

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1078291

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

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: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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 (Amount and Kind of Material Used)	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method:						
			<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity	

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cather 1-4H
Doc ID	1078291

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1	5463	2991 bbls of water, 48 bbls acid, 54M lbs sand, 41212 TLTR	
1	5714	2851 bbls of water, 48 bbls acid, 54M lbs sand, 38174 TLTR	
1	6005	2821 bbls of water, 48 bbls acid, 54M lbs sand, 35276 TLTR	
1	6253	2984 bbls of water, 48 bbls acid, 54M lbs sand, 32408 TLTR	
1	6543	2851 bbls of water, 48 bbls acid, 55M lbs sand, 29377 TLTR	
1	6793	2883 bbls of water, 48 bbls acid, 55m lbs sand, 26479 TLTR	
1	7079	2863 bbls of water, 48 bbls acid, 55M lbs sand, 23596 TLTR	
1	7368	2902 bbls of water, 48 bbls acid, 55M lbs sand, 20733 TLTR	
1	7614	2861 bbls of water, 48 bbls acid, 55m lbs sand, 17831 TLTR	
1	7901	2906 bbls of water, 48 bbls acid, 55M lbs sand, 14923 TLTR	

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Operator	SandRidge Exploration and Production LLC
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1	8153	2898 bbls of water, 48 bbls acid, 55M lbs sand, 11970 TLTR	
1	8443	2898 bbls of water, 48 bbls acid, 56M lbs sand, 9025 TLTR	
1	8732	2921 bbls of water, 48 bbls acid, 55M lbs sand, 6028 TLTR	
1	8982	3013 bbls of water, 48 bbls acid, 56M lbs sand, 3060 TLTR	

Form	ACO1 - Well Completion
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	24	20	75	90	Mid-Continent 8 sack grout	12	none
Surface	12.25	9.63	36	800	Halliburton Light Standard/Standard	380	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5305	50/50 Poz Standard w/ 2% gel	280	2% Bentonite, .4% Halad(R)-9, 2 lbm Kol-Seal
Liner	8.13	4.5	11.6	9105	none	0	none

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 19, 2012

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

Re: ACO1
API 15-077-21829-01-00
Cather 1-4H
SW/4 Sec.04-35S-07W
Harper 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



WELL: Cather 1-4H

LOCATION: 200' FSL & 660' FWL of 17-T35S-R7W

BHL: 200' FNL & 660' FWL of 8-T35S-R7W

RIG: Lariat 46

Target Direction: 3.37 deg

North/South Hard Line:

East/West Hard Line:

STATION	SURVEY	INC	AZMTH	TVD	N-S	E-W	SECTION	DLS/
NUMBER	DEPTH						100	
<< TIE-IN POIN								
1	250	1.1	27.5	249.98	2.19	1.14	2.25	0.45
2	400	1.2	27.5	399.95	4.87	2.53	5.01	0.03
3	500	1.3	27.5	499.93	6.82	3.55	7.02	0.16
4	650	0.9	27.5	649.90	9.36	4.87	9.63	0.33
5	768	0.5	27.5	767.89	10.56	5.50	10.86	0.33
6	866	0.6	27.5	865.89	11.36	5.91	11.69	0.14
7	958	0.4	26.2	957.89	12.08	6.28	12.43	0.22
8	1,416	0.7	147.9	1415.87	11.14	8.47	11.62	0.21
9	1,702	0.5	129.3	1701.86	8.87	10.37	8.46	0.10
10	1,988	0.2	136.4	1987.85	7.72	11.68	9.39	0.11
11	2,274	0.4	29.4	2273.85	8.23	12.51	8.95	0.17
12	2,560	0.4	78.2	2559.84	9.30	13.98	10.11	0.12
13	2,845	0.5	140.6	2844.84	8.54	15.74	9.45	0.17
14	3,131	0.5	93.1	3130.83	7.51	17.78	8.54	0.14
15	3,322	0.6	53.9	3321.82	8.06	19.42	9.18	0.20
16	3,418	0.5	87.1	3417.81	8.37	20.24	9.55	0.34
17	3,513	0.6	110.8	3512.81	8.22	21.12	9.44	0.26
18	3,608	0.6	114	3607.81	7.84	22.04	9.12	0.04
19	3,704	0.5	104.3	3703.80	7.53	22.91	8.86	0.14
20	3,799	0.3	173	3798.80	7.18	23.34	8.54	0.51
21	3,831	0.5	156.7	3830.80	6.97	23.40	8.33	0.71
22	3,862	0.4	159.5	3861.80	6.75	23.50	8.11	0.33
23	3,894	0.5	12.8	3893.80	6.78	23.57	8.15	2.70
24	3,926	2.0	353.5	3925.79	7.47	23.53	8.84	4.80
25	3,958	3.9	351.1	3957.74	9.10	23.30	10.45	5.95
26	3,989	5.9	351.5	3988.63	11.72	22.90	13.04	6.45
27	4,021	7.8	353.8	4020.40	15.50	22.43	16.79	6.00
28	4,053	9.8	354.1	4052.02	20.37	21.91	21.62	6.25
29	4,085	11.6	351.6	4083.46	26.26	21.16	27.46	5.81
30	4,116	13.9	351.1	4113.70	33.02	20.13	34.15	7.43
31	4,148	16.1	351.2	4144.61	41.21	18.86	42.24	6.88
32	4,180	18.6	353.1	4175.15	50.66	17.56	51.60	8.01
33	4,212	21.5	354.3	4205.20	61.56	16.37	62.42	9.15
34	4,244	24.3	354.4	4234.68	73.95	15.14	74.72	8.75
35	4,275	26.4	354.7	4262.69	87.17	13.88	87.83	6.79
36	4,307	28.6	355.1	4291.08	101.88	12.57	102.45	6.90
37	4,339	30.9	356.1	4318.86	117.71	11.36	118.18	7.35
38	4,371	33.3	356.4	4345.96	134.68	10.25	135.05	7.52
39	4,402	34.7	357.5	4371.66	151.99	9.33	152.28	4.93
40	4,434	36.4	358.4	4397.70	170.58	8.67	170.80	5.56
41	4,466	38.3	359.1	4423.13	189.99	8.25	190.15	6.08
42	4,498	40.4	359	4447.88	210.28	7.91	210.38	6.57
43	4,530	42.6	358.5	4471.84	231.47	7.44	231.51	6.95
44	4,561	44.5	358.4	4494.31	252.82	6.87	252.79	6.13
45	4,593	45.8	358.9	4516.88	275.50	6.33	275.40	4.21
46	4,625	47.6	359.8	4538.82	298.79	6.07	298.63	5.99
47	4,657	49.0	0.6	4560.11	322.68	6.16	322.49	4.76
48	4,689	51.3	1.8	4580.61	347.24	6.68	347.03	7.74
49	4,720	51.7	2	4599.91	371.49	7.48	371.29	1.39
50	4,752	51.4	2.1	4619.81	396.53	8.38	396.34	0.97
51	4,784	50.7	1.9	4639.93	421.40	9.24	421.22	2.24
52	4,816	49.9	1.8	4660.37	446.01	10.04	445.83	2.51
53	4,848	49.3	1.8	4681.11	470.37	10.81	470.19	1.87
54	4,879	49.5	2.4	4701.28	493.89	11.67	493.72	1.60
55	4,911	52.2	4	4721.48	518.66	13.06	518.54	9.29
56	4,943	55.4	4.9	4740.38	544.40	15.07	544.35	10.25
57	4,975	59.3	5.40	4757.64	571.23	17.49	571.27	12.26
58	5,006	63.3	5.30	4772.53	598.30	20.02	598.44	12.91
59	5,038	66.9	4.70	4786.00	627.21	22.55	627.45	11.38
60	5,070	70.9	5.10	4797.51	656.95	25.10	657.29	12.55
61	5,102	74.6	5.60	4807.00	687.37	27.95	687.83	11.66
62	5,133	78.0	5.80	4814.34	717.34	30.94	717.92	10.99
63	5,165	80.4	5.90	4820.34	748.60	34.15	749.32	7.51
64	5,197	83.1	6.10	4824.93	780.10	37.46	780.95	8.46
65	5,228	85.4	6.30	4828.04	810.76	40.79	811.75	7.45
66	5,260	88.0	6.50	4829.88	842.50	44.35	843.65	8.15
67	5,330	91.5	6.30	4830.18	912.05	52.15	913.54	5.01
68	5,362	91.9	6.30	4829.23	943.85	55.66	945.49	1.25
69	5,393	90.8	6.20	4828.50	974.65	59.03	976.44	3.56
70	5,425	90.3	6.00	4828.20	1006.47	62.43	1008.40	1.68
71	5,457	90.5	6.30	4827.97	1038.29	65.86	1040.36	
72	5,489	90.8	6.40	4827.61	1070.09	69.40	1072.32	0.99
73	5,521	90.8	5.90	4827.16	1101.90	72.83	1104.28	1.56
74	5,616	91.3	5.90	4825.42	1196.38	82.59	1199.17	0.53
75	5,712	89.9	4.80	4824.42	1291.95	91.54	1295.10	1.85
76	5,807	90.2	4.80	4824.33	1386.62	99.49	1390.07	0.32
77	5,902	90.6	4.50	4823.67	1481.31	107.19	1485.04	0.53
78	5,997	91.0	4.60	4822.34	1576.00	114.73	1580.01	0.43
79	6,093	87.7	4.00	4823.43	1671.71	121.92	1675.98	3.49

NORTH/SOUTH

TVD (ft)



WELL: Cather 1-4H

LOCATION: 200' FSL & 660' FWL of 17-T35S-R7W

BHL: 200' FNL & 660' FWL of 8-T35S-R7W

RIG: Lariat 46

Target Direction: 3.37 deg
North/South Hard Line:
East/West Hard Line:

6000

5000

STATION SURVEY								VERT.		DLS/	
NUMBER	DEPTH	INC	AZMTH	TVD	N-S	E-W	SECTION	100			
80	6,124	87.9	4.10	4824.62	1702.61	124.11	1706.96	0.72			
81	6,188	91.0	3.40	4825.24	1766.46	128.30	1770.94	4.97			
82	6,220	90.1	3.20	4824.93	1798.40	130.14	1802.94	2.88			
83	6,252	88.2	2.70	4825.40	1830.36	131.79	1834.94	6.14			
84	6,284	88.0	3.00	4826.47	1862.30	133.38	1866.92	1.13			
85	6,348	89.0	2.90	4828.14	1926.19	136.67	1930.89	1.57			
86	6,379	91.6	3.70	4827.98	1957.14	138.45	1961.89	8.78			
87	6,411	93.3	4.70	4826.61	1989.02	140.79	1993.85	6.16			
88	6,443	92.3	3.50	4825.05	2020.90	143.08	2025.81	4.88			
89	6,475	92.4	3.60	4823.74	2052.81	145.06	2057.79	0.44			
90	6,507	91.3	2.60	4822.70	2084.75	146.79	2089.77	4.64			
91	6,539	91.4	2.80	4821.95	2116.70	148.30	2121.76	0.70			
92	6,571	89.9	2.90	4821.59	2148.66	149.89	2153.75	4.70			
93	6,603	89.8	2.70	4821.67	2180.62	151.45	2185.75	0.70			
94	6,667	90.2	2.40	4821.67	2244.56	154.30	2249.74	0.78			
95	6,762	89.2	1.10	4822.17	2339.51	157.20	2344.70	1.73			
96	6,858	87.0	359.60	4825.35	2435.45	157.78	2440.51	2.77			
97	6,890	86.4	359.90	4827.19	2467.39	157.65	2472.39	2.10			
98	6,922	87.6	359.90	4828.87	2499.35	157.59	2504.29	3.75			
99	6,954	89.6	0.40	4829.65	2531.34	157.67	2536.23	6.44			
100	7,017	91.5	0.60	4829.04	2594.33	158.22	2599.14	3.03			
101	7,049	91.7	0.60	4828.15	2626.31	158.56	2631.09	0.62			
102	7,081	91.8	0.80	4827.17	2658.30	158.95	2663.04	0.70			
103	7,113	91.7	0.60	4826.20	2690.28	159.34	2694.99	0.70			
104	7,145	91.8	0.60	4825.22	2722.26	159.67	2726.94	0.31			
105	7,177	91.7	0.10	4824.24	2754.25	159.87	2758.88	1.59			
106	7,241	91.6	0.40	4822.40	2818.22	160.15	2822.76	0.49			
107	7,336	91.3	359.80	4819.99	2913.19	160.31	2917.58	0.71			
108	7,432	91.6	359.30	4817.56	3009.15	159.56	3013.33	0.61			
109	7,527	91.9	359.20	4814.66	3104.10	158.32	3108.04	0.33			
110	7,623	92.4	358.80	4811.06	3200.02	156.64	3203.70	0.67			
111	7,719	90.7	0.70	4808.47	3295.97	156.23	3299.46	2.66			
112	7,814	90.8	1.10	4807.22	3390.95	157.72	3394.37	0.43			
113	7,910	91.1	0.80	4805.63	3486.93	159.31	3490.27	0.44			
114	7,974	90.2	1.60	4804.90	3550.91	160.65	3554.22	1.88			
115	8,005	90.2	1.90	4804.80	3581.89	161.60	3585.20	0.97			
116	8,101	90.6	1.90	4804.13	3677.84	164.78	3681.17	0.42			
117	8,197	91.5	1.90	4802.37	3773.77	167.96	3777.12	0.94			
118	8,229	91.8	1.90	4801.45	3805.74	169.02	3809.10	0.94			
119	8,292	91.0	3.20	4799.91	3868.65	171.82	3872.07	2.42			
120	8,388	91.0	4.00	4798.23	3964.45	177.85	3968.05	0.83			
121	8,483	90.9	3.40	4796.66	4059.24	183.98	4063.04	0.64			
122	8,579	89.8	2.60	4796.07	4155.10	189.00	4159.03	1.42			
123	8,675	89.5	2.10	4796.66	4251.02	192.94	4255.02	0.61			
124	8,770	89.1	1.40	4797.82	4345.97	195.84	4349.97	0.85			
125	8,866	89.1	1.00	4799.32	4441.93	197.85	4445.89	0.42			
126	8,961	89.2	1.90	4800.73	4536.89	200.26	4540.82	0.95			
127	9,057	89.0	1.40	4802.24	4632.84	203.02	4636.77	0.56			
128				4802.24	4632.84	203.02	4636.77				
129				4802.24	4632.84	203.02	4636.77				
130				4802.24	4632.84	203.02	4636.77				
131				4802.24	4632.84	203.02	4636.77				
132				4802.24	4632.84	203.02	4636.77				
133				4802.24	4632.84	203.02	4636.77				
134				4802.24	4632.84	203.02	4636.77				
135				4802.24	4632.84	203.02	4636.77				
136				4802.24	4632.84	203.02	4636.77				
137				4802.24	4632.84	203.02	4636.77				
138				4802.24	4632.84	203.02	4636.77				
139				4802.24	4632.84	203.02	4636.77				
140				4802.24	4632.84	203.02	4636.77				
141				4802.24	4632.84	203.02	4636.77				
142				4802.24	4632.84	203.02	4636.77				
143				4802.24	4632.84	203.02	4636.77				
144				4802.24	4632.84	203.02	4636.77				
145				4802.24	4632.84	203.02	4636.77				
146				4802.24	4632.84	203.02	4636.77				
147				4802.24	4632.84	203.02	4636.77				
148				4802.24	4632.84	203.02	4636.77				
149				4802.24	4632.84	203.02	4636.77				
150				4802.24	4632.84	203.02	4636.77				
151				4802.24	4632.84	203.02	4636.77				
152				4802.24	4632.84	203.02	4636.77				
153				4802.24	4632.84	203.02	4636.77				

Mid-Continent Conductor, LLC

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400

Fax: (580)254-3242

Invoice

Date	Invoice #
3/14/2012	1249

Bill To

SandRidge Energy, Inc.
Attn: Purchasing Mgr.
123 Robert S. Kerr Avenue
Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Ricky Beene	Net 45	3/14/2012	Cather 1-4H, Harper Cnty, KS	Lariat 46

Item	Quantity	Description
Conductor Hole	100	Drilled 100 ft. conductor hole
20" Pipe	100	Furnished 100 ft. of 20 inch conductor pipe
Mouse Hole	80	Drilled 80 ft. mouse hole
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe
Cellar Hole	1	Drilled 6x6 cellar hole
6' X 6' Tinhorn	1	Furnished and set 6x6 tinhorn
Mud and Water	1	Furnished mud and water
Mud, Water, & Trucking	1	Transport mud and water to location
Grout & Trucking	12	Furnished 12 yards of grout and trucking to location
Grout Pump	1	Furnished grout pump
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Labor and Equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits
		Subtotal \$24,060.00
		Sales Tax (0.0%) \$0.00
		Total \$24,060.00

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2916580	Quote #:	Sales Order #: 9374770
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: English, Kara	
Well Name: Cather	Well #: 1-4H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 4 Township 35S Range 7W			
Contractor: LARIAT		Rig/Platform Name/Num: 46	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srv Supervisor: GILREATH, JAMES	MBU ID Emp #: 493907

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CRESS, JOHNNY Leneil	4.5	511390	DAVIS, TROY Robert	4.5	498798	GILREATH, JAMES P	4.5	493907
KIRKLAND, LARRY Don	4.5	286162						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	788. ft	788. ft		Wk Ht Above Floor		5. ft	On Location	22 - Mar - 2012	15:00	CST
											Job Started	22 - Mar - 2012	17:06	CST
											Job Completed	22 - Mar - 2012	17:54	CST
											Departed Loc	22 - Mar - 2012	19:30	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Open Hole				12.25				.	800.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	800.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Halliburton Light Standard	EXTENDACEM (TM) SYSTEM (452981)	280.0	sacks	12.4	2.12	11.68		11.68	
3 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
0.25 lbm		POLY-E-FLAKE (101216940)								
11.676 Gal		FRESH WATER								
2	Standard	SWIFTCEM (TM) SYSTEM (452990)	100.0	sacks	15.6	1.2	5.32		5.32	
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
0.125 lbm		POLY-E-FLAKE (101216940)								
5.319 Gal		FRESH WATER								
Calculated Values		Pressures		Volumes						
Displacement	57	Shut In: Instant		Lost Returns		Cement Slurry	126	Pad		
Top Of Cement	0	5 Min		Cement Returns	50	Actual Displacement	57	Treatment		
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	45.25 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2916580	Quote #:	Sales Order #: 9374770
Customer: SANDRIDGE ENERGY INC EBUSINESS	Customer Rep: English, Kara		
Well Name: Cather	Well #: 1-4H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 4 Township 35S Range 7W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: LARIAT	Rig/Platform Name/Num: 46		
Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: NGUYEN, VINH	Srvc Supervisor: GILREATH, JAMES	MBU ID Emp #: 493907	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/22/2012 10:00							
Depart Yard Safety Meeting	03/22/2012 12:00							
Depart from Service Center or Other Site	03/22/2012 12:30							
Arrive at Location from Service Center	03/22/2012 15:00							
Other	03/22/2012 15:05							DISCUSSED JOB WITH CUSTOMER AND GET WORK ORDER CONTRACT SIGNED
Safety Meeting - Pre Rig-Up	03/22/2012 15:15							
Rig-Up Equipment	03/22/2012 15:30							
Circulate Well	03/22/2012 15:45							USED HES IRON AND SWAGE
Safety Meeting - Pre Job	03/22/2012 16:30							
Other	03/22/2012 16:45							STAB HEAD 5 FOOT FROM FLOOR AND FINISH RIG UP ON FLOOR
Pressure Test	03/22/2012 17:06							2000 PSI
Pump Spacer 1	03/22/2012 17:10		2.8	10			44.0	WATER
Pump Lead Cement	03/22/2012 17:14		5	105			149.0	STANDARD @ 12.4 (50 BBLS BACK TO SURFACE)
Pump Tail Cement	03/22/2012 17:32		5	21			138.0	STANDARD @ 15.6
Drop Top Plug	03/22/2012 17:40							

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement - Start	03/22/2012 17:41		5	57			300.0	WATER
Slow Rate	03/22/2012 17:50							LAST 10 BBLS OF DISPLACEMENT
Bump Plug	03/22/2012 17:54						1100.0	
Check Floats	03/22/2012 17:55							0.5 BBL BACK
Safety Meeting - Pre Rig-Down	03/22/2012 18:00							
Rig-Down Equipment	03/22/2012 18:15							
Other	03/22/2012 18:45							DISCUSS JOB RESULTS WITH CUSTOMER AND GET TICKET SIGNED
Depart Location Safety Meeting	03/22/2012 19:00							
Depart Location for Service Center or Other Site	03/22/2012 19:30							

API No.
OTC/OCC Operator No.

CEMENTING REPORT
To Accompany Completion Report

Form 1002C
Rev. 1996

OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division
Post Office Box 52000-2000
Oklahoma City, Oklahoma 73152-2000
OAC 165:10-3-4(h)

ATTENTION: IMPORTANT REGULATORY DOCUMENT
retain for your records and file with
appropriate agency.

All operators must include this form when submitting the Completion Report, (Form 1002A). The signature on this statement must be that of qualified employees of the cementing company and operator to demonstrate compliance with OAC 165:10-3-4(h). It may be advisable to take a copy of this form to location when cementing work is performed.

TYPE OR USE BLACK INK ONLY

*Field Name				OCC District			
*Operator SANDRIDGE ENERGY INC EBUSINESS				OCC/OTC Operator No			
*Well Name/No. Cather 1-4H				County Harper			
*Location 1/4 1/4 1/4 1/4		Sec 4	Twp 35S	Rge 7W			

Cement Casing Data	Conductor Casing	Surface Casing	Alternative Casing	Intermediate Casing	Production String	Liner
Cementing Date				3/29/2012		
*Size of Drill Bit (Inches)				8.75		
*Estimated % wash or hole enlargement used in calculations				35		
*Size of Casing (inches O.D.)				7		
*Top of Liner (if liner used) (ft.)						
*Setting Depth of Casing (ft.) from ground level				5309		
Type of Cement (API Class) In first (lead) or only slurry				HLC		
In second slurry				Premium		
In third slurry						
Sacks of Cement Used In first (lead) or only slurry				180		
In second slurry				100		
In third slurry						
Vol of slurry pumped (Cu ft)(14.X15.) in first (lead) or only slurry				270		
In second slurry				120		
In third slurry						
Calculated Annular Height of Cement behind Pipe (ft)				2800		
Cement left in pipe (ft)				90		

*Amount of Surface Casing Required (from Form 1000)	ft.
---	-----

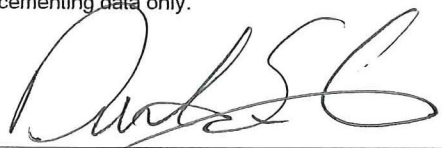
*Was cement circulated to Ground Surface?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	*Was Cement Staging Tool (DV Tool) used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
*Was Cement Bond Log run?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If so, Attach Copy)	*If Yes, at what depth?	ft

CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE OF FORM

* Designates items to be completed by Operator.
Items not so designated shall be completed by the Cementing Company.

Remarks Stage #1/Slurry #1: Water Spacer Stage #1/Slurry #2: 50/50 POZ STANDARD (w/ 2% extra gel) w/ ECONOCHEM (TM) SYSTEM, 2 % Bentonite, 0.4 % Halad(R)-9, 2 lbm Kol-Seal, 2 % Bentonite. Stage #1/Slurry #3: Premium w/ 0.4 % Halad(R)-9.

*Remarks

<p align="center">CEMENTING COMPANY</p> <p>I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that the cementing of casing in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers cementing data only.</p>  <p align="center">_____ Signature of Cementer or Authorized Representative</p>

<p align="center">OPERATOR</p> <p>I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers all well data and information presented herein.</p> <p align="center">_____ Signature of Operator or Authorized Representative</p>
--

Name & Title Printed or Typed	
DUSTIN SMITH, Service Supervisor	
Halliburton Energy Services	
Address	
701 Dispensary RD	
City	
Burnsflat	
State	Zip
OK	73624
Telephone (AC) Number	
580-562-1500	
Date	
3/29/2012	

*Name & Title Printed or Typed	
*Operator	
*Address	
*City	
*State	*Zip
*Telephone (AC) Number	
*Date	

INSTRUCTIONS

1. A) This form shall be filed by the operator, at the O.C.C. office in Oklahoma City, as an attachment to the Completion Report (Form 1002A) for a producing well or a dry hole.
 B) An original of this form shall be filed as an attachment to the Completion Report, (Form 1002A), for each cementing company used on a well.
 C) The cementing of different casing strings on a well by one cementing company may be consolidated on one form.
2. Cementing Company and Operator shall comply with the applicable portions of OAC 165:10-3-4(h).
3. Set surface casing 50 feet below depth of treatable water to be protected and cement from casing shoe to ground surface or as allowed by OAC 165:10-3-4(h).
4. **IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, BE SURE TO FOLLOW CORPORATION COMMISSION RULES.**

Section 32
34S 7W

Section 33
34S 7W

578' FNL

BHL: 9057'
-98.089986 37.035261

393' FWL

Bottom Perf: 8961'
-98.089988 37.035

Section 5
35S 7W

Section 4
35S 7W

Top Perf: 5475'
-98.090187 37.025477

Miss Entry: 4975'
-98.090319 37.024204

CATHER 1-4H

Section 8
35S 7W

Section 9
35S 7W



Actual Bottom-Hole Location of Amelia Grace 1-2H
Harper County, Kansas
T&R: 35S 7W
Section: 4, 393' FWL & 578' FNL
Long/Lat: -98.089986 37.035261

1 in = 667 ft



● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

0 420 840 1,680 Feet

Draftsman:

Aaron Birk

Draft Date: 7/5/2012

Drawing Name/Number:

Addendum_Cather_1-4H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502