



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1132180
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: _____



1132180

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 3-25H
Doc ID	1132180

All Electric Logs Run

Petrophysical log
mudlog
Boresight
Resistivity
Porosity

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 3-25H
Doc ID	1132180

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9284-9527	4221 bbls water, 36 bbls acid, 75M lbs sd, 4865 TLTR	
5	8984-9226	4217 bbls water, 36 bbls acid, 75M lbs sd, 9286 TLTR	
5	8683-8926	1500 gals 15% HCL Acid, 4628 bbls fresh slickwater, 13693 TLTR	
5	8383-8625	4243 bbls water, 36 bbls acid, 75M lbs sd, 13,693 TLTR	
5	8082-8324	4239 bbls water, 36 bbls acid, 75M lbs sd, 18097 TLTR	
5	7781-8024	4234 bbls water, 36 bbls acid, 75M lbs sd, 26884 TLTR	
5	7481-7723	4229 bbls water, 36 bbls acid, 75M lbs sd, 31216 TLTR	
5	7180-7422	4225 bbls water, 36 bbls acid, 75M lbs sd, 35534 TLTR	
5	6879-7122	4220 bbls water, 36 bbls acid, 75M lbs sd, 39834 TLTR	
5	6579-6821	4215 bbls water, 36 bbls acid, 75M lbs sd, 44121 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 3-25H
Doc ID	1132180

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	6278-6520	4175 bbls water, 36 bbls acid, 75M lbs sd, 48375 TLTR	
5	5977-6220	4170 bbls water, 36 bbls acid, 75M lbs sd, 52610 TLTR	
5	5677-5919	4165 bbls water, 36 bbls acid, 75M lbs sd, 56790 TLTR	
5	5376-5619	4161 bbls water, 36 bbls acid, 75M lbs sd, 61209 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 3-25H
Doc ID	1132180

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	120	Pro Oilfield Services 10 sack grout	14	none
Surface	17.5	13.38	68	365	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	600	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 1	12.25	9.63	36	1000	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	610	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 2	8.75	7	26	5691	50/50 Poz Premium/ Premium	275	4% gel, .4% FL-17, .1% C-51, .1% C-20, .5% C-41P, 1 lb/sk Phenoseal

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 3-25H
Doc ID	1132180

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Production Liner	6.12	4.5	11.6	9633	Schlumberger 50/50 POZ :H	500	47 lb/sk D909, 37 lb/sk D035, 4% D020, .6% D112, .1% D065, .2% D046, 2 lb/sk D042, .22% D013, .2% D079

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

April 09, 2013

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

Re: ACO1
API 15-033-21701-01-00
Kerstetter 3120 3-25H
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



Standard Wellpath Report
Sandridge
Sec 25 - 31S - 20W, Kansas
Comanche County
Wellbore: Kersteetter 3120 3-25H (Actual)

Wellbore

Name	Created	Last Revised
Kersteetter 3120 3-25H (Actual)	13-Mar-2013	8-Apr-2013

Well

Name	Government ID	Last Revised
Kersteetter 3120 3-25H		13-Mar-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Kersteetter 3120 3-25H	235424.0000	1723993.0000	N37 18 33.7400	W99 26 56.3416	171.00N	1488.01E

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Comanche County	1722505.0000	235253.0000	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 25 - 31S - 20W	1722505.0000	235253.0000	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

FINAL surveys MD 9633 is a projection to bit @ TD
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Standard Wellpath Report
Sandridge
Sec 25 - 31S - 20W, Kansas
Comanche County
Wellbore: Kersteetter 3120 3-25H (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	1723993.00	235424.00
1424.00	1.30	298.500	1423.88	7.71N	14.20W	0.09	5.97	1723978.80	235431.71
1882.00	1.10	334.800	1881.78	14.16N	20.63W	0.17	11.62	1723972.37	235438.16
2357.00	1.10	304.200	2356.70	20.85N	26.35W	0.12	17.58	1723966.65	235444.85
2831.00	1.10	325.400	2830.61	27.16N	32.69W	0.09	23.09	1723960.31	235451.16
3306.00	0.80	0.800	3305.55	34.22N	35.24W	0.14	29.80	1723957.76	235458.22
3782.00	1.90	26.900	3781.42	44.58N	31.62W	0.26	40.52	1723961.38	235468.58
3972.00	1.70	37.500	3971.32	49.63N	28.48W	0.20	45.90	1723964.52	235473.63
4067.00	1.40	44.500	4066.29	51.58N	26.81W	0.37	48.03	1723966.19	235475.57
4097.00	1.20	52.700	4096.28	52.03N	26.30W	0.91	48.54	1723966.70	235476.03
4129.00	1.60	62.600	4128.27	52.44N	25.64W	1.46	49.02	1723967.36	235476.44
4161.00	3.30	64.900	4160.24	53.03N	24.41W	5.32	49.76	1723968.59	235477.03
4192.00	5.50	56.700	4191.15	54.23N	22.36W	7.36	51.19	1723970.64	235478.23
4224.00	7.90	56.400	4222.93	56.29N	19.24W	7.50	53.61	1723973.76	235480.28
4255.00	10.60	55.100	4253.52	59.10N	15.13W	8.74	56.88	1723977.87	235483.10
4287.00	11.90	59.300	4284.91	62.46N	9.88W	4.80	60.85	1723983.12	235486.46
4319.00	13.50	62.400	4316.12	65.88N	3.73W	5.43	64.97	1723989.27	235489.88
4350.00	14.20	63.100	4346.22	69.28N	2.87E	2.32	69.13	1723995.87	235493.28
4382.00	16.10	62.700	4377.11	73.09N	10.31E	5.95	73.79	1724003.31	235497.09
4414.00	18.40	62.000	4407.67	77.49N	18.71E	7.22	79.17	1724011.71	235501.49
4445.00	20.70	61.000	4436.88	82.45N	27.83E	7.50	85.17	1724020.83	235506.45
4477.00	23.10	60.200	4466.57	88.31N	38.22E	7.56	92.22	1724031.22	235512.31
4509.00	25.30	58.400	4495.75	95.01N	49.50E	7.25	100.21	1724042.49	235519.01
4540.00	27.40	56.400	4523.53	102.43N	61.08E	7.35	108.96	1724054.08	235526.43
4572.00	29.80	54.300	4551.62	111.15N	73.67E	8.13	119.10	1724066.67	235535.15
4604.00	32.20	53.900	4579.05	120.81N	87.02E	7.53	130.28	1724080.02	235544.81
4635.00	34.30	53.600	4604.98	130.87N	100.73E	6.79	141.89	1724093.73	235554.86
4667.00	36.40	54.000	4631.07	141.80N	115.67E	6.60	154.52	1724108.67	235565.80
4699.00	37.20	54.600	4656.70	152.98N	131.23E	2.74	167.47	1724124.23	235576.98
4730.00	39.60	54.800	4680.99	164.11N	146.95E	7.75	180.38	1724139.95	235588.11
4762.00	42.30	54.300	4705.16	176.27N	164.03E	8.50	194.49	1724157.03	235600.27
4794.00	44.60	53.900	4728.39	189.18N	181.85E	7.24	209.41	1724174.85	235613.18
4825.00	47.10	52.500	4749.98	202.51N	199.66E	8.69	224.76	1724192.66	235626.50
4857.00	49.60	50.900	4771.24	217.33N	218.42E	8.66	241.70	1724211.42	235641.33
4889.00	50.00	49.600	4791.90	232.96N	237.21E	3.35	259.45	1724230.21	235656.95
4920.00	49.70	49.000	4811.89	248.41N	255.17E	1.77	276.92	1724248.17	235672.41
4952.00	49.60	48.800	4832.61	264.44N	273.55E	0.72	295.02	1724266.55	235688.44
4984.00	49.10	48.100	4853.45	280.54N	291.72E	2.28	313.16	1724284.72	235704.54
5015.00	48.70	47.200	4873.83	296.28N	308.98E	2.54	330.84	1724301.98	235720.28
5047.00	49.30	47.000	4894.83	312.72N	326.67E	1.93	349.26	1724319.67	235736.72
5078.00	50.70	46.400	4914.75	329.01N	343.96E	4.75	367.48	1724336.95	235753.00
5110.00	53.20	45.600	4934.47	346.51N	362.08E	8.06	387.01	1724355.07	235770.51
5142.00	55.50	43.200	4953.12	365.09N	380.26E	9.42	407.62	1724373.26	235789.09
5174.00	57.20	41.700	4970.86	384.75N	398.24E	6.59	429.27	1724391.23	235808.74
5205.00	58.60	39.800	4987.33	404.64N	415.38E	6.88	451.06	1724408.37	235828.64
5237.00	59.60	36.000	5003.77	426.30N	432.23E	10.66	474.57	1724425.23	235850.30
5268.00	61.20	33.000	5019.08	448.52N	447.49E	9.87	498.43	1724440.49	235872.51
5300.00	62.60	31.600	5034.15	472.38N	462.57E	5.83	523.91	1724455.57	235896.37
5332.00	64.50	30.500	5048.41	496.92N	477.35E	6.69	550.04	1724470.34	235920.92
5363.00	66.90	29.300	5061.16	521.41N	491.43E	8.51	576.03	1724484.42	235945.41
5395.00	69.00	27.600	5073.18	547.49N	505.55E	8.20	603.59	1724498.55	235971.48
5426.00	70.90	25.800	5083.81	573.50N	518.64E	8.20	630.98	1724511.63	235997.50
5458.00	72.50	23.600	5093.85	601.10N	531.33E	8.22	659.89	1724524.32	236025.10
5490.00	74.10	20.900	5103.05	629.47N	542.93E	9.50	689.43	1724535.92	236053.46
5521.00	77.40	18.500	5110.68	657.75N	553.05E	13.02	718.71	1724546.04	236081.75
5553.00	79.90	15.600	5116.98	687.74N	562.24E	11.83	749.58	1724555.24	236111.74
5585.00	81.90	12.600	5122.04	718.38N	569.94E	11.17	780.92	1724562.93	236142.38
5616.00	84.00	9.300	5125.85	748.58N	575.78E	12.55	811.60	1724568.77	236172.58
5740.00	87.60	3.300	5134.94	871.43N	589.33E	5.63	935.18	1724582.32	236295.42
5832.00	89.40	0.800	5137.34	963.33N	592.61E	3.35	1026.82	1724585.61	236387.32
5924.00	89.80	1.000	5137.99	1055.31N	594.06E	0.49	1118.33	1724587.05	236479.30
6016.00	91.40	0.200	5137.02	1147.30N	595.02E	1.94	1209.78	1724588.02	236571.29
6106.00	90.60	358.000	5135.45	1237.27N	593.61E	2.60	1298.95	1724586.60	236661.26
6198.00	89.10	357.600	5135.69	1329.20N	590.08E	1.69	1389.81	1724583.07	236753.18
6289.00	92.30	359.100	5134.58	1420.14N	587.46E	3.88	1479.80	1724580.45	236844.12
6381.00	92.60	359.200	5130.65	1512.04N	586.09E	0.34	1570.89	1724579.09	236936.03
6474.00	92.00	358.900	5126.92	1604.96N	584.55E	0.72	1662.96	1724577.55	237028.94
6567.00	89.00	357.400	5126.11	1697.89N	581.55E	3.61	1754.89	1724574.55	237121.87
6659.00	91.00	0.200	5126.11	1789.86N	579.63E	3.74	1845.97	1724572.62	237213.84
6751.00	90.80	0.200	5124.66	1881.84N	579.95E	0.22	1937.35	1724572.94	237305.83

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Kersteetter 3120 3-25H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 6.810 degrees
Bottom hole distance is 4794.19 Feet on azimuth 6.64 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 8-Apr-2013



Standard Wellpath Report
 Sandridge
 Sec 25 - 31S - 20W, Kansas
 Comanche County
 Wellbore: Kersteetter 3120 3-25H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6844.00	91.50	2.200	5122.79	1974.80N	581.89E	2.28	2029.88	1724574.89	237398.78
6937.00	89.00	0.200	5122.39	2067.77N	583.84E	3.44	2122.42	1724576.83	237491.75
7030.00	89.40	0.700	5123.69	2160.75N	584.57E	0.69	2214.84	1724577.57	237584.73
7122.00	91.10	2.500	5123.28	2252.71N	587.14E	2.69	2306.45	1724580.13	237676.69
7213.00	89.50	0.200	5122.81	2343.68N	589.28E	3.08	2397.03	1724582.28	237767.65
7305.00	89.10	358.800	5123.93	2435.66N	588.48E	1.58	2488.27	1724581.47	237859.64
7395.00	86.50	358.200	5127.39	2525.56N	586.13E	2.96	2577.25	1724579.12	237949.53
7487.00	86.90	357.500	5132.68	2617.34N	582.68E	0.88	2667.98	1724575.68	238041.31
7579.00	90.70	357.400	5134.61	2709.21N	578.59E	4.13	2758.72	1724571.58	238133.18
7674.00	90.90	357.000	5133.28	2804.09N	573.95E	0.47	2852.37	1724566.94	238228.06
7794.00	92.10	357.800	5130.14	2923.92N	568.51E	1.20	2970.71	1724561.50	238347.89
7889.00	92.10	358.200	5126.66	3018.80N	565.19E	0.42	3064.53	1724558.19	238442.77
7984.00	92.00	358.800	5123.26	3113.70N	562.71E	0.64	3158.47	1724555.70	238537.67
8079.00	92.30	359.100	5119.70	3208.62N	560.97E	0.45	3252.51	1724553.96	238632.59
8174.00	92.10	359.300	5116.05	3303.54N	559.64E	0.30	3346.60	1724552.64	238727.51
8269.00	91.20	1.600	5113.32	3398.49N	560.39E	2.60	3440.97	1724553.38	238822.46
8364.00	90.10	1.300	5112.24	3493.45N	562.79E	1.20	3535.55	1724555.79	238917.42
8459.00	91.90	0.500	5110.58	3588.42N	564.29E	2.07	3630.02	1724557.28	239012.39
8553.00	91.30	0.700	5107.96	3682.38N	565.27E	0.67	3723.43	1724558.26	239106.34
8648.00	90.10	0.500	5106.79	3777.37N	566.26E	1.28	3817.87	1724559.26	239201.33
8743.00	90.10	359.600	5106.63	3872.37N	566.35E	0.95	3912.21	1724559.34	239296.33
8838.00	87.60	358.400	5108.54	3967.32N	564.69E	2.92	4006.30	1724557.68	239391.28
8933.00	89.70	359.000	5110.77	4062.27N	562.54E	2.30	4100.31	1724555.53	239486.23
9028.00	90.80	359.300	5110.36	4157.25N	561.13E	1.20	4194.46	1724554.12	239581.21
9123.00	92.10	359.900	5107.96	4252.22N	560.46E	1.51	4288.68	1724553.46	239676.18
9218.00	91.90	360.000	5104.64	4347.16N	560.38E	0.24	4382.94	1724553.38	239771.12
9313.00	90.30	358.800	5102.82	4442.13N	559.39E	2.11	4477.12	1724552.38	239866.09
9408.00	90.70	359.200	5101.99	4537.11N	557.73E	0.60	4571.24	1724550.72	239961.07
9503.00	91.40	359.200	5100.25	4632.09N	556.40E	0.74	4665.39	1724549.40	240056.04
9584.00	92.50	359.300	5097.49	4713.03N	555.34E	1.36	4745.63	1724548.34	240136.99
9633.00	92.50	359.300	5095.35	4761.98N	554.74E	==>	4794.17	1724547.74	240185.94

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Kersteetter 3120 3-25H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 6.810 degrees
 Bottom hole distance is 4794.19 Feet on azimuth 6.64 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 8-Apr-2013



Standard Wellpath Report
Sandridge
Sec 25 - 31S - 20W, Kansas
Comanche County
Wellbore: Kersteetter 3120 3-25H (Actual)

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Kersteetter 3120 3-25H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 6.810 degrees
Bottom hole distance is 4794.19 Feet on azimuth 6.64 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 8-Apr-2013

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/21/2013
Job End Date:	4/23/2013
State:	Kansas
County:	Comanche
API Number:	15-033-21701-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Kerstetter 3120 3-25H
Longitude:	-99.44890000
Latitude:	37.30930000
Datum:	NAD27
Federal/Tribal Well:	NO
Total Base Water Volume (gal):	2,526,070
Total Base Non Water Volume:	



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Sandridge Energy Corp	Carrier / Base Fluid	Carrier / Base Fluid - Water	7732-18-5	100.00000	94.30660	
40/70 Premium	WFT	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	100.00000	4.70695	
15% HCL	WFT	Acid	Hydrochloric Acid	7647-01-0	15.00000	0.12743	
WNE-363L	WFT	Surfactant	Ethylene/Propylene Oxide Polymer	9003-11-6	30.00000	0.01349	
			Dodecylbenzenesulfonic acid, monoethanolamine salt	26836-07-7	15.00000	0.00674	
			2-Ethylhexanol	104-76-7	7.00000	0.00315	
			Poly(oxy-1,2-ethanediyl), a-isotridecyl-w-hydroxy-	9043-30-5	5.00000	0.00225	
WSI-671L	WFT	Inhibitor	Ammonium Chloride	12125-02-9	20.00000	0.00563	
WAI-251LC	WFT	Inhibitor	Ethylene Glycol	111-76-2	40.00000		
			1-Octanol	111-87-5	5.00000		
			2-Butoxyethanol	111-76-2	10.00000		
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	10.00000		

		Ethoxylated Nonylphenol	68412-54-4	5.00000	
		1-Decanol	112-30-1	5.00000	
		Isopropyl Alcohol	67-63-0	5.00000	
		N,N-Dimethylformamide	68-12-2	20.00000	
		Triethylphosphate	78-40-0	5.00000	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.					
		Other Chemicals			
		Proprietary Ingredient	Proprietary		0.05105
		Anionic water soluble polymer	Proprietary		0.01915
		Amines, polyethylenepoly-, ethoxylated, phosphonomethylated	68966-36-9		0.01126
		Acetaldehyde	75-07-0		
		Cinnamaldehyde	104-55-2		
		Dioxane	123-91-1		
		Ethylene Oxide	75-21-8		

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



Division : 0701
 Delivery Ticket : 4583
 Delivery Date : 3/21/2013
 Office : 12/1/1901

P.O. BOX 3660
 HOUMA, LA 70361-3660

Customer : SAN400

Ordered By :
 Lease/Well : KERSTETTER 3120 3-25H
 Rig Name/Number : LARIAT 45
 AFE Number :
 Site Contact :
 :
 :
 :

BILL TO : SANDRIDGE ENERGY
 123 ROBERT S KERR AVENUE
 OKLAHOMA CITY, OK 73102-6406
 PHONE: (405) 753-5500 FAX: ()

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	KERSTETTER 3120 3-25H	\$21,250.00	\$0.00	\$21,250.00	3/15/2013 3/15/2013	\$21,250.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
77	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
77	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
14	CEMENT 10 SACK GROUT	\$0.00	\$0.00	\$0.00	3/15/2013 3/15/2013	
Sub Total:		\$21,250.00	\$0.00			\$21,250.00

Print Name

Signature

JOB SUMMARY			PROJECT NUMBER SOK 2531	TICKET DATE 03/23/13
COUNTY Commanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Tommy Whitlow	
EASE NAME Kerstetter 3120	Well No. 3-25H	JOB TYPE Surface	EMPLOYEE NAME Brett Armer & John Hall	

EMP NAME Brett Armer	John Hall				
Bryan Douglas					
Joseph Klemm					
Rocky Anthis					

Form. Name _____ Type: _____
 Packer Type _____ Set At 0
 Bottom Hole Temp. 80 Pressure _____
 Retainer Depth _____ Total Depth 366'

Date	Called Out 3/21/2013	On Location 3/21/2013	Job Started 3/21/2013	Job Completed 3/23/2013
Time	0700	1300	2250	1400

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
Casing		68.0	13	3/8	Surface	366
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			17	1/2"	Surface	366
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials				
	WBM	Density		Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	resh 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	
Perfpac Balls	Qty.			
Other				
Other				
Other				
Other				

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
3/21		3/23		Surface
Total	0.0	Total	0.0	

Pressures		
MAX	1,500 PSI	AVG.
Average Rates in BPM		
MAX	6 BPM	AVG.
Cement Left in Pipe		
Feet	37	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	160	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	340	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	*14.8

Summary					
Preflush Breakdown	<u>10.00</u>	Type: <u>Fresh Water</u>	Preflush: BBI	<u>10.00</u>	Type: <u>Fresh Water</u>
		MAXIMUM <u>1,500 PSI</u>	Load & Bkdn: Gal - BBI	<u>N/A</u>	Pad:Bbl -Gal <u>N/A</u>
		Lost Returns-N <u>NO/FULL</u>	Excess /Return BBI		Calc.Disp Bbl
		Actual TOC <u>SURFACE</u>	Calc. TOC:	<u>SURFACE</u>	Actual Disp. <u></u>
Average		Bump Plug PSI:	Final Circ. PSI:		Disp:Bbl <u></u>
S:P <u>5 Min.</u>		10 Min <u>15 Min</u>	Cement Slurry: BBI	<u>456.0</u>	
			Total Volume BBI	<u>466.00</u>	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY

PROJECT NUMBER SOK 2544			TICKET DATE 03/25/13		
COUNTY Commanche		State Kansas		COMPANY Bridg Exploration & Produc	
LEASE NAME Kerstetter 3120			Well No. 3-25H		JOB TYPE Surface
CUSTOMER REP Tommy Whitlow				EMPLOYEE NAME Johnny Breeze	

EMP NAME Johnny Breeze	Roy Morris				
Dustin Odom					
Bryan Douglas					
Flo Helkena					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000

Date	Called Out	On Location	Job Started	Job Completed
	3/24/2013	3/24/2013	3/25/2013	3/25/2013
Time	1200	1700	0630	0830

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
Casing		36#	9 5/8"		Surface	1,006
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	1,000
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	resh Water	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		Operating Hours		Description of Job
Date	Hours	Date	Hours	
3/24	7.0	3/25	4.0	Surface
3/25	8.5			
Total	15.5	Total	4.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

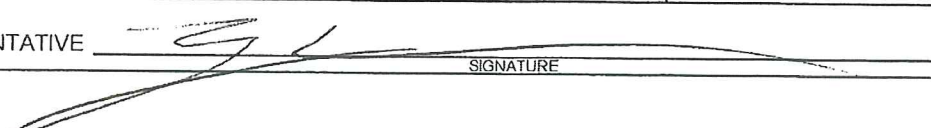
Other _____

Pressures			
MAX	1,500 PSI	AVG	250
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	300	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P			
2	110	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	10.88	1.84	12.70
3	*200	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

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 N/A
		Actual TOC	SURFACE	Excess /Return	BBI	30	Calc. Disp Bbl 74
Average	Bump Plug PSI:	940	Final Circ.	PSI:	400	SURFACE	Actual Disp. 74.38
ISIP 5 Min.	10 Min	15 Min	Cement Slurry:	BBI	124.2	Disp:Bbl	
			Total Volume	BBI	208.55		

CUSTOMER REPRESENTATIVE



SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 2565	TICKET DATE 04/01/13
COUNTY Commanche	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Tommy Whitlow	
LEASE NAME Kerstetter 3120	Well No. 3-25H	JOB TYPE Intermediate	EMPLOYEE NAME John Hall	

EMP NAME					
John Hall		0			
Bryan Douglas					
Rocky Anthis					
Joseph Klemm					

Form. Name _____ Type: _____
 Packer Type _____ Set At 4,131'
 Bottom Hole Temp. 155 Pressure _____
 Retainer Depth _____ Total Depth 5,647'

	Called Out	On Location	Job Started	Job Completed
Date	4/1/2013	4/1/2013	4/1/2013	4/1/2013
Time	800	1200	1500	1700

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
Casing		26#	7"	Surface	
Liner					
Liner					
Tubing			0		
Drill Pipe					
Open Hole			8 3/4"	Surface	5,677'
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	20
Spacer type	Caustic	BBL	10
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	
4/1	5.0	4/1	2.0	Intermediate
Total	5.0	Total	2.0	

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

Pressures	
MAX	5,000 PSI
AVG.	
Average Rates in BPM	
MAX	8 BPM
AVG	
Cement Left in Pipe	
Feet	90
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	175	50/50 POZ PREMIUM	4% Gel - 0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.5% C-41P - 1 lb/sk Phenos	6.77	1.44	13.60
2	100	Premium	0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	<u>10</u>	Type: Caustic	Preflush: BBI	<u>30.00</u>	Type: Fresh Water
Breakdown		MAXIMUM	Load & Bkdn: Gal - BBI	<u>N/A</u>	Pad:Bbl -Gal <u>N/A</u>
		Lost Returns-N	Excess /Return BBI	<u>N/A</u>	Calc. Disp Bbl <u>215</u>
		Actual TOC	Calc. TOC:	<u>4.131</u>	Actual Disp. <u>214.50</u>
Average		Bump Plug PSI:	Final Circ. PSI:	<u>1.000</u>	Disp:Bbl <u>214.50</u>
ISIP	5 Min.	10 Min	Cement Slurry: BBI	<u>55.8</u>	
		15 Min	Total Volume BBI	<u>310.30</u>	

CUSTOMER REPRESENTATIVE Bill Jordan SIGNATURE



Service Order for i-District Job 961078

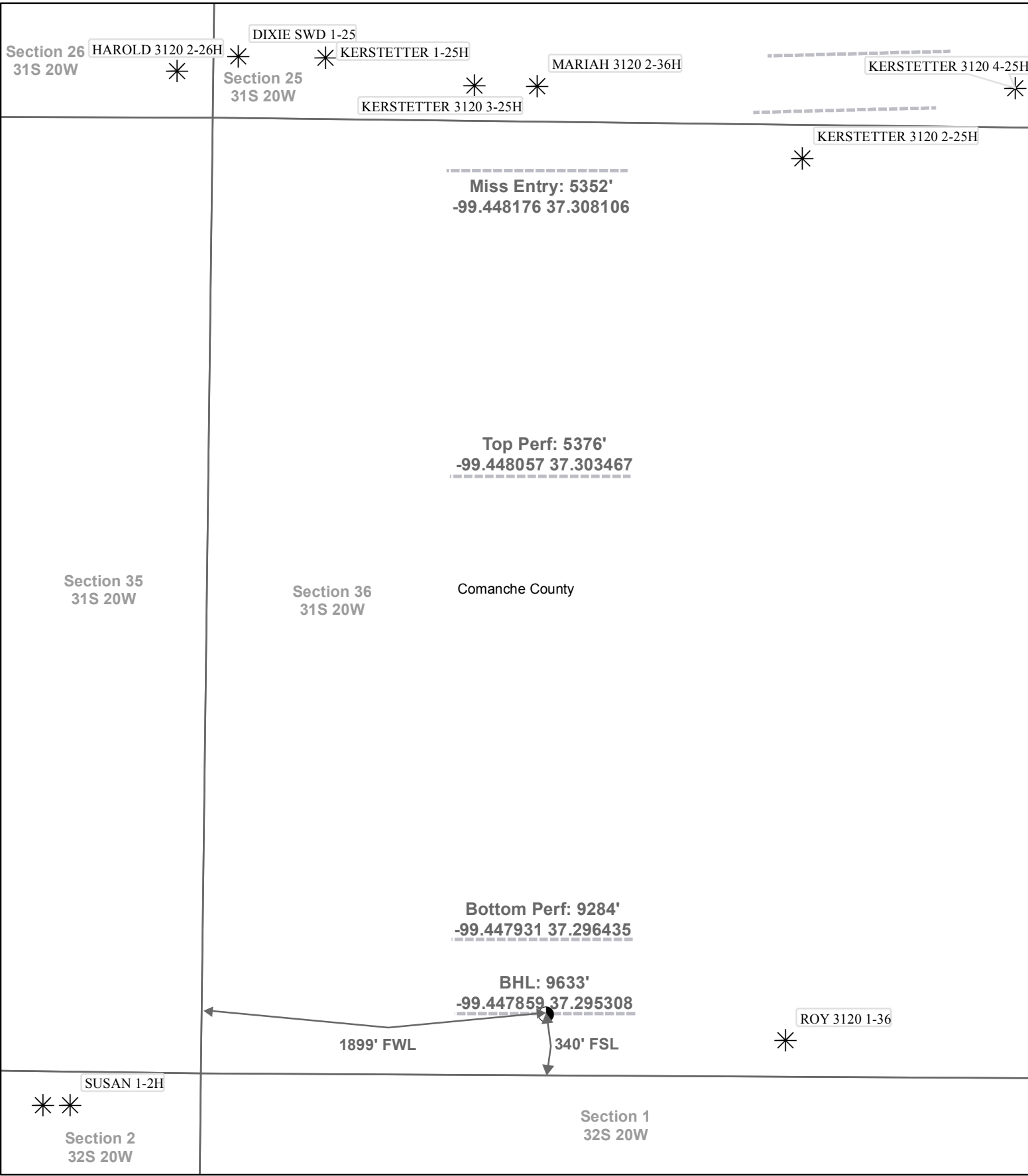
Customer Name: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING O	Person Taking Call:	Location: El Reno, OK WS	Order Date: 01-Apr-13 11:59	Job Number: 961078		
Service Order Number:	Service Line: Cementing El Reno	Supervisor:	Legal Location:			
Well Name and Number: KERSTETTER -3120-, 3-25 H	Pad/Platform:	Field:	County: Comanche	State/Prov: KS		
Well Master Number: 0631455281	API/UWI: 15033217010100	Rig Name: LATSHAW DRILLING #45	Well Age: New	Sales Engineer: Meshall Thomas		
Job Type: Cementing El Reno – Liner	Time Well Ready:	Deviation: 90 deg	Hole Size: 6.125 in	Well MD: 9633 ft		
Well TVD: 5101 ft	BHP:	BHST:	BHCT:	Treat Down: None		
Packer Type:	Packer Depth:	Min/Max Densities: Slurry: 13.4/13.8 ppg	HHP on Location:	Max Allowed Pressure: 5000 psi		
Max Allowed Ann Pressure:		Job Stage Description: 4 1/2" Liner	FTL Ticket/Quote Number : CDL7-00161			
Casing/Tubing						
String Type	Depth	Size	Weight	Grade	Thread	
Casing	9633 ft	4.5 in	11.6 lb/ft	N-80	LTC	
Service Instructions: Provide equipment, materials, services and personnel to safely cement 4 1/2" Liner per client specifications. Pump 30 bbl gel water, 500 sks Single System slurry @13.6ppg, drop dart and displace per client request.						
Client Contact						
Name	Voice	Fax	Email	Title	Company	Notes
Bill Torbett	481-617-4471					
Notes: TOC: 4034' -- volumes based on 6.125" + 40% XS Equipment: 1 pump, x ABTs, wash up hoses, water hoses, air hoses and mud hoses (contingency), D047, D110, B306 Check numbers with Co rep GET FIELD TICKET STAMPED if applicable						
Directions: From Alva Okla go north on Hwy 281 38.0 miles turn west on Hwy 160 40.0 miles to Coldwater Ks. Turn north on hwy 183 2.2 miles turn west on Ave F 6.6 miles turn north into location						

Materials			
Name	Description	Quantity	Density
Gel Water	30 bbls gel water	30.00 bbl	8.33 lb/gal
Single System Slurry	500 sks 50:50 Poz:H + adds	725.00 ft3	13.60 lb/gal

Fluid Systems:

Gel Water				
30 bbls gel water				
<i>Volume:</i>		30.00 bbl	<i>Final Fluid Density:</i> 8.33 lb/gal	
Code	Conc	Design	Total	Load out with excess
B306	0.200 gal/bbl	BVOWashVO	6.00 gal	6.00 gal

Single System Slurry				
500 sks 50:50 Poz:H + adds				
<i>Sacks Of:</i>		Blend	<i>Total Blend/Cem:</i> 42,000.00 lb	
<i>Sack Weight:</i>		84.00 lb	<i>Sacks Blend/Cem:</i> 500.00 sks	
<i>Yield:</i>		1.45 ft3/sk	<i>Final Fluid Density:</i> 13.60 lb/gal	
<i>Mix Water:</i>		6.91 gal/sk	<i>Base Fluid Den:</i>	
Code	Conc	Design	Total	Load out with excess
D909	47.000 lb/sk	WTSK	23,500.00 lb	23,500.00 lb
D035	37.000 lb/sk	WTSK	18,500.00 lb	18,500.00 lb
D020	4.000 %	BWOB	1,680.00 lb	1,680.00 lb
D112	0.600 %	BWOB	252.00 lb	252.00 lb
D065	0.100 %	BWOB	42.00 lb	42.00 lb
D046	0.200 %	BWOB	84.00 lb	84.00 lb
D042	2.000 lb/sk	WTSK	1,000.00 lb	1,000.00 lb
D013	0.220 %	BWOB	92.40 lb	92.40 lb
D079	0.200 %	BWOB	84.00 lb	84.00 lb



SANDRIDGE
THE POWER OF US™

Actual Bottom-Hole Location of Kerstetter 3120 3-25H
Comanche County, Kansas
T&R: 31S 20W
Section: 36, 1899' FWL & 340' FSL
-99.447859 37.295308

1 in = 703 ft

0 500 1,000 2,000 Feet

● Actual BH Location
* SandRidge Wells
--- Perf
□ Sections

Draftsman: Aaron Birk	Draft Date: 7/2/2013
Drawing Name/Number: Addendum_Kerstetter 3120 3-25H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	