Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1088473

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: 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 #:

6/18/2012	7/20/2012	7/25/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21648-01-00
Spot Description:
N2 - N2 - NW - NE Sec. 36 Twp. 31 S. R. 20 ☐ East ☑ West
200 Feet from ☑ North / ☐ South Line of Section
1980 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: Kerstetter 3120 Well #: 2-25H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2061 Kelly Bushing: 2081
Total Vertical Depth: 9999 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1095 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: 25000 ppm Fluid volume: 1440 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Gray Mud Disposal
Lease Name: Unnamed License #: 00000
Quarter SW Sec. 15 Twp. 24 S. R. 7 ☐ East ☑ West
County: Garfield, OK Permit #: 323003

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: 10/16/2012
☑ **Confidential Release Date:** 10/16/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 10/23/2012

1088473

Operator Name: SandRidge Exploration and Production LLC Lease Name: Kerstetter 3120 Well #: 2-25H

Sec. 36 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:

Boresight
CML Messenger Compact Photo Density Compensated Neutron
Measured Depth Log

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

Name	Top	Datum
Base Heebner Shale Marker	4232	
Lansing Ls/Shale Group	4408	
Oswego Ls Group	4939	
Cherokee Shale Marker	5008	
Miss Unconformity	5122	
Mississippi 'Solid'	5128	

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. 8/18/2012

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	Kerstetter 3120 2-25H
Doc ID	1088473

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	10822-11080	4309 bbls of water, 48 bbls acid, 74M lbs sand, 4345 TLTR	
5	10331-10661	4288 bbls of water, 48 bbls acid, 75M lbs sand, 8878 TLTR	
5	9922-10251	4236 bbls of water, 48 bbls acid, 75M lbs sand, 13337 TLTR	
5	9513-9842	4247 bbls water, 36 bbls acid, 75M lbs sd, 17778 TLTR	
5	9103-9433	4315 bbls water, 36 bbls acid, 76M lbs sd, 22263 TLTR	
5	8694-9024	4256 bbls water, 36 bbls acid, 76M lbs sd, 26683 TLTR	
5	8285-8614	4281 bbls water, 36 bbls acid, 75M lbs sd, 31084 TLTR	
5	7876-8205	4356 bbls water, 36 bbls acid, 76M lbs sd, 35586 TLTR	
5	7466-7796	4231 bbls water, 48 bbls acid, 75M lbs sd, 39946 TLTR	
5	7057-7387	4266 bbls water, 48 bbls acid, 75M lbs sd, 44346 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 2-25H
Doc ID	1088473

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	6648-6977	4232 bbls water, 48 bbls acid, 75M lbs sd, 48373 TLTR	
5	6239-6568	4208 bbls water, 48 bbls acid, 75M lbs sd, 52962 TLTR	
5	5829-6159	4200 bbls water, 48 bbls acid, 75M lbs sd, 57229 TLTR	
5	5420-5749	4196 bbls water, 48 bbls acid, 75M lbs sd, 61477 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 2-25H
Doc ID	1088473

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	132	Express Energy Services Cement	15	none
Surface	12.25	9.63	36	1095	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	750	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5577	50/50 Poz Premium/ Premium	220	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.12	4.5	11.6	9999	50/50 Premium Poz	620	(4% Gel) .4% 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/

July 24, 2012

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

Re: ACO1
API 15-033-21648-01-00
Kerstetter 3120 2-25H
NE/4 Sec.36-31S-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

Express ENERGY SERVICES
P O BOX 843971
DALLAS, TX 75284
Phone # (713)625-7400
Fax # (713)625-7403

TICKET

TICKET NUMBER: 8052-50-1
TICKET DATE: 06/17/2012

ELECTRONIC

SANDRIDGE ENERGY
ODESSA REGION
P.O. BOX 1748
OKLAHOMA CITY, OK 73101-1748

Yard: 8052 OKLAHOMA ELK CITY RATHOLE
Lease: Kerstetter # 2
Well#: 25H
Contractor: Unit
Rig#: 9
Co/St: COMANCHE, KS
Sales Person: EXPRESS ENERGY SERVICES OPERATING

For questions, please call 713-625-7498.

DESCRIPTION	QUANTITY		RATE	AMOUNT
6/17/2012 30" Main Hole (per ft)	120.00	FT		
6/17/2012 Provide Conductor Pipe for Main Hole - 20" (per ft)	120.00	FT	45.000	5,400.00
6/17/2012 20" Mouse Hole (per ft)	75.00	EA		
6/17/2012 Provide Conductor Pipe for Main Hole - 16" (per ft)	75.00	FT	20.000	1,500.00
6/17/2012 Drill 75" hole for cellar (per ft)	6.00	FT		
6/17/2012 72" diameter tin horn for cellar (per ft)	6.00	FT	125.000	750.00
6/17/2012 Site Preparation - Location Cleanup	1.00	HR		
6/17/2012 Running Pipe on Main Hole (100-120ft)	1.00	EA		
6/17/2012 Running Pipe on Deep Mouse Hole	1.00	EA		
6/17/2012 Welding Services (per hour)	1.00	HR		
6/17/2012 Lids for end of pipe	3.00	EA	150.000	450.00
6/17/2012 Cement to grout pipe in hole	15.00	YD	200.000	3,000.00
6/17/2012 Drilling Mud for Hole Stability	1.00	JOB	1,200.000	1,200.00
6/17/2012 20" Riser Pipe (per ft)	40.00	FT	45.000	1,800.00
6/17/2012 NON TAXABLE SERVICES	1.00		14,800.000	14,800.00

Sub Total:	28,900.00
Tax Comanche KS (6.3 %):	888.30
TICKET TOTAL:	$ 29,788.30

I, the undersigned, acknowledge the acceptance of the above listed goods and or services

Approved Signature _____

AFE Number: DC12101
Well Name: KERSTETTER 2-25H
Code: 850-010
Amount: $ 29,788.30
Co. Man: [illegible]
Co. Man Sig.: [signature]
Notes:

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 1600	06/29/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	DWAYNE BURT

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Kerstetter	1120 2-25I	Surface	LOUIS ARNEY

EMP NAME							
LOUIS ARNEY		0					
JASON JONES							
MARCOS QUINTANA							
CHERYL NEWTON							

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	7/1/2012	7/2/2012	7/2/2012	7/2/2012
Time	19:30	2:00	6:30	7:47

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
7/2	7.0
Total	7.0

Operating Hours

Date	Hours
7/2	1.4
Total	1.4

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 300

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left in Pipe

Feet 47' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	490	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)	2% 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	55	Calc.Disp Bbl 81
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 80.00
Average		Bump Plug PSI:	950	Final Circ.	PSI:	450	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	199.0	
				Total Volume	BBl	289.00	

CUSTOMER REPRESENTATIVE Dwayne Burt

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1635	07/11/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Ron Savage

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Kerstetter	120 2-25I	Intermediate	Robert Burris

EMP NAME							
Robert Burris		0					
Bryan Douglas							
Emmit Brock							
Jessie McClain							

Form. Name _____ Type: _____

Packer Type _____ Set At 4,250

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5587

	Called Out	On Location	Job Started	Job Completed
Date	7/11/2012	7/11/2012	7/11/2012	7/11/2012
Time	08:30	11:30	16:00	17:10

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	5,577	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,587	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	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 _____

Other _____

Hours On Location

Date	Hours
7/11	5.5
Total	5.5

Operating Hours

Date	Hours
7/11	1.0
Total	1.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 575

Average Rates in BPM

MAX 8 BPM AVG 6.5

Cement Left in Pipe

Feet 92 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		Type:		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 210
		Actual TOC	4,205	Calc. TOC:		4,205	Actual Disp. 210.00
Average		Bump Plug PSI:	1,650	Final Circ.	PSI:	1,050	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	52.0	
				Total Volume	BBl	292.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1673	07/24/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	Ron Savage

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Kerstetter	120 2-25	Liner	Larry Kirchner Jr.

EMP NAME

Larry Kirchner Jr.		Von Tray					
Jason Jones							
Robert Stonehocker							
Cheryl Newton							

Form. Name _____ Type: _____

Packer Type _____ Set At 5,577

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 11193

	Called Out	On Location	Job Started	Job Completed
Date	7/23/2012	7/23/2012	7/24/2012	7/24/2012
Time	11:00AM	5:00PM	1:55AM	4:30AM

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	New	11.6	4 1/2	5,223'	11,193'	3,500
Liner Tool						3,500
HWDP				3,836'	5,223	3,500
Drill Pipe			3 1/2"	Surface	3,836.33'	3,500
Drill Collars						3,500
Open Hole			6 1/8"	Surface	11,193	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
7/23	7.0
7/24	4.5
Total	11.5

Operating Hours

Date	Hours
7/24	3.0
Total	3.0

Description of Job

Liner

Pressures

MAX 3,500 PSI AVG. 400

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	620	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	3 Hrs & 58 Min.	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 142
		Actual TOC	4,697'	Calc. TOC:		4,723'	Actual Disp. 131.00
Average		Bump Plug PSI:		Final Circ.	PSI:	950	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	159.0	
				Total Volume	BBl	310.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

Standard Wellpath Report
Sandridge
Sec 36 - 31S - 20W, Kansas
Comanche County
Wellbore: Kerstetter 3120 2-25H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1725804.00	235021.00
1160.00	1.00	295.000	1159.94	4.28N	9.17W	0.09	4.15	1725794.83	235025.28
1435.00	0.90	280.600	1434.90	5.69N	13.47W	0.09	5.50	1725790.53	235026.69
1909.00	1.20	266.700	1908.82	6.09N	22.09W	0.08	5.78	1725781.91	235027.09
2386.00	0.50	311.200	2385.77	7.17N	28.64W	0.19	6.78	1725775.36	235028.17
2861.00	0.60	313.000	2860.75	10.23N	32.02W	0.02	9.79	1725771.98	235031.23
3336.00	0.70	335.900	3335.72	14.58N	35.02W	0.06	14.09	1725768.98	235035.58
3814.00	0.60	22.300	3813.69	19.56N	35.26W	0.11	19.07	1725768.74	235040.56
4193.00	0.60	3.400	4192.67	23.38N	34.39W	0.05	22.90	1725769.61	235044.38
4225.00	0.90	357.300	4224.67	23.79N	34.39W	0.97	23.32	1725769.61	235044.79
4256.00	1.60	18.100	4255.66	24.45N	34.27W	2.66	23.97	1725769.73	235045.45
4288.00	3.40	33.900	4287.63	25.66N	33.60W	5.97	25.20	1725770.40	235046.66
4319.00	5.10	31.300	4318.55	27.60N	32.38W	5.52	27.15	1725771.63	235048.60
4351.00	6.80	33.000	4350.37	30.41N	30.60W	5.34	29.98	1725773.40	235051.41
4382.00	8.70	35.000	4381.09	33.87N	28.26W	6.19	33.47	1725775.74	235054.87
4414.00	10.60	37.600	4412.63	38.18N	25.08W	6.09	37.83	1725778.92	235059.18
4446.00	12.30	39.400	4444.00	43.15N	21.12W	5.43	42.85	1725782.88	235064.15
4477.00	14.20	39.200	4474.17	48.65N	16.62W	6.13	48.41	1725787.38	235069.65
4509.00	16.00	37.000	4505.06	55.21N	11.48W	5.90	55.05	1725792.52	235076.21
4540.00	17.80	36.000	4534.72	62.46N	6.12W	5.88	62.37	1725797.88	235083.46
4572.00	18.40	37.200	4565.14	70.44N	0.20W	2.21	70.43	1725803.80	235091.44
4604.00	19.40	35.500	4595.41	78.79N	5.94E	3.57	78.86	1725809.94	235099.78
4636.00	21.50	35.100	4625.40	87.91N	12.40E	6.58	88.07	1725816.40	235108.91
4667.00	24.00	34.900	4653.98	97.73N	19.28E	8.07	97.99	1725823.28	235118.73
4699.00	26.90	34.200	4682.87	109.06N	27.07E	9.11	109.42	1725831.07	235130.06
4731.00	29.50	34.100	4711.07	121.57N	35.56E	8.13	122.05	1725839.56	235142.57
4762.00	31.60	33.600	4737.77	134.66N	44.33E	6.82	135.26	1725848.33	235155.66
4794.00	33.40	30.900	4764.76	149.20N	53.50E	7.22	149.92	1725857.50	235170.20
4825.00	35.70	30.200	4790.29	164.34N	62.43E	7.53	165.19	1725866.43	235185.34
4857.00	37.40	30.600	4815.99	180.78N	72.07E	5.36	181.75	1725876.07	235201.77
4888.00	40.00	29.900	4840.18	197.52N	81.83E	8.50	198.63	1725885.83	235218.52
4920.00	42.00	29.800	4864.33	215.73N	92.28E	6.25	216.98	1725896.28	235236.73
4952.00	43.80	29.100	4887.77	234.70N	102.99E	5.82	236.09	1725906.99	235255.69
4984.00	45.30	29.000	4910.58	254.32N	113.89E	4.69	255.87	1725917.89	235275.32
5015.00	46.60	25.900	4932.13	274.09N	124.15E	8.32	275.78	1725928.15	235295.09
5047.00	47.60	22.200	4953.92	295.49N	133.70E	9.03	297.31	1725937.70	235316.49
5142.00	48.10	16.000	5017.71	361.99N	156.71E	4.87	364.12	1725960.71	235382.99
5173.00	47.80	15.200	5038.47	384.16N	162.90E	2.15	386.37	1725966.90	235405.16
5205.00	47.50	15.700	5060.03	406.96N	169.20E	1.49	409.25	1725973.20	235427.95
5237.00	49.30	14.900	5081.27	430.04N	175.51E	5.93	432.42	1725979.51	235451.03
5268.00	52.20	14.400	5100.88	453.26N	181.58E	9.44	455.72	1725985.58	235474.26
5300.00	55.20	15.100	5119.83	478.20N	188.15E	9.54	480.74	1725992.15	235499.19
5331.00	58.80	13.700	5136.71	503.37N	194.61E	12.21	506.01	1725998.60	235524.37
5363.00	63.00	12.200	5152.27	530.62N	200.86E	13.75	533.34	1726004.86	235551.61
5394.00	66.80	10.600	5165.42	558.13N	206.40E	13.12	560.92	1726010.40	235579.13
5426.00	70.80	9.400	5176.99	587.51N	211.58E	12.98	590.37	1726015.58	235608.50
5457.00	75.60	9.100	5185.94	616.79N	216.35E	15.51	619.71	1726020.35	235637.78
5489.00	80.00	9.400	5192.71	647.65N	221.37E	13.78	650.64	1726025.37	235668.65
5521.00	83.70	8.800	5197.24	678.93N	226.38E	11.71	681.98	1726030.38	235699.92
5540.00	86.00	8.300	5198.95	697.64N	229.20E	12.39	700.73	1726033.19	235718.63
5587.00	90.80	7.000	5200.26	744.19N	235.45E	10.58	747.36	1726039.44	235765.18
5619.00	92.50	6.600	5199.34	775.95N	239.23E	5.46	779.17	1726043.23	235796.94
5651.00	93.40	5.900	5197.69	807.71N	242.71E	3.56	810.98	1726046.71	235828.71
5683.00	93.00	5.200	5195.90	839.51N	245.80E	2.52	842.82	1726049.80	235860.51
5714.00	92.70	4.700	5194.36	870.36N	248.48E	1.88	873.70	1726052.47	235891.35
5746.00	93.40	3.600	5192.66	902.23N	250.79E	4.07	905.60	1726054.79	235923.22
5778.00	93.50	2.400	5190.73	934.13N	252.46E	3.76	937.52	1726056.46	235955.12
5809.00	93.50	1.600	5188.84	965.05N	253.54E	2.58	968.45	1726057.54	235986.04
5841.00	93.90	0.800	5186.78	996.98N	254.21E	2.79	1000.39	1726058.21	236017.97
5872.00	94.00	359.700	5184.64	1027.90N	254.34E	3.55	1031.31	1726058.34	236048.89
5904.00	93.70	358.900	5182.49	1059.83N	253.95E	2.66	1063.23	1726057.95	236080.82
5936.00	93.90	358.000	5180.37	1091.74N	253.09E	2.88	1095.13	1726057.09	236112.73
5968.00	92.50	355.900	5178.59	1123.65N	251.39E	7.88	1127.01	1726055.39	236144.64
5999.00	91.50	354.500	5177.50	1154.52N	248.80E	5.55	1157.84	1726052.79	236175.51
6032.00	92.20	354.700	5176.44	1187.35N	245.69E	2.21	1190.63	1726049.69	236208.34
6063.00	91.80	352.400	5175.36	1218.14N	242.21E	7.53	1221.36	1726046.21	236239.13
6095.00	89.80	349.100	5174.91	1249.71N	237.07E	12.06	1252.86	1726041.07	236270.70
6127.00	90.30	348.100	5174.88	1281.08N	230.75E	3.49	1284.14	1726034.74	236302.07
6158.00	91.10	349.100	5174.50	1311.47N	224.62E	4.13	1314.44	1726028.62	236332.45
6190.00	92.00	350.700	5173.64	1342.96N	219.01E	5.74	1345.85	1726023.01	236363.94

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Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Kerstetter 3120 2-25H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 0.790 degrees
Bottom hole distance is 6331.27 Feet on azimuth 0.61 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 23-Jul-2012

Standard Wellpath Report
Sandridge
Sec 36 - 31S - 20W, Kansas
Comanche County
Wellbore: Kerstetter 3120 2-25H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6221.00	91.20	349.600	5172.77	1373.49N	213.71E	4.39	1376.30	1726017.71	236394.47
6253.00	89.90	348.400	5172.46	1404.90N	207.60E	5.53	1407.63	1726011.60	236425.88
6284.00	90.00	348.500	5172.49	1435.27N	201.40E	0.46	1437.91	1726005.39	236456.25
6316.00	91.80	349.500	5171.99	1466.68N	195.29E	6.43	1469.23	1725999.29	236487.66
6349.00	91.70	349.500	5170.98	1499.11N	189.28E	0.30	1501.58	1725993.28	236520.09
6381.00	91.60	349.500	5170.06	1530.56N	183.45E	0.31	1532.94	1725987.45	236551.54
6413.00	91.50	349.500	5169.19	1562.01N	177.62E	0.31	1564.31	1725981.62	236583.00
6445.00	91.30	349.700	5168.41	1593.48N	171.85E	0.88	1595.69	1725975.84	236614.46
6477.00	91.40	349.500	5167.66	1624.94N	166.07E	0.70	1627.08	1725970.07	236645.93
6509.00	91.80	349.600	5166.76	1656.40N	160.27E	1.29	1658.45	1725964.27	236677.38
6541.00	91.40	349.500	5165.87	1687.86N	154.47E	1.29	1689.83	1725958.47	236708.84
6573.00	91.40	349.100	5165.09	1719.29N	148.53E	1.25	1721.17	1725952.53	236740.27
6605.00	90.30	348.700	5164.61	1750.69N	142.37E	3.66	1752.48	1725946.37	236771.67
6669.00	88.90	348.100	5165.06	1813.38N	129.50E	2.38	1814.99	1725933.50	236834.36
6701.00	89.90	348.200	5165.40	1844.69N	122.93E	3.14	1846.21	1725926.93	236865.67
6733.00	90.70	349.000	5165.23	1876.06N	116.60E	3.54	1877.49	1725920.60	236897.04
6765.00	91.90	350.600	5164.50	1907.54N	110.94E	6.25	1908.89	1725914.94	236928.53
6796.00	92.70	351.600	5163.26	1938.15N	106.15E	4.13	1939.43	1725910.15	236959.13
6859.00	92.60	352.500	5160.35	2000.47N	97.44E	1.44	2001.63	1725901.44	237021.45
6891.00	93.40	353.000	5158.67	2032.17N	93.41E	2.95	2033.27	1725897.41	237053.15
6923.00	93.10	354.000	5156.86	2063.92N	89.79E	3.26	2064.96	1725893.79	237084.90
6954.00	92.10	355.200	5155.45	2094.75N	86.88E	5.04	2095.74	1725890.88	237115.73
6986.00	91.90	355.700	5154.33	2126.63N	84.34E	1.68	2127.59	1725888.34	237147.60
7049.00	90.50	355.600	5153.01	2189.43N	79.57E	2.23	2190.32	1725883.56	237210.41
7144.00	89.60	356.800	5152.93	2284.22N	73.27E	1.58	2285.01	1725877.27	237305.19
7239.00	89.00	358.200	5154.09	2379.12N	69.13E	1.60	2379.84	1725873.13	237400.09
7334.00	89.80	358.400	5155.09	2474.07N	66.31E	0.87	2474.75	1725870.31	237495.04
7429.00	90.80	358.600	5154.59	2569.03N	63.82E	1.07	2569.67	1725867.82	237590.01
7524.00	90.50	358.600	5153.51	2664.00N	61.50E	0.32	2664.59	1725865.50	237684.97
7619.00	89.60	357.400	5153.43	2758.94N	58.18E	1.58	2759.48	1725862.18	237779.91
7714.00	91.10	357.300	5152.85	2853.83N	53.79E	1.58	2854.30	1725857.79	237874.80
7809.00	91.30	356.000	5150.86	2948.65N	48.24E	1.38	2949.03	1725852.24	237969.62
7904.00	91.30	356.500	5148.70	3043.42N	42.03E	0.53	3043.71	1725846.03	238064.39
7999.00	90.70	357.800	5147.05	3138.29N	37.31E	1.51	3138.50	1725841.31	238159.25
8028.00	90.70	359.200	5146.69	3167.27N	36.55E	4.83	3167.48	1725840.55	238188.24
8122.00	91.20	359.800	5145.13	3261.26N	35.73E	0.83	3261.44	1725839.73	238282.22
8217.00	91.40	360.000	5142.98	3356.23N	35.56E	0.30	3356.40	1725839.56	238377.20
8313.00	92.70	359.400	5139.54	3452.17N	35.06E	1.49	3452.32	1725839.06	238473.13
8408.00	92.40	0.100	5135.32	3547.07N	34.65E	0.80	3547.21	1725838.65	238568.03
8440.00	92.70	0.500	5133.89	3579.04N	34.81E	1.56	3579.18	1725838.81	238600.00
8472.00	91.60	1.700	5132.69	3611.01N	35.43E	5.09	3611.15	1725839.43	238631.97
8504.00	90.80	2.100	5132.02	3642.98N	36.49E	2.79	3643.14	1725840.49	238663.95
8599.00	90.80	2.100	5130.70	3737.91N	39.97E	==>	3738.11	1725843.97	238758.87
8693.00	90.10	1.400	5129.96	3831.86N	42.84E	1.05	3832.09	1725846.84	238852.82
8789.00	87.90	1.700	5131.63	3927.81N	45.44E	2.31	3928.06	1725849.44	238948.77
8885.00	88.80	1.100	5134.40	4023.74N	47.78E	1.13	4024.01	1725851.78	239044.70
8980.00	89.70	1.000	5135.64	4118.71N	49.52E	0.95	4119.00	1725853.52	239139.67
9075.00	91.10	0.700	5134.98	4213.70N	50.93E	1.51	4214.00	1725854.93	239234.65
9170.00	90.20	1.700	5133.90	4308.67N	52.92E	1.42	4308.99	1725856.92	239329.62
9264.00	90.90	1.800	5133.00	4402.62N	55.79E	0.75	4402.97	1725859.79	239423.57
9296.00	89.60	1.900	5132.86	4434.60N	56.82E	4.07	4434.96	1725860.82	239455.56
9360.00	90.40	1.400	5132.86	4498.57N	58.67E	1.47	4498.95	1725862.67	239519.53
9456.00	90.00	1.700	5132.52	4594.54N	61.26E	0.52	4594.94	1725865.26	239615.49
9551.00	89.80	1.700	5132.69	4689.49N	64.08E	0.21	4689.93	1725868.08	239710.45
9646.00	89.70	1.900	5133.10	4784.45N	67.07E	0.24	4784.92	1725871.06	239805.40
9743.00	89.30	1.400	5133.95	4881.40N	69.86E	0.66	4881.90	1725873.86	239902.35
9837.00	90.20	0.900	5134.36	4975.38N	71.75E	1.10	4975.90	1725875.74	239996.33
9932.00	90.60	0.800	5133.70	5070.37N	73.15E	0.43	5070.90	1725877.15	240091.32
10027.00	90.20	0.500	5133.03	5165.36N	74.23E	0.53	5165.89	1725878.23	240186.31
10122.00	90.70	0.100	5132.29	5260.36N	74.73E	0.67	5260.89	1725878.73	240281.30
10217.00	91.50	359.500	5130.46	5355.34N	74.40E	1.05	5355.85	1725878.40	240376.28
10312.00	91.00	358.400	5128.39	5450.30N	72.66E	1.27	5450.78	1725876.66	240471.24
10407.00	91.40	358.300	5126.40	5545.24N	69.92E	0.43	5545.67	1725873.92	240566.18
10504.00	91.50	358.200	5123.95	5642.16N	66.96E	0.15	5642.55	1725870.96	240663.10
10599.00	91.50	359.000	5121.46	5737.10N	64.64E	0.84	5737.44	1725868.64	240758.04
10694.00	91.10	359.200	5119.30	5832.06N	63.15E	0.47	5832.38	1725867.15	240853.00
10789.00	88.30	0.300	5119.80	5927.05N	62.73E	3.17	5927.35	1725866.73	240947.99
10884.00	89.10	0.600	5121.96	6022.02N	63.48E	0.90	6022.32	1725867.48	241042.96
10979.00	90.60	0.600	5122.21	6117.01N	64.48E	1.58	6117.32	1725868.47	241137.95
11074.00	91.40	0.900	5120.55	6211.99N	65.72E	0.90	6212.30	1725869.72	241232.93
11148.00	92.10	0.600	5118.29	6285.95N	66.69E	1.03	6286.27	1725870.69	241306.88

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Vertical Section is from 0.00N 0.00E on azimuth 0.790 degrees
Bottom hole distance is 6331.27 Feet on azimuth 0.61 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 23-Jul-2012

Standard Wellpath Report
Sandridge
Sec 36 - 31S - 20W, Kansas
Comanche County
Wellbore: Kerstetter 3120 2-25H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
11193.00	92.10	0.600	5116.64	6330.91N	67.16E	==>	6331.24	1725871.16	241351.85

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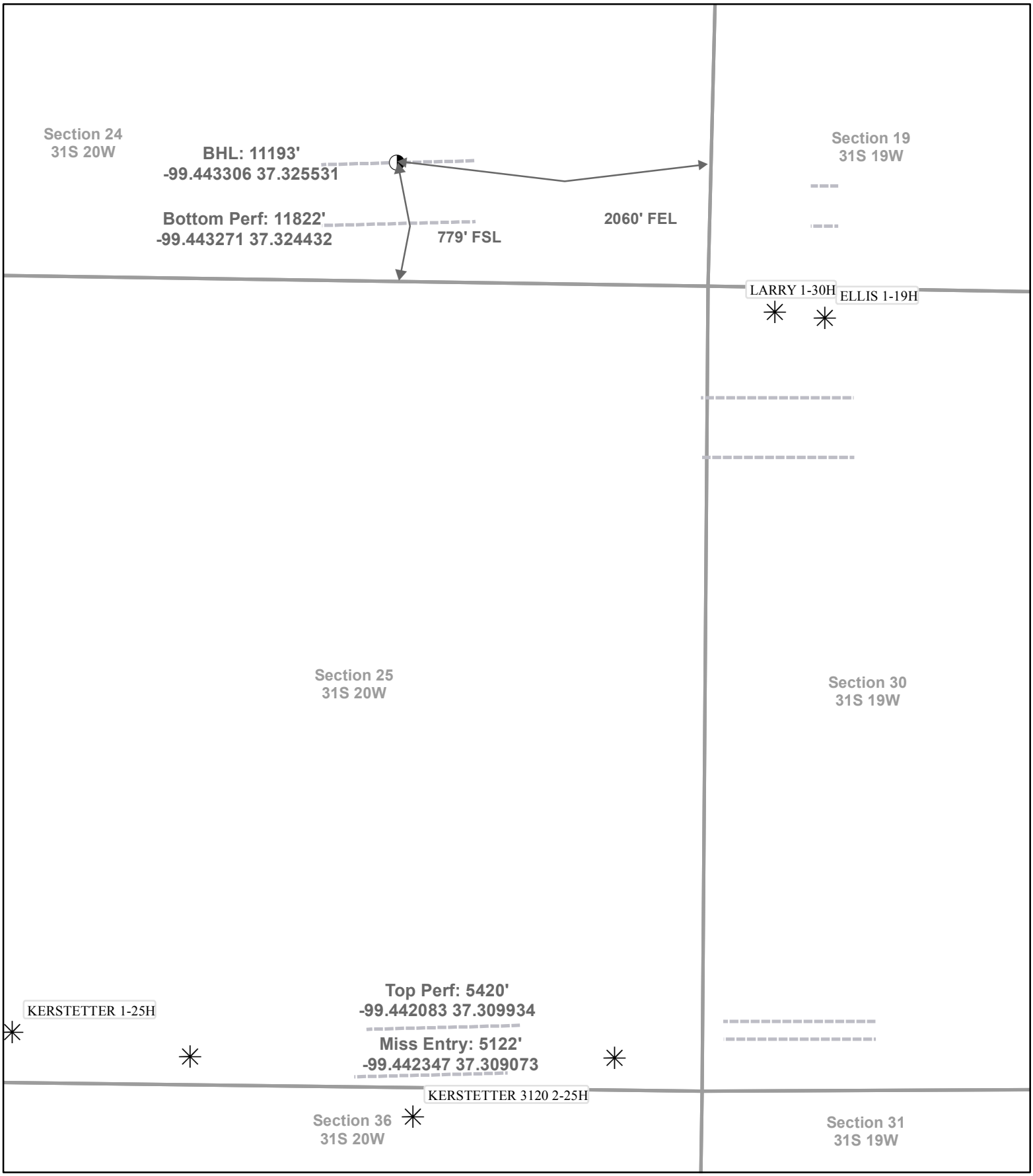

SANDRIDGE
THE POWER OF US

Actual BH Location
SandRidge Wells
Perf
Sections

Actual Bottom-Hole Location of Kerstetter 3120 2-25H
Comanche County, Kansas
T&R: 31S 20W
Section: 24, 779' FSL & 2060' FEL
Long Lat:-99.443306 37.325531

1 in = 833 ft

0 625 1,250 2,500 Feet

N

Draftsman: Aaron Birk	Draft Date: 10/11/2012
Drawing Name/Number: Addendum_Kerstetter_3120_2-25H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	