Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1136537

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

4/2/2013	4/22/2013	5/15/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21704-01-00
Spot Description:
SE - SW - SE - SE Sec. 25 Twp. 31 S. R. 20 ☐ East ☑ West
200 Feet from ☐ North / ☑ South Line of Section
810 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 #: 4-25H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2070 Kelly Bushing: 2091
Total Vertical Depth: 9544 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 990 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: 18000 ppm Fluid volume: 9999 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Lojo Disposal
Lease Name: unnamed License #: 99999
Quarter SW Sec. 10 Twp. 26 S. R. 15 ☐ East ☑ West
County: Woods, OK Permit #: 563714

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: 07/29/2013
☑ **Confidential Release Date:** 07/29/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/29/2013

1136537

Operator Name: SandRidge Exploration and Production LLC Lease Name: Kerstetter 3120 Well #: 4-25H

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	4245	
Lansing	4418	
Cherokee	5018	
Mississippian Lime	5120	

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. 6/15/2013

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 4-25H
Doc ID	1136537

All Electric Logs Run

Prizm Analysis
Horizontal Final
Vertical Final
Final Boresight
Density

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 4-25H
Doc ID	1136537

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9098-9375	5233 bbls water, 36 bbls acid, 100M lbs sd, 5063 TLTR	
5	8660-8978	5227 bbls water, 36 bbls acid, 100M lbs sd, 10480 TLTR	
5	8328-8604	5221 bbls water, 36 bbls acid, 100M lbs sd, 15888 TLTR	
5	7998-8270	5216 bbls water, 36 bbls acid, 100M lbs sd, 21529 TLTR	
5	7544-7858	5209 bbls water, 36 bbls acid, 100M lbs sd, 26940 TLTR	
5	7183-7500	5204 bbls water, 36 bbls acid, 100M lbs sd, 32360 TLTR	
5	6883-7130	5199 bbls water, 36 bbls acid, 100M lbs sd, 37673 TLTR	
5	6433-6745	5192 bbls water, 36 bbls acid, 100M lbs sd, 42961 TLTR	
5	6160-6390	5188 bbls water, 36 bbls acid, 100M lbs sd, 48302 TLTR	
5	5714-6054	5181 bbls water, 36 bbls acid, 100M lbs sd, 53595 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 4-25H
Doc ID	1136537

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5350-5648	5175 bbls water, 36 bbls acid, 100M lbs sd, 58865 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kerstetter 3120 4-25H
Doc ID	1136537

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	13	none
Surface	12.25	9.63	36	990	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	450	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5615	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 4-25H
Doc ID	1136537

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	9544	Schlumberger 50/50 Poz: H	490	D909 47 lb/sk, D035 37 lb/sk, D020 4%, D112 .6%, D065 .1!, D046 .2%, D042 2 lb/sk, D013 .22%, D079 .2%

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/

April 24, 2013

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

Re: ACO1
API 15-033-21704-01-00
Kerstetter 3120 4-25H
SE/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

DIRECTIONAL & HORIZONTAL

: Kerstetter 3120 4-25H

MO	5	CL	31	DDL	7	ATS	30	TARGET AZ	Zero VS TARGET INC EOC TVD 2.53

ro	DEPTH	INC	AZMUTH	TVD	V.SEC	N/-S	E/-W	DGLG
				0.00	0.00	0.00	0.00	0.00
1	1237	1.60	267.60	1236.84	-1.48	-0.72	-17.25	0.13
2	1423	2.00	272.60	1422.75	-1.70	-0.68	-23.09	0.23
3	1881	1.10	276.70	1880.58	-1.37	0.19	-35.44	0.20
4	2356	1.10	298.00	2355.49	0.92	2.87	-43.99	0.09
5	2830	1.00	314.10	2829.41	5.63	7.88	-50.98	0.07
6	3305	0.70	314.70	3304.36	10.32	12.81	-56.02	0.06
7	3788	0.90	24.30	3787.32	15.83	18.34	-56.55	0.19
8	4223	0.80	337.80	4222.28	21.76	24.27	-56.29	0.16
9	4262	1.02	0.67	4261.27	22.36	24.87	-56.39	1.08
0	4293	2.61	11.96	4292.26	23.33	25.84	-56.24	5.23
1	4325	5.08	19.98	4324.18	25.40	27.88	-55.60	7.88
2	4357	7.11	26.68	4356.00	28.56	30.98	-54.23	6.71
3	4388	8.22	27.47	4386.72	32.32	34.67	-52.34	3.60
4	4420	9.59	23.77	4418.34	36.88	39.14	-50.21	4.64
5	4452	11.62	20.95	4449.79	42.43	44.59	-47.99	6.55

DIRECTIONAL & HORIZONTAL

:	Kerstetter 3120 4-25H					ATS		Zero VS TARGET INC EOC TVD
MO	5	CL	31	DDL	7	30	TARGET AZ	2.53

	DEPTH	INC	AZMUTH	TVD	V.SEC	N/-S	E/-W	DGLG
6	4483	14.01	19.59	4480.01	48.98	51.04	-45.61	7.77
7	4515	16.62	19.59	4510.88	57.06	59.00	-42.78	8.16
8	4547	19.31	20.29	4541.31	66.48	68.28	-39.40	8.43
9	4578	22.01	21.17	4570.32	76.86	78.51	-35.53	8.77
0	4610	23.82	23.55	4599.79	88.58	90.02	-30.78	6.35
1	4642	24.48	24.65	4628.99	100.75	101.98	-25.43	2.50
2	4673	26.38	24.17	4656.98	113.11	114.10	-19.93	6.17
3	4705	28.59	24.65	4685.37	126.81	127.55	-13.82	6.94
4	4737	30.71	24.96	4713.18	141.46	141.92	-7.18	6.64
5	4768	32.92	24.26	4739.52	156.61	156.77	-0.38	7.23
6	4800	35.00	23.07	4766.06	173.28	173.15	6.79	6.82
7	4832	37.12	21.09	4791.93	191.03	190.60	13.87	7.56
8	4863	39.28	18.66	4816.29	209.33	208.63	20.37	8.49
9	4895	41.80	17.69	4840.61	229.36	228.40	26.86	8.12
0	4926	44.19	17.47	4863.28	249.77	248.55	33.24	7.73
1	4958	47.28	16.85	4885.61	271.95	270.44	40.00	9.76
2	4990	49.98	17.78	4906.76	295.16	293.37	47.15	8.72
3	5021	50.29	18.66	4926.63	318.07	315.97	54.59	2.40
4	5053	50.69	17.78	4946.99	341.84	339.42	62.31	2.46
5	5085	50.51	18.18	4967.30	365.67	362.94	69.95	1.12
6	5116	50.51	18.09	4987.02	388.72	385.68	77.39	0.23
7	5148	50.91	17.25	5007.28	412.63	409.28	84.91	2.39
8	5180	50.20	18.09	5027.61	436.48	432.82	92.41	3.01
9	5211	51.48	16.77	5047.19	459.71	455.76	99.61	5.29
0	5243	53.20	16.59	5066.74	484.27	480.02	106.88	5.39
1	5275	55.41	14.87	5085.41	509.57	505.04	113.92	8.17
2	5306	58.20	14.08	5102.38	534.95	530.15	120.40	9.25
3	5338	61.38	13.37	5118.48	562.08	557.02	126.96	10.12
4	5370	64.60	12.54	5133.01	590.11	584.80	133.35	10.33
5	5401	68.18	12.18	5145.42	618.10	612.54	139.43	11.60
6	5433	71.72	11.17	5156.39	647.77	641.98	145.51	11.45
7	5465	76.32	9.67	5165.20	678.24	672.22	151.07	15.07
8	5496	80.12	8.35	5171.53	708.39	702.19	155.82	12.95
9	5528	83.78	7.07	5176.01	739.94	733.59	160.07	12.10
0	5559	86.39	6.59	5178.66	770.73	764.25	163.74	8.56
1	5587	87.80	7.69	5180.08	798.61	792.00	167.22	6.38
2	5640	89.09	7.07	5181.52	851.40	844.54	174.02	2.70
3	5733	88.91	4.28	5183.14	944.24	937.06	183.22	3.01
4	5825	89.79	3.05	5184.19	1036.21	1028.87	189.10	1.64

DIRECTIONAL & HORIZONTAL

:	Kerstetter 3120 4-25H					ATS		Zero VS TARGET INC EOC TVD
MO	5	CL	31	DDL	7	30	TARGET AZ	2.53

	DEPTH	INC	AZMUTH	TVD	V.SEC	N/-S	E/-W	DGLG
5	5917	90.28	4.68	5184.13	1128.18	1120.65	195.30	1.85
6	6007	90.99	2.96	5183.13	1218.15	1210.45	201.30	2.07
7	6098	91.78	1.99	5180.94	1309.12	1301.33	205.23	1.38
8	6190	91.69	359.96	5178.15	1401.04	1393.27	206.79	2.21
9	6281	90.41	358.69	5176.48	1491.88	1484.25	205.72	1.98
0	6373	90.01	358.86	5176.14	1583.69	1576.23	203.76	0.47
1	6465	90.41	0.98	5175.81	1675.59	1668.22	203.63	2.35
2	6558	91.38	2.39	5174.35	1768.56	1761.17	206.36	1.84

DIRECTIONAL & HORIZONTAL

: Kerstetter 3120 4-25H

MO 5 CL 31 DDL 7 ATS 30 TARGET AZ Zero VS TARGET INC EOC TVD 2.53

	DEPTH	INC	AZMUTH	TVD	V.SEC	N/-S	E/-W	DGLG
3	6650	89.40	1.29	5173.73	1860.55	1853.11	209.32	2.46
4	6742	89.79	1.37	5174.38	1952.53	1945.09	211.46	0.43
5	6834	91.78	2.08	5173.12	2044.51	2037.03	214.23	2.30
6	6925	91.38	1.86	5170.61	2135.47	2127.95	217.35	0.50
7	7017	89.88	1.15	5169.60	2227.45	2219.91	219.77	1.80
8	7109	87.41	359.17	5171.77	2319.33	2311.87	220.03	3.44
9	7204	87.10	359.08	5176.32	2414.05	2406.75	218.58	0.34
0	7299	88.38	359.39	5180.07	2508.82	2501.67	217.32	1.39
1	7394	88.51	359.08	5182.65	2603.63	2596.62	216.05	0.35
2	7489	90.50	358.86	5183.47	2698.44	2691.60	214.34	2.11
3	7583	90.50	359.57	5182.65	2792.28	2785.59	213.05	0.76
4	7678	90.01	359.17	5182.22	2887.14	2880.58	212.01	0.67
5	7773	90.81	358.95	5181.54	2981.96	2975.57	210.45	0.87
6	7868	90.81	359.17	5180.20	3076.78	3070.55	208.90	0.23
7	7963	90.81	359.26	5178.86	3171.61	3165.53	207.60	0.10
8	8058	91.30	359.26	5177.11	3266.44	3260.51	206.37	0.52
9	8153	91.69	358.77	5174.63	3361.23	3355.46	204.74	0.66
0	8248	92.00	358.69	5171.57	3455.97	3450.39	202.64	0.34
1	8343	92.18	359.57	5168.11	3550.74	3545.32	201.19	0.95
2	8438	91.91	359.96	5164.72	3645.57	3640.25	200.81	0.50
3	8533	90.99	0.36	5162.31	3740.46	3735.22	201.07	1.06
4	8628	90.19	1.86	5161.34	3835.42	3830.20	202.91	1.79
5	8723	90.28	1.86	5160.95	3930.42	3925.15	206.00	0.10
6	8818	87.10	0.58	5163.12	4025.35	4020.09	208.02	3.61
7	8913	87.19	359.88	5167.85	4120.16	4114.97	208.40	0.74
8	9008	87.89	359.26	5171.93	4214.95	4209.88	207.69	0.98
9	9103	89.40	359.88	5174.17	4309.79	4304.85	206.98	1.72
0	9198	90.50	0.76	5174.26	4404.72	4399.85	207.51	1.48
1	9293	91.60	0.58	5172.52	4499.65	4494.82	208.62	1.17
2	9388	90.90	0.05	5170.44	4594.56	4589.80	209.15	0.93
3	9491	90.01	0.36	5169.63	4697.47	4692.79	209.52	0.92
4	9544	90.01	0.36	5169.62	4750.43	4745.79	209.85	0.00
5	PTB							
6								
7								
8								
TB								

(Carl & Lawrence)

PRO OILFIELD SERVICES, LLC

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

Customer : SAN400

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

Division : 0701
Delivery Ticket : 4793
Delivery Date : 4/11/2013
Office : 12/1/1901

Ordered By :
Lease/Well : KERSTETTER 3120 4-25H
Rig Name/Number : LARIAT #8 45
AFE Number :
Site Contact :
:
:
:

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	KERSTETTER 3120 4-25H	$21,250.00	$0.00	$21,250.00	4/5/2013 4/5/2013	$21,250.00
120	DRILLED 30" CONDUCTOR HOLE	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
75	16" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
1	WELDING SERVICES FOR PIPE & LIDS	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
13	CEMENT 10 SACK GROUT	$0.00	$0.00	$0.00	4/5/2013 4/5/2013	
	Sub Total:	$21,250.00	$0.00			$21,250.00

AFE Number: DC 12772
Well Name: Kerstetter 3120-4-25H
Code: 850.010
Amount: 21,250.00
Co. Man:
Co. Man Sig:
Notes:

Print Name

Signature

4/11/2013 4:50:29 PM

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2588	04/13/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Tommy Whitlow

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Kerstetter	120 4-25	Surface	John Hall

EMP NAME							
John Hall		0					
Bryan Douglas							
Rocky Anthis							
Joseph Klemm							

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	4/13/2013	4/13/2013	4/13/2013	4/14/2013
Time	1200	1600	2330	100

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		36#	9 5/8	Surface		5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4	Surface	990	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		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
4/13	9.0
Total	9.0

Operating Hours

Date	Hours
4/13	1.0
4/14	1.0
Total	2.0

Description of Job

Surface

Pressures

MAX 1500 AVG.

Average Rates in BPM

MAX 6 BPM AVG

Cement Left in Pipe

Feet 44 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	150	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1000 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 73
		Actual TOC	Surface	Calc. TOC:		Surface	Actual Disp. 73.40
Average		Bump Plug PSI:	1,000	Final Circ.	PSI:		Disp:Bbl 73.40
SIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	133.5	
				Total Volume	BBl	216.90	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2601	04/19/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Tommy Whitlow

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Kerstetter 3120	4-25H	Intermediate	L. ARNEY

EMP NAME							
L. ARNEY		0					
M. QUINTANA							
D. TEWELL							
K. JOHNSON							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5616

	Called Out	On Location	Job Started	Job Completed
Date	4/18/2013	4/19/2013	4/19/2013	4/19/2013
Time	2000	0000	0643	0900

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		5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8¾"	Surface	5,616	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9		Lb/Gal
Disp. Fluid	Fresh Water	Density 8.33		Lb/Gal
Spacer type	Fresh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.40
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
4/19	9.0
Total	9.0

Operating Hours

Date	Hours
4/19	2.0
Total	2.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG 600

Average Rates in BPM

MAX 8 BPM AVG 6

Cement Left in Pipe

Feet 93 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 - 0.1% C-37 - 0.4% C-41P	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: Fresh Water
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 212
		Actual TOC		Calc. TOC:		3,265	Actual Disp. 211.00
Average		Bump Plug PSI:	1,300	Final Circ.	PSI:	800	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	66.0	
				Total Volume	BBl	307.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

Schlumberger

Service Order for i-District Job 972256

Customer Name:	Person Taking Call:	Location:	Order Date:	Job Number:
SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING O		El Reno, OK WS	22-Apr-13 14:23	972256
Service Order Number:	**Service Line:** Cementing El Reno	**Supervisor:**	**Legal Location:**	
Well Name and Number: KERSTETTER -3120-, 4-25 H	**Pad/Platform:**	**Field:**	**County:** Comanche	**State/Prov:** Kansas
Well Master Number: 0631456586	**API/UWI:** 15033217040100	**Rig Name:** LARIAT SERVICES/ODE #45	**Well Age:** New	**Sales Engineer:** Meshall Thomas
Job Type: Cementing El Reno – Liner	**Time Well Ready:**	**Deviation:**	**Hole Size:**	**Well MD:** 9544 ft
Well TVD: 5165 ft	**BHP:**	**BHST:** 141 degF	**BHCT:** 141 degF	**Treat Down:** None
Packer Type:	**Packer Depth:**	**Min/Max Density:** Slurry: 13.4/13.8 ppg	**HHP on Location:**	**Max Allowed Pressure:** 5000 psi
Max Allowed Ann Pressure:		**Job Stage Description:** 4 ½" Liner	**FTL Ticket/Quote Number :** CDL7-00187	

Casing/Tubing

String Type	Depth	Size	Weight	Grade	Thread
Casing	9544 ft	4.5 in	11.6 lb/ft	P-110	LTC

Service Instructions:

Provide equipment, materials, services and personnel to safely cement a 4 1/2" Liner per client specifications.

Pump 30 bbl gel water @9ppg, 490 sks Single System slurry @13.6ppg, drop dart and displace per client request.

Client Contact

Name	Voice	Fax	Email	Title	Company	Notes
Bill Torbett	281-617-4471					

Notes:

TOC: 4093' -- volumes based on 6.125" + 40% XS

Equipment: 1 pump, 2 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 5.6 miles turn north into location

Materials

Name	Description	Quantity	Density
Gel Water	30 bbl gel water	30.00 bbl	9.00 lb/gal
Slurry	490 sks 50:50 Poz:H + adds	710.50 ft3	13.60 lb/gal

Fluid Systems:

Gel Water				
30 bbl gel water				
Volume:	30.00 bbl		*Final Fluid Density:*	9.00 lb/gal
Code	**Conc**	**Design**	**Total**	**Load out with excess**
B306	0.200 gal/bbl	BVOWashVO	6.00 gal	6.00 gal

Slurry				
490 sks 50:50 Poz:H + adds				
Sacks Of:	Blend		*Total Blend/Cem:*	41,160.00 lb
Sack Weight:	84.00 lb		*Sacks Blend/Cem:*	490.00 sks
Yield:	1.45 ft3/sk		*Final Fluid Density:*	13.60 lb/gal
Mix Water:	6.87 gal/sk		*Base Fluid Den:*	
Code	**Conc**	**Design**	**Total**	**Load out with excess**
D909	47.000 lb/sk	WTSK	23,030.00 lb	23,030.00 lb
D035	37.000 lb/sk	WTSK	18,130.00 lb	18,130.00 lb
D020	4.000 %	BWOB	1,646.40 lb	1,646.40 lb
D112	0.600 %	BWOB	246.96 lb	246.96 lb
D065	0.100 %	BWOB	41.16 lb	41.16 lb
D046	0.200 %	BWOB	82.32 lb	82.32 lb
D042	2.000 lb/sk	WTSK	980.00 lb	980.00 lb
D013	0.220 %	BWOB	90.55 lb	90.55 lb
D079	0.200 %	BWOB	82.32 lb	82.32 lb

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/11/2013
Job End Date:	5/13/2013
State:	Kansas
County:	Comanche
API Number:	15-033-21704-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Kerstetter 3120 4-25H
Longitude:	-99.43870000
Latitude:	37.30940000
Datum:	NAD27
Federal/Tribal Well:	NO
Total Base Water Volume (gal):	2,442,761
Total Base Non Water Volume:	

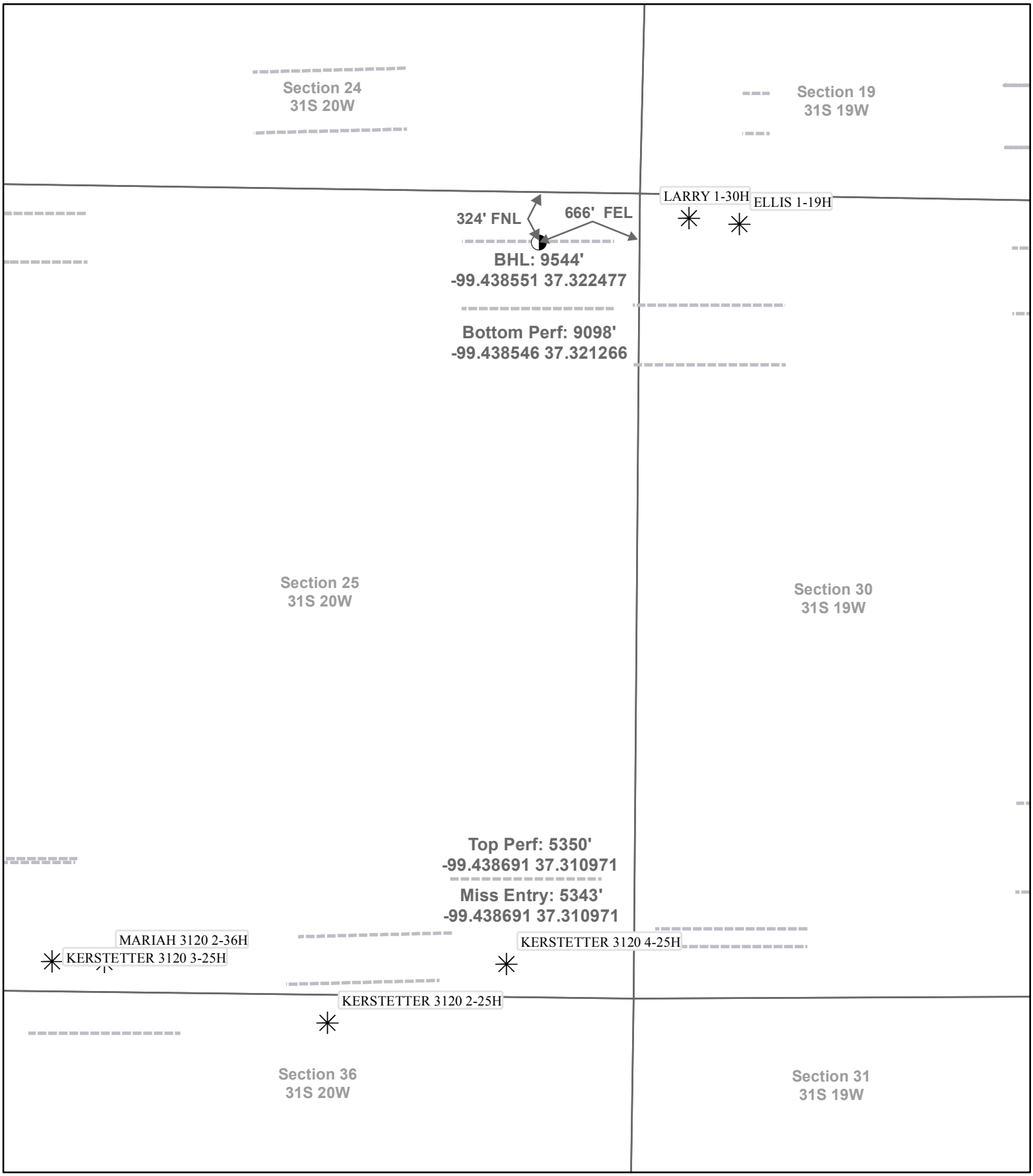
Hydraulic Fracturing Fluid Composition:

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
C102	Bosque Disposal Systems, LLC	Oxidizer					
			Chlorine Dioxide	10049-04-4	15.00000	100.00000	
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.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Distillates (petroleum), hydrotreated light	64742-47-8	0.30647		
			2-Propenoic acid, ammonium salt	10604-69-0	0.00715		
			Sorbitol Tetraoleate	61723-83-9	0.00876		
			C14 alpha olefin ethoxylate	84133-50-6	0.00438		
			2-propenamid	79-06-1	0.00131		
			Prop-2-yn-1-ol	107-19-7	0.00145		
			Potassium hydroxide	1310-58-3	0.00022		
			Sodium sulfocyanate	540-72-7	0.00759		
			Fatty acids, tall-oil	61790-12-3	0.00568		
			Trisodium ortho phosphate	7601-54-9	0.02746		
			Ethoxylated oleic acid	9004-96-0	0.02919		
			Ammonium chloride	12125-02-9	0.14594		

			Methanol	67-56-1	0.00773		
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00438		
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00218		
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00584		
			Hydrogen chloride	7647-01-0	2.02176		
			Alkenes, C>10 a-	64743-02-8	0.00097		
			Ethane-1,2-diol	107-21-1	0.00782		
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.23350		
			Polyethylene glycol monohexyl ether	31726-34-8	0.10957		
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00467		
			Sodium erythorbate	6381-77-7	0.01468		
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00480		
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00438		
			Crystalline silica	14808-60-7	96.93798		
			Sorbitan monooleate	1338-43-8	0.02919		
			Propan-2-ol	67-63-0	0.00096		
			Water (Including Mix Water Supplied by Client)*	NA			

* 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)



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Kerstetter 3120 4-25H
Comanche County, Kansas
T&R: 31S 20W
Section: 25, 666' FEL & 324' FNL
Long/Lat: -99.438551 37.322477

1 in = 833 ft

0 625 1,250 2,500 Feet

N

Draftsman: Aaron Birk	Draft Date: 7/24/2013
Drawing Name/Number: Addendum_Kerstetter 3120 4-25H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Remarks

Tiffany Golay 07/23/013 07:33 am	10,360 bbls hauled to Lojo Disposal