



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1234620
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: _____

1234620

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____				
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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INVOICE

DATE	INVOICE #
3/18/2014	4632

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
COMANCHE, ...	3/13/2014	3520	HWD 14	HANK 3420 1-2H	Due on rec...

Description

DRILLED 120' OF 30" CONDUCTOR HOLE
 DRILLED 6' OF 76" HOLE
 FURNISHED AND SET 6' X 6' TINHORN CELLAR
 FURNISHED 120' OF 20" CONDUCTOR PIPE
 FURNISHED MUD, WATER, AND TRUCKING
 FURNISHED WELDER AND MATERIALS
 FURNISHED 12 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE
 FURNISHED GROUT PUMP

TOTAL BID \$15,131.73

Sales Tax (6.15%)	\$131.73
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TOTAL	\$15,131.73
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SandRidge Energy
Hank #3420 1-2H
Comanche County, KS.

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you for the award of the provision of cementing products and services on the well Hank #3420 1-2H surface Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 2000 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

76.60 Bbls (230 sacks) of 12.7 ppg Lead slurry:
65:35 Class A:Poz Blend - 1.87 Yield
6.0% Gel
2%cc
¼# Floseal

32 Bbls (150 sacks) of 15.6 ppg Tail slurry:
2% cc
¼# Floseal

The top plug was then released and displaced with 53.5 of fresh water. The plug bumped and pressured up to 950 psi. Pressure was released and floats held. Cement did not circulate. Wait 5 hours + run a temperature survey, Tested @ 210'. 200' of 1" pipe was run, and the following cement was circulated to surface.

80 Bbls (375 sacks) of 15.6 ppg slurry
2% cc
¼# Floseal

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.



SandRidge Energy
Hank #3420 1-2H
Comanche County, KS.

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Hank #3420 1-2H Plug Back

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 2600 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

43 Bbls (245 sacks) of 17 ppg Lead slurry:
Class H .99 Yield
.75% CD-31
.2% Defoamer
.1% C-20

We then started displacement with 5.5. Bbls of water followed with 44 Bbls of mud. The drill pipe was then pulled out of the hole leaving a 507'' cement plug from 5250'-4743'+-

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.

Section 35
33S 20W

Section 36
33S 20W

Section 2
34S 20W

Comanche County

Section 1
34S 20W

RALPH BAKER 1
*

MD: 5537'
-99.454964 37.108374

TVD: 5039'
-99.454968 37.107195

BARON SWD 3420 1-2
* * RUTH ELLEN 3420 1-11H
HANK 3420 1-2H

Section 11
34S 20W

BEYLER 1-A
*

SALLY 3420 1-12H
Section 12
34S 20W *



Lost Hole Location of Hank 3420 1-2H
T&R: 34S 20W
Section: 2
-99.454964 37.108374

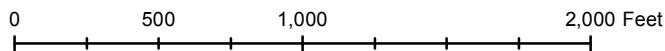
1 in = 667 ft



* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Dory Deines

Draft Date: 12/11/2014

Drawing Name/Number:

Addendum_Hank_3420_1-2H Lost Hole.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502



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

*Plugged
Back
Loss
hole*

Survey HANK 3420 1-2H

Step #1 - Create a Deviation Survey

Step

#2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Wellbores - Step #2

Actual Deviation Survey

<des>, Proposed? No

Wellbore Type

Original Hole

Deviation Surveys - Step #1

Description	Date 3/22/2014	VS Dir (°)	Comment
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Tie-In Data

Azimuth North Type	Convergence (°)	Declination (°)	MD Tie In (ftKB)	Azimuth Tie In (°)	Inclination Tie In (°)	TVDTie In (ftKB)	NSTie In (ft)	EWTie In (ft)
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Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
5	65.2	1.47	Weatherford	MWD	4	3	2.55	0.07	1,304.40
496	0.2	0.00	Weatherford	MWD	395	253	253.79	6.49	13.24
723	0.4	0.00	Weatherford	MWD	622	254	254.98	6.49	0.09
930	0.1	52.57	Weatherford	MWD	829	255	255.78	6.59	0.17
1,025	0.0	17.95	Weatherford	MWD	924	255	255.81	6.63	0.07
1,118	0.3	294.86	Weatherford	MWD	1,017	255	255.91	6.41	0.32
1,212	0.3	317.70	Weatherford	MWD	1,111	255	256.20	6.02	0.13
1,305	0.4	303.62	Weatherford	MWD	1,204	256	256.57	5.57	0.17
1,398	0.5	297.91	Weatherford	MWD	1,297	256	256.94	4.96	0.05
1,492	0.6	278.79	Weatherford	MWD	1,391	256	257.18	4.18	0.21
1,586	0.8	254.00	Weatherford	MWD	1,485	256	257.08	3.13	0.36
1,678	0.6	230.01	Weatherford	MWD	1,577	256	256.58	2.16	0.34
1,772	1.0	225.00	Weatherford	MWD	1,671	255	255.67	1.18	0.39
1,865	1.1	222.52	Weatherford	MWD	1,764	254	254.43	-0.01	0.13
1,959	1.2	216.64	Weatherford	MWD	1,858	253	252.99	-1.19	0.13
2,052	1.2	213.00	Weatherford	MWD	1,951	251	251.45	-2.26	0.08
2,146	1.2	219.68	Weatherford	MWD	2,045	250	249.89	-3.41	0.15
2,239	2.6	185.69	Weatherford	MWD	2,138	247	247.02	-4.24	1.90
2,332	3.9	192.59	Weatherford	MWD	2,231	242	241.82	-5.14	1.42
2,426	5.0	198.18	Weatherford	MWD	2,325	235	234.85	-7.10	1.22
2,521	5.8	197.55	Weatherford	MWD	2,419	227	226.38	-9.83	0.91
2,616	7.0	197.52	Weatherford	MWD	2,514	217	216.27	-13.02	1.25
2,711	6.7	199.13	Weatherford	MWD	2,608	206	205.54	-16.58	0.40
2,805	8.2	197.79	Weatherford	MWD	2,701	195	194.03	-20.40	1.59
2,900	9.4	194.96	Weatherford	MWD	2,795	181	180.10	-24.47	1.42
2,994	9.2	193.52	Weatherford	MWD	2,888	167	165.35	-28.21	0.34
3,089	8.9	192.73	Weatherford	MWD	2,982	153	150.76	-31.62	0.31
3,184	8.5	193.18	Weatherford	MWD	3,076	139	136.71	-34.85	0.46
3,279	8.5	195.00	Weatherford	MWD	3,170	125	123.08	-38.27	0.28
3,374	7.8	193.65	Weatherford	MWD	3,264	113	110.03	-41.61	0.78
3,468	9.2	196.08	Weatherford	MWD	3,357	99	96.61	-45.19	1.56
3,563	9.2	197.18	Weatherford	MWD	3,450	85	82.05	-49.55	0.19
3,658	9.1	196.79	Weatherford	MWD	3,544	71	67.63	-53.95	0.18
3,745	8.5	193.37	Weatherford	MWD	3,630	58	54.82	-57.41	0.87
3,832	7.8	192.11	Weatherford	MWD	3,716	47	42.79	-60.14	0.82
3,920	7.1	196.86	Weatherford	MWD	3,803	36	31.74	-62.97	1.07
4,007	6.4	195.90	Weatherford	MWD	3,890	26	21.93	-65.86	0.81
4,095	7.1	193.70	Weatherford	MWD	3,977	16	11.93	-68.49	0.85
4,139	7.5	192.14	Weatherford	MWD	4,021	11	6.48	-69.74	1.01
4,226	2.5	204.11	Weatherford	MWD	4,108	4	-0.84	-71.72	5.80
4,270	1.8	282.26	Weatherford	MWD	4,152	3	-1.58	-72.78	6.30
4,313	3.5	330.23	Weatherford	MWD	4,194	5	-0.30	-74.07	6.24
4,357	5.8	348.67	Weatherford	MWD	4,238	8	3.06	-75.18	6.18
4,401	8.3	356.95	Weatherford	MWD	4,282	13	8.41	-75.79	6.04
4,444	10.5	358.28	Weatherford	MWD	4,324	20	15.42	-76.07	5.16



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

Survey HANK 3420 1-2H

Step #1 - Create a Deviation Survey

Step

#2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (*/100ft)
4,488	13.6	358.87	Weatherford	MWD	4,367	30	24.59	-76.30	7.03
4,532	16.7	359.78	Weatherford	MWD	4,410	41	36.06	-76.42	7.00
4,576	18.8	0.75	Weatherford	MWD	4,452	54	49.45	-76.35	4.93
4,619	21.9	2.53	Weatherford	MWD	4,492	69	64.40	-75.91	7.37
4,663	25.0	3.21	Weatherford	MWD	4,533	87	81.90	-75.02	7.09
4,707	28.0	3.27	Weatherford	MWD	4,572	106	101.49	-73.91	6.66
4,750	30.9	2.74	Weatherford	MWD	4,609	127	122.58	-72.81	6.86
4,794	33.8	2.49	Weatherford	MWD	4,646	150	146.10	-71.74	6.67
4,838	36.7	2.71	Weatherford	MWD	4,682	176	171.45	-70.59	6.44
4,882	39.2	1.77	Weatherford	MWD	4,717	203	198.47	-69.54	5.94
4,925	42.7	1.13	Weatherford	MWD	4,750	231	226.65	-68.83	8.29
4,969	47.0	1.16	Weatherford	MWD	4,781	262	257.68	-68.21	9.70
5,013	51.6	1.52	Weatherford	MWD	4,809	295	291.03	-67.42	10.47
5,056	55.4	1.82	Weatherford	MWD	4,835	329	325.58	-66.41	8.85
5,100	59.0	1.90	Weatherford	MWD	4,859	366	362.53	-65.21	8.07
5,144	61.1	2.28	Weatherford	MWD	4,881	404	400.62	-63.82	4.94
5,187	61.8	1.86	Weatherford	MWD	4,901	442	438.37	-62.46	1.86
5,231	62.2	1.67	Weatherford	MWD	4,922	480	477.20	-61.26	0.90
5,275	62.3	1.57	Weatherford	MWD	4,943	519	516.12	-60.16	0.27
5,319	62.8	1.53	Weatherford	MWD	4,963	558	555.14	-59.11	1.25
5,406	67.8	2.34	Weatherford	MWD	4,999	636	634.10	-56.43	5.74
5,450	70.5	3.12	Weatherford	MWD	5,015	677	675.17	-54.47	6.55
5,493	73.6	3.58	Weatherford	MWD	5,028	718	716.00	-52.07	7.12
5,537	77.1	3.66	Weatherford	MWD	5,039	760	758.48	-49.39	8.02

Actual Deviation Survey Wellbore Type
Side Track, Proposed? No Sidetrack 1

Deviation Surveys - Step #1			
Description	Date	VS Dir (°)	Comment

Tie-in Data								
Azimuth North Type	Convergence (°)	Declination (°)	MD Tie In (ftKB)	Azimuth Tie In (°)	Inclination Tie In (°)	TVDTie In (ftKB)	NSTie In (ft)	EW Tie In (ft)

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (*/100ft)