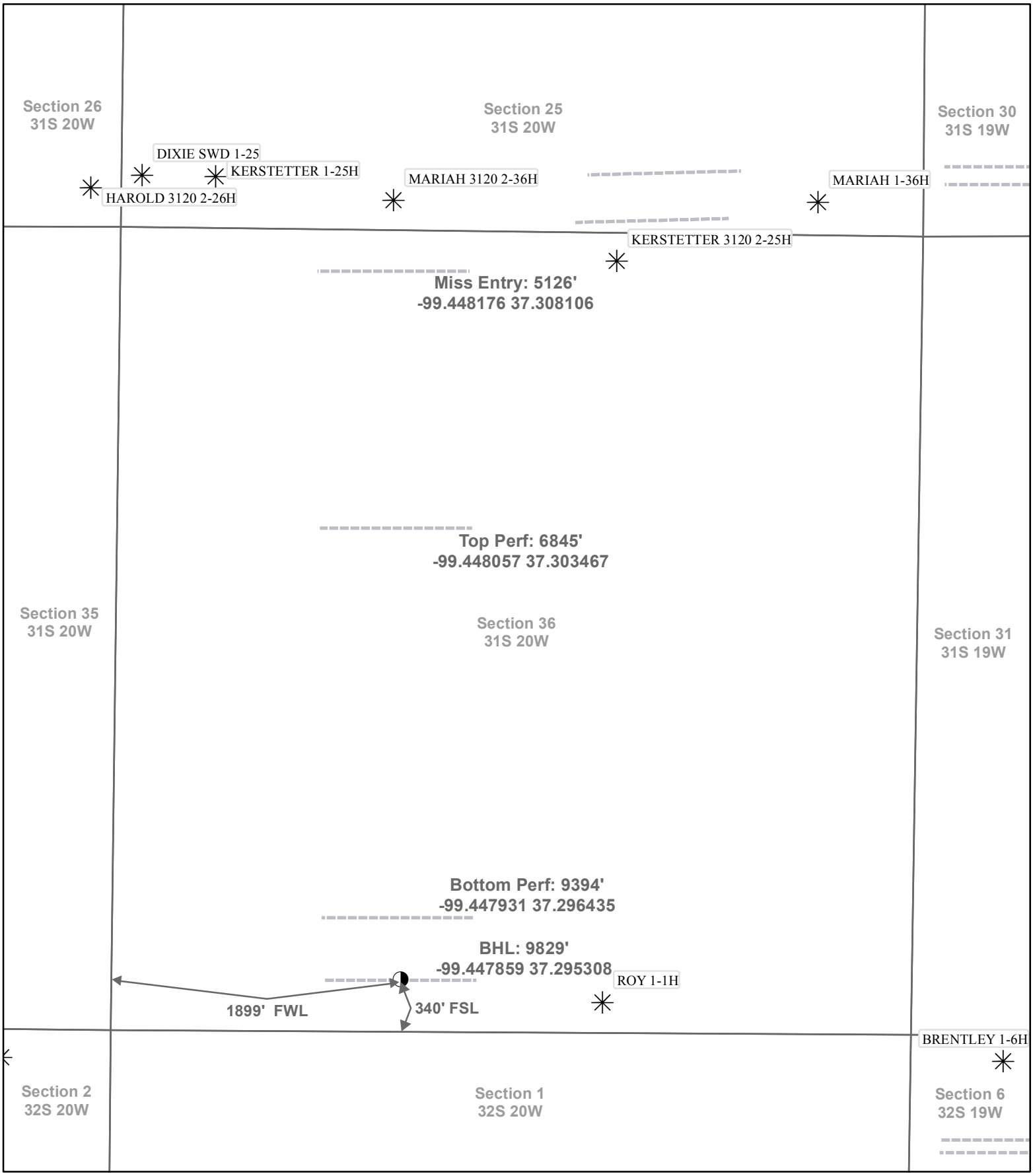
Survey
MARIAH 3120 2-36H

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)
8,468	87.2	181.40	Drill Right	MWD	5,200	3,770	-3,770.09	42.33	2.07
8,502	87.0	181.70	Drill Right	MWD	5,202	3,804	-3,804.03	41.41	1.06
8,534	86.9	181.70	Drill Right	MWD	5,203	3,836	-3,835.97	40.47	0.31
8,563	87.3	181.40	Drill Right	MWD	5,205	3,865	-3,864.92	39.68	1.72
8,597	88.0	181.90	Drill Right	MWD	5,206	3,899	-3,898.88	38.71	2.53
8,658	88.4	181.30	Drill Right	MWD	5,208	3,960	-3,959.83	37.00	1.18
8,757	87.9	180.00	Drill Right	MWD	5,211	4,059	-4,058.77	35.88	1.41
8,852	88.8	180.50	Drill Right	MWD	5,214	4,154	-4,153.73	35.47	1.08
8,947	89.6	181.40	Drill Right	MWD	5,216	4,249	-4,248.70	33.89	1.27
9,041	88.5	181.90	Drill Right	MWD	5,217	4,343	-4,342.65	31.18	1.29
9,132	88.6	181.80	Drill Right	MWD	5,219	4,434	-4,433.57	28.25	0.16
9,228	89.3	180.40	Drill Right	MWD	5,221	4,529	-4,529.53	26.41	1.63
9,324	89.9	180.10	Drill Right	MWD	5,222	4,625	-4,625.53	25.99	0.70
9,418	90.4	178.90	Drill Right	MWD	5,222	4,719	-4,719.52	26.81	1.38
9,514	90.2	178.20	Drill Right	MWD	5,221	4,815	-4,815.49	29.24	0.76
9,608	90.9	177.60	Drill Right	MWD	5,220	4,909	-4,909.42	32.68	0.98
9,704	90.1	177.20	Drill Right	MWD	5,219	5,005	-5,005.32	37.04	0.93
9,784	90.1	177.00	Drill Right	MWD	5,219	5,085	-5,085.22	41.08	0.25
9,829	90.1	177.00	Drill Right	MWD	5,219	5,130	-5,130.16	43.44	0.00



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Mariah 3120 2-36H
Comanche County, Kansas
T&R: 31S 20W
Section: 36, 1899' FWL & 340' FSL
Long/Lat: -99.447859 37.295308

1 in = 833 ft

0 625 1,250 2,500 Feet

N

Draftsman: Aaron Birk	Draft Date: 11/12/2012
Drawing Name/Number: Addendum_Mariah_2-36H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Logo

Back to Well Completion

Mariah 3120 2-36H (1091395)

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 11/09/012 08:31 am	conductor weight= 106.5
Tiffany Golay 11/08/012 08:54 am	Additional Fluid Mgmt Info: 400 bbls hauled to LoJo Disposal Pit #1 SW/4 10-26N-15W, Woods, ok; 39 bbls hauled to Gray Mud Disposal SW/4 15-24S-7W, Garfield, OK; 200 bbls hauled to Nard, Inc German #2 NE/4 28-29N-22W Harper, ok; 280 bbls hauled to KBW Oil & Gas Co Harmon 1 NW/4 11-33S-20W Comanche, KS D-22304