



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1093553
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: _____



1093553

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> _____
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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	Jochems 2721 2-2H
Doc ID	1093553

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8576-9018	1863 bbls water, 446 bbls acid, 23M lbs sd, 2309 TLTR	
5	7802-8292	1864 bbls water, 454 bbls acid, 23m LBS SD, 4724 TLTR	
5	7270-7722	1897 bbls water, 418 bbls acid, 23M lbs sd, 7039 TLTR	
5	6810-7180	1819 bbls water, 366 bbls acid, 21M lbs sd, 9280 TLTR	
5	6371-6735	1868 bbls water, 361 bbls acid, 23M lbs sd, 11659 TLTR	
5	5951-6302	1860 bbls water, 376 bbls acid, 23M lbs sd, 13939 TLTR	
5	5672-5882	2253 bbls water, 386 bbls acid, 20M lbs sd, 17025 TLTR	

Form	ACO1 - Well Completion
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Well Name	Jochems 2721 2-2H
Doc ID	1093553

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	110	4500 PSI concrete	12	0
Surface	12.25	9.63	36	1171	Halliburton Extendacem and Swiftcem Systems	505	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5245	Halliburton Econocem and Halcem Systems	300	.4% Halad(R)-9, 2lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	9217	Halliburton Econocem System	450	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite

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

September 13, 2012

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

Re: ACO1
API 15-057-20832-01-00
Jochems 2721 2-2H
SE/4 Sec.02-27S-21W
Ford 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



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

Survey JOCHEMS 2721 2-2H

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 Name Original Hole
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Deviation Surveys - Step #1

Description	Date 8/25/2012	VS Dir (°) 359.97	Comment
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Tie-in Data

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

MD (ftKB)	Incl (°)	Azim (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
310	0.6	261.20	SandRidge Energy	Incl	310	0	-0.26	-1.68	0.20
650	0.5	261.20	SandRidge Energy	Incl	650	-1	-0.78	-5.06	0.03
986	0.3	261.20	SandRidge Energy	Incl	986	-1	-1.13	-7.32	0.08
1,328	0.8	261.20	Drill right	Incl	1,328	-2	-1.62	-10.44	0.16
1,613	0.4	295.10	Drill right	Incl	1,613	-1	-1.50	-13.31	0.18
1,896	0.4	36.30	Drill right	Incl	1,896	0	-0.28	-13.62	0.22
2,369	1.0	358.20	Drill right	Incl	2,369	5	5.17	-12.77	0.15
2,842	0.7	327.40	Drill right	Incl	2,842	12	11.73	-14.46	0.11
3,314	0.5	346.30	Drill right	Incl	3,314	16	16.16	-16.50	0.06
3,504	0.4	8.40	Drill right	Incl	3,504	18	17.62	-16.60	0.10
3,881	0.5	14.40	Drill right	Incl	3,881	21	20.52	-16.00	0.03
3,914	0.5	348.80	Drill right	Incl	3,914	21	20.80	-15.99	0.67
3,946	0.9	341.30	Drill right	Incl	3,946	21	21.17	-16.10	1.28
3,977	2.0	349.10	Drill right	Incl	3,977	22	21.94	-16.28	3.60
4,009	3.6	357.60	Drill right	Incl	4,009	23	23.49	-16.43	5.15
4,040	4.9	3.80	Drill right	Incl	4,040	26	25.78	-16.38	4.44
4,072	7.5	5.90	Drill right	Incl	4,071	29	29.22	-16.07	8.15
4,104	9.7	8.10	Drill right	Incl	4,103	34	33.97	-15.48	6.95
4,135	10.1	10.10	Drill right	Incl	4,134	39	39.23	-14.63	1.70
4,167	11.2	10.90	Drill right	Incl	4,165	45	45.05	-13.55	3.47
4,198	12.1	8.10	Drill right	Incl	4,195	51	51.22	-12.53	3.43
4,230	14.6	2.90	Drill right	Incl	4,227	59	58.57	-11.85	8.66
4,261	17.8	359.90	Drill right	Incl	4,256	67	67.21	-11.66	10.67
4,293	20.6	359.10	Drill right	Incl	4,287	78	77.73	-11.76	8.79
4,325	23.7	358.90	Drill right	Incl	4,316	90	89.80	-11.97	9.69
4,355	26.6	358.30	Drill right	Incl	4,343	103	102.54	-12.28	9.70
4,387	28.4	359.90	Drill right	Incl	4,372	117	117.31	-12.51	6.08
4,419	28.9	357.60	Drill right	Incl	4,400	133	132.65	-12.85	3.78
4,451	31.1	356.00	Drill right	Incl	4,428	149	148.62	-13.75	7.31
4,483	34.2	356.90	Drill right	Incl	4,454	166	165.85	-14.81	9.81
4,515	36.3	357.10	Drill right	Incl	4,481	184	184.29	-15.78	6.57
4,547	38.9	357.20	Drill right	Incl	4,506	204	203.79	-16.75	8.13
4,579	41.0	356.90	Drill right	Incl	4,530	224	224.31	-17.81	6.59
4,610	43.6	356.90	Drill right	Incl	4,553	245	245.14	-18.93	8.39
4,642	45.5	356.40	Drill right	Incl	4,576	268	267.55	-20.25	6.04
4,673	48.3	356.30	Drill right	Incl	4,597	290	290.14	-21.69	9.04
4,705	49.5	355.50	Drill right	Incl	4,618	314	314.19	-23.41	4.20
4,737	49.2	355.40	Drill right	Incl	4,639	338	338.39	-25.34	0.97
4,768	49.0	354.90	Drill right	Incl	4,660	362	361.74	-27.32	1.38
4,800	50.1	355.40	Drill right	Incl	4,680	386	386.00	-29.38	3.64
4,832	50.4	355.40	Drill right	Incl	4,701	411	410.53	-31.35	0.94
4,864	50.1	355.00	Drill right	Incl	4,721	435	435.04	-33.41	1.34
4,896	49.9	355.00	Drill right	Incl	4,742	459	459.46	-35.55	0.62
4,927	51.7	354.90	Drill right	Incl	4,761	483	483.39	-37.66	5.81
4,959	54.8	354.20	Drill right	Incl	4,781	509	508.91	-40.10	9.84



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

Survey JOCHEMS 2721 2-2H

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)
4,991	58.0	354.60	Drill right	Incl	4,798	535	535.43	-42.70	10.05
5,023	60.7	353.40	Drill right	Incl	4,815	563	562.81	-45.58	9.03
5,054	64.1	352.70	Drill right	Incl	4,829	590	590.08	-48.91	11.15
5,086	67.7	352.40	Drill right	Incl	4,842	619	619.03	-52.69	11.28
5,117	71.0	353.10	Drill right	Incl	4,853	648	647.81	-56.35	10.85
5,149	74.4	354.10	Drill right	Incl	4,862	678	678.16	-59.75	11.04
5,181	78.1	355.30	Drill right	Incl	4,870	709	709.11	-62.62	12.12
5,213	80.5	355.70	Drill right	Incl	4,876	740	740.45	-65.09	7.60
5,280	83.9	357.00	Drill right	Incl	4,885	807	806.69	-69.31	5.43
5,312	85.5	358.60	Drill right	Incl	4,888	839	838.53	-70.53	7.06
5,344	88.4	0.30	Drill right	Incl	4,890	871	870.47	-70.84	10.50
5,375	92.1	0.90	Drill right	Incl	4,890	902	901.47	-70.52	12.09
5,406	93.6	1.80	Drill right	Incl	4,888	932	932.42	-69.79	5.64
5,437	93.7	1.70	Drill right	Incl	4,886	963	963.34	-68.84	0.46
5,469	93.4	1.40	Drill right	Incl	4,884	995	995.27	-67.98	1.32
5,501	92.9	1.60	Drill right	Incl	4,882	1,027	1,027.21	-67.14	1.68
5,533	93.7	3.20	Drill right	Incl	4,881	1,059	1,059.13	-65.80	5.58
5,564	94.0	4.10	Drill right	Incl	4,878	1,090	1,089.99	-63.83	3.05
5,596	93.9	4.50	Drill right	Incl	4,876	1,122	1,121.83	-61.44	1.29
5,627	94.1	4.10	Drill right	Incl	4,874	1,153	1,152.66	-59.12	1.44
5,659	94.1	3.50	Drill right	Incl	4,872	1,185	1,184.51	-57.01	1.87
5,690	93.8	3.80	Drill right	Incl	4,870	1,215	1,215.38	-55.04	1.37
5,722	94.3	5.00	Drill right	Incl	4,867	1,247	1,247.20	-52.59	4.05
5,754	94.5	5.40	Drill right	Incl	4,865	1,279	1,278.98	-49.70	1.39
5,785	94.5	5.30	Drill right	Incl	4,863	1,310	1,309.74	-46.82	0.32
5,817	94.1	5.60	Drill right	Incl	4,860	1,342	1,341.51	-43.79	1.56
5,848	93.0	5.20	Drill right	Incl	4,858	1,372	1,372.31	-40.87	3.77
5,880	92.7	6.00	Drill right	Incl	4,857	1,404	1,404.12	-37.76	2.67
5,912	92.7	5.90	Drill right	Incl	4,855	1,436	1,435.91	-34.44	0.31
5,944	92.6	5.70	Drill right	Incl	4,854	1,468	1,467.72	-31.21	0.70
5,976	92.3	5.00	Drill right	Incl	4,852	1,500	1,499.55	-28.23	2.38
6,007	91.1	5.40	Drill right	Incl	4,851	1,530	1,530.40	-25.42	4.08
6,039	91.0	5.40	Drill right	Incl	4,851	1,562	1,562.26	-22.41	0.31
6,071	90.8	5.40	Drill right	Incl	4,850	1,594	1,594.11	-19.40	0.62
6,102	90.6	5.30	Drill right	Incl	4,850	1,625	1,624.97	-16.51	0.72
6,134	90.9	3.30	Drill right	Incl	4,849	1,657	1,656.88	-14.11	6.32
6,165	90.8	2.70	Drill right	Incl	4,849	1,688	1,687.83	-12.49	1.96
6,197	90.9	3.00	Drill right	Incl	4,849	1,720	1,719.79	-10.90	0.99
6,229	90.9	3.40	Drill right	Incl	4,848	1,752	1,751.74	-9.11	1.25
6,260	90.8	3.40	Drill right	Incl	4,848	1,783	1,782.68	-7.27	0.32
6,292	91.2	2.00	Drill right	Incl	4,847	1,815	1,814.64	-5.77	4.55
6,324	91.2	1.80	Drill right	Incl	4,846	1,847	1,846.61	-4.71	0.62
6,356	91.0	1.60	Drill right	Incl	4,846	1,879	1,878.59	-3.76	0.88
6,387	90.9	359.80	Drill right	Incl	4,845	1,910	1,909.58	-3.38	5.81
6,419	91.1	0.00	Drill right	Incl	4,845	1,942	1,941.58	-3.43	0.88
6,450	91.0	0.30	Drill right	Incl	4,844	1,973	1,972.57	-3.35	1.02
6,482	91.4	359.90	Drill right	Incl	4,843	2,005	2,004.57	-3.30	1.77
6,514	91.5	359.10	Drill right	Incl	4,843	2,037	2,036.56	-3.58	2.52
6,546	91.6	359.00	Drill right	Incl	4,842	2,069	2,068.54	-4.11	0.44
6,577	90.0	359.00	Drill right	Incl	4,841	2,100	2,099.53	-4.65	5.16
6,609	90.1	359.20	Drill right	Incl	4,841	2,132	2,131.53	-5.15	0.70
6,640	89.8	358.60	Drill right	Incl	4,841	2,163	2,162.52	-5.74	2.16



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

Survey JOCHEMS 2721 2-2H

Step #1 - Create a Deviation Survey

Step

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

Survey Data

MD (ft)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ft)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
6,672	89.4	358.40	Drill right	Incl	4,842	2,195	2,194.51	-6.58	1.40
6,705	90.1	358.80	Drill right	Incl	4,842	2,228	2,227.50	-7.39	2.44
6,737	90.4	0.00	Drill right	Incl	4,842	2,259	2,259.50	-7.72	3.87
6,768	91.3	0.50	Drill right	Incl	4,841	2,290	2,290.49	-7.59	3.32
6,800	91.6	0.60	Drill right	Incl	4,840	2,322	2,322.48	-7.28	0.99
6,831	91.8	0.20	Drill right	Incl	4,839	2,353	2,353.47	-7.07	1.44
6,863	91.2	1.40	Drill right	Incl	4,838	2,385	2,385.45	-6.62	4.19
6,895	90.1	2.20	Drill right	Incl	4,838	2,417	2,417.43	-5.61	4.25
6,927	90.5	2.70	Drill right	Incl	4,838	2,449	2,449.40	-4.25	2.00
6,959	91.8	3.60	Drill right	Incl	4,837	2,481	2,481.35	-2.49	4.94
6,990	91.6	3.10	Drill right	Incl	4,836	2,512	2,512.28	-0.68	1.74
7,022	89.7	1.60	Drill right	Incl	4,836	2,544	2,544.25	0.64	7.56
7,054	89.6	1.30	Drill right	Incl	4,836	2,576	2,576.24	1.44	0.99
7,085	89.1	2.20	Drill right	Incl	4,837	2,607	2,607.22	2.39	3.32
7,117	89.4	2.10	Drill right	Incl	4,837	2,639	2,639.20	3.59	0.99
7,148	90.0	2.70	Drill right	Incl	4,837	2,670	2,670.17	4.89	2.74
7,181	90.2	3.20	Drill right	Incl	4,837	2,703	2,703.12	6.59	1.63
7,213	90.2	4.90	Drill right	Incl	4,837	2,735	2,735.04	8.85	5.31
7,244	90.5	1.60	Drill right	Incl	4,837	2,766	2,765.99	10.61	10.69
7,276	91.0	359.40	Drill right	Incl	4,836	2,798	2,797.98	10.88	7.05
7,308	90.8	358.80	Drill right	Incl	4,836	2,830	2,829.97	10.38	1.98
7,339	90.9	358.70	Drill right	Incl	4,835	2,861	2,860.96	9.71	0.46
7,371	91.2	358.70	Drill right	Incl	4,835	2,893	2,892.95	8.98	0.94
7,403	91.8	359.00	Drill right	Incl	4,834	2,925	2,924.93	8.34	2.10
7,435	90.9	358.10	Drill right	Incl	4,833	2,957	2,956.91	7.53	3.98
7,467	91.1	358.40	Drill right	Incl	4,833	2,989	2,988.89	6.55	1.13
7,498	89.9	358.50	Drill right	Incl	4,832	3,020	3,019.88	5.71	3.88
7,530	89.8	358.00	Drill right	Incl	4,832	3,052	3,051.86	4.74	1.59
7,561	89.2	358.30	Drill right	Incl	4,833	3,083	3,082.85	3.73	2.16
7,593	89.3	358.20	Drill right	Incl	4,833	3,115	3,114.83	2.76	0.44
7,625	89.2	358.20	Drill right	Incl	4,834	3,147	3,146.81	1.75	0.31
7,657	89.2	357.90	Drill right	Incl	4,834	3,179	3,178.79	0.66	0.94
7,688	89.3	358.00	Drill right	Incl	4,834	3,210	3,209.77	-0.44	0.46
7,719	89.6	359.40	Drill right	Incl	4,835	3,241	3,240.76	-1.15	4.62
7,751	90.3	0.20	Drill right	Incl	4,835	3,273	3,272.75	-1.26	3.32
7,783	90.5	0.20	Drill right	Incl	4,835	3,305	3,304.75	-1.15	0.62
7,814	90.3	1.20	Drill right	Incl	4,834	3,336	3,335.75	-0.77	3.29
7,846	90.4	0.70	Drill right	Incl	4,834	3,368	3,367.75	-0.24	1.59
7,877	90.7	0.90	Drill right	Incl	4,834	3,399	3,398.74	0.19	1.16
7,909	90.9	1.30	Drill right	Incl	4,833	3,431	3,430.73	0.81	1.40
7,941	90.1	0.70	Drill right	Incl	4,833	3,463	3,462.72	1.37	3.12
7,973	89.9	0.30	Drill right	Incl	4,833	3,495	3,494.72	1.65	1.40
8,005	89.8	359.90	Drill right	Incl	4,833	3,527	3,526.72	1.70	1.29
8,037	89.9	359.40	Drill right	Incl	4,833	3,559	3,558.72	1.51	1.59
8,069	89.6	359.50	Drill right	Incl	4,833	3,591	3,590.72	1.20	0.99
8,100	89.7	359.30	Drill right	Incl	4,834	3,622	3,621.72	0.87	0.72
8,132	89.6	359.90	Drill right	Incl	4,834	3,654	3,653.72	0.65	1.90
8,163	89.6	359.60	Drill right	Incl	4,834	3,685	3,684.72	0.52	0.97
8,195	89.9	359.50	Drill right	Incl	4,834	3,717	3,716.71	0.26	0.99
8,227	89.9	359.50	Drill right	Incl	4,834	3,749	3,748.71	-0.01	0.00
8,259	90.1	359.40	Drill right	Incl	4,834	3,781	3,780.71	-0.32	0.70
8,290	90.5	359.20	Drill right	Incl	4,834	3,812	3,811.71	-0.70	1.44



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

Survey JOCHEMS 2721 2-2H

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)
8,322	90.9	359.30	Drill right	Incl	4,834	3,844	3,843.70	-1.12	1.29
8,354	90.7	359.00	Drill right	Incl	4,833	3,876	3,875.70	-1.59	1.13
8,385	89.6	359.20	Drill right	Incl	4,833	3,907	3,906.69	-2.08	3.61
8,417	89.5	358.20	Drill right	Incl	4,833	3,939	3,938.68	-2.81	3.14
8,449	89.1	358.30	Drill right	Incl	4,834	3,971	3,970.67	-3.78	1.29
8,481	87.6	359.30	Drill right	Incl	4,835	4,003	4,002.64	-4.45	5.63
8,512	87.4	359.00	Drill right	Incl	4,836	4,034	4,033.61	-4.91	1.16
8,544	87.2	359.70	Drill right	Incl	4,838	4,066	4,065.57	-5.28	2.27
8,575	87.4	359.50	Drill right	Incl	4,839	4,097	4,096.54	-5.49	0.91
8,607	86.9	359.40	Drill right	Incl	4,841	4,128	4,128.50	-5.80	1.59
8,639	87.1	359.10	Drill right	Incl	4,842	4,160	4,160.45	-6.22	1.13
8,671	87.4	359.30	Drill right	Incl	4,844	4,192	4,192.41	-6.66	1.13
8,703	87.6	359.30	Drill right	Incl	4,845	4,224	4,224.38	-7.05	0.62
8,734	87.5	359.30	Drill right	Incl	4,847	4,255	4,255.35	-7.43	0.32
8,766	87.2	359.10	Drill right	Incl	4,848	4,287	4,287.31	-7.88	1.13
8,797	87.2	359.20	Drill right	Incl	4,850	4,318	4,318.27	-8.34	0.32
8,828	87.3	358.90	Drill right	Incl	4,851	4,349	4,349.23	-8.85	1.02
8,860	87.5	359.50	Drill right	Incl	4,852	4,381	4,381.19	-9.30	1.97
8,891	87.6	359.60	Drill right	Incl	4,854	4,412	4,412.16	-9.54	0.46
8,923	87.5	359.90	Drill right	Incl	4,855	4,444	4,444.13	-9.68	0.99
8,955	87.4	0.10	Drill right	Incl	4,857	4,476	4,476.10	-9.68	0.70
8,987	87.5	359.80	Drill right	Incl	4,858	4,508	4,508.07	-9.71	0.99
9,019	87.5	359.90	Drill right	Incl	4,859	4,540	4,540.04	-9.79	0.31
9,050	87.5	359.20	Drill right	Incl	4,861	4,571	4,571.01	-10.04	2.26
9,082	87.4	359.70	Drill right	Incl	4,862	4,603	4,602.98	-10.34	1.59
9,113	87.4	359.80	Drill right	Incl	4,864	4,634	4,633.94	-10.48	0.32
9,145	87.4	359.50	Drill right	Incl	4,865	4,666	4,665.91	-10.67	0.94
9,167	87.2	359.50	Drill right	Incl	4,866	4,688	4,687.88	-10.86	0.91
9,217	87.2	359.50	Drill right	Incl	4,869	4,738	4,737.82	-11.30	0.00



*****Conductor, Rat and Mouse Hole Drilling Services*****

Ticket

Company:

Date: 8/7/2012

Sandridge

Drill Rig: Lariate 19	Location: Ford County	Lease Name: Jochems 2721 #2-2H DC 12343
---------------------------------	---------------------------------	--

<p>120' of 30" Drilled Conductor Hole 120' of 20" Conductor Pipe(.250 wall) 82ppf 6'x6' Cellar Tinhorn W/Protective Ring Drill & Install cellar 75' of 20" Drilled Moushole 75' of 16" Moushole Pipe Mobilization of Equipment & Road Permitting Fee Welding Services for Pipe & Lids Provided Equipment & Labor for Dirt Removal Provided Personal to Facilitate Digtess(One Call) Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe) 12 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe</p>	<p>AFE Number: <u>12343</u> Well Name: <u>Jochems 2721 #2-2H</u> Code: <u>850.010</u> Amount: <u>28,680.00</u> Co. Man: <u>Emil B...</u> Co. Man Sig: <u>[Signature]</u> Notes: _____</p>
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<p>Comments:) Thank You For Your Business If a caving formation and (or) water is found addition fee(s) will be add to cover the cost of tank trucks, vacuum trucks, and cement pump trucks. Prices figured on non-rocky soil conditions, if rock is present then there will be a surcharge.</p>	<p>Total \$28,680.00</p>
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The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: UNKNOWN	Quote #:	Sales Order #: 9770158
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Loven, Quincy	
Well Name: Jochems 2721	Well #: 2-2H	API/UWI #: 15-057-20832	
Field:	City (SAP): UNKNOWN	County/Parish: Ford	State: Kansas
Legal Description: Section 2 Township 27S Range 21W			
Contractor: Lariat		Rig/Platform Name/Num: 41	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: VILLANUEVA, EDUARDO	MBU ID Emp #: 341956

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DUCSAK, JAMES Joseph	16	518883	JOHNSON, MATTHEW Warren	16	525955	MOORE, JEFFREY Dustin	16	491132
NORTON, BRUCE Wayne	16	499926	VILLANUEVA, EDUARDO	16	341956			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240236	85 mile	10244148	85 mile	10825440	85 mile	10924982	85 mile
11027051	85 mile	11706682	85 mile	11715799	85 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8-25-2012	11	5.5						
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	1150. ft	1150. ft	5. ft				26 - Aug - 2012	01:00	CST	
											26 - Aug - 2012	09:00	CST	
											26 - Aug - 2012	16:30	CST	
											26 - Aug - 2012	17:50	CST	
											26 - Aug - 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
12.25" Open Hole				12.25					850.		
12.25" Open Hole- Lower				12.25				850.	1150.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1150.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	255.0	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							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	250.0	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							
4	Displacement (TBC)		86.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	88	Shut In: Instant		Lost Returns	NO	Cement Slurry	150	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	50	Actual Displacement	88	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating	5	Mixing	5	Displacement	5	Avg. Job			
Cement Left In Pipe	Amount	42 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 #: 2947731	Quote #:	Sales Order #: 9792452
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Loven, Quincy	
Well Name: Jochems 2721	Well #: 2-2H	API/UWI #: 15-057-20832	
Field:	City (SAP): FORD	County/Parish: Ford	State: Kansas
Legal Description: Section 2 Township 27S Range 21W			
Contractor: Lariat		Rig/Platform Name/Num: 41	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: AGUILERA, FABIAN	MBU ID Emp #: 442123

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	11	442123	HEIDT, JAMES Nicholas	11	517102	RAMIREZ, JORGE M.	11	498481

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
9/05/2012	11	1.5						
TOTAL			<i>Total is the sum of each column separately</i>					

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	5252. ft			On Location	04 - Sep - 2012	20:00	CST
Job depth MD		BHST	Job Depth TVD	On Location	05 - Sep - 2012	03:00	CST
Water Depth		5252. ft	5252. ft	Job Started	05 - Sep - 2012	11:05	CST
Perforation Depth (MD)		Wk Ht Above Floor	5. ft	Job Completed	05 - Sep - 2012	12:29	CST
	From		To	Departed Loc	05 - Sep - 2012	15:00	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
8.75" Open Hole				8.75				1150.	5308.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5308.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1171.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 7, HW, 5.66 MIN/6.54 MAX CS	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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
1	Rig Supplied Gel Spacer		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	200.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement (TBC)		197.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	197 BBL	Shut In: Instant		Lost Returns	0	Cement Slurry	76 BBL	Pad	
Top Of Cement	2547 FT	5 Min		Cement Returns	0	Actual Displacement	197 BBL	Treatment	
Frac Gradient		15 Min		Spacers	30 BBL	Load and Breakdown		Total Job	
Rates									
Circulating	3	Mixing	5	Displacement	5	Avg. Job			
Cement Left In Pipe	Amount	42 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 #: 2947731	Quote #:	Sales Order #: 9807027
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Muze, John	
Well Name: Jochems 2721	Well #: 2-2H	API/UWI #: 15-057-20832	
Field:	City (SAP):	County/Parish: Ford	State: Kansas
Legal Description: Section 2 Township 27S Range 21W			
Contractor: Lariat		Rig/Platform Name/Num: 41	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: VILLANUEVA, EDUARDO	MBU ID Emp #: 341956

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JOURNAGAN, MICHAEL D	20	524224	LOPEZ, CRISTIAN Adrian	20	488085	RAMIREZ, JORGE M.	20	498481
VILLANUEVA, EDUARDO	20	341956						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10804587	85 mile	10825440	85 mile	10866807	85 mile	10924982	85 mile
10998524	85 mile	11019295	85 mile	11706682	85 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9-11-12			9-12-12	16	4			

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	11 - Sep - 2012	19:00	CST
	9227. ft		4870. ft	Job Started	12 - Sep - 2012	10:00	CST
				Job Completed	12 - Sep - 2012	14:00	CST
				Departed Loc	12 - Sep - 2012	15:30	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
6.125" Open Hole				6.125				5308.	9227.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	4903.	9227.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5308.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4903.		

Tools and Accessories

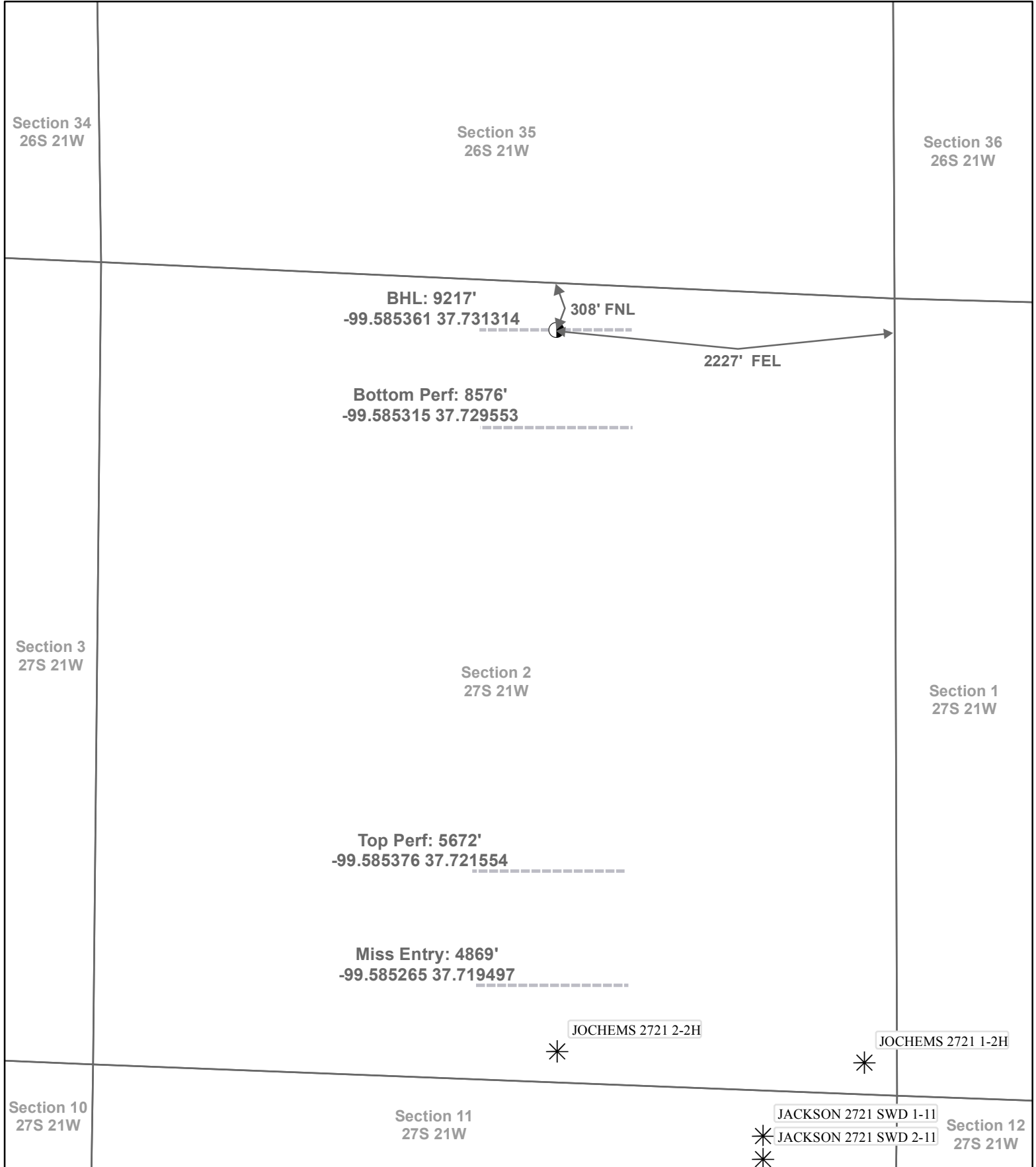
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

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
1	Rig Supplied Gel Spacer		20.00	bbl	8.5	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	450.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Displacement (TBC)		110.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	110	Shut In: Instant		Lost Returns	NO	Cement Slurry	123	Pad	
Top Of Cement	4897 ft.	5 Min		Cement Returns	15	Actual Displacement	110	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating	4	Mixing	4	Displacement	4	Avg. Job	4		
Cement Left In Pipe	Amount	80 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					



SANDRIDGE
THE POWER OF US™

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

Actual Bottom-Hole Location of Jochems 2721 2-2H
 Ford County, Kansas
 T&R: 27S 21W
 Section: 2, 227' FEL & 308' FNL
 Long/Lat: -99.585361 37.731314
 1 in = 833 ft

0 625 1,250 2,500 Feet

Draftsman: Aaron Birk	Draft Date: 11/12/2012
Drawing Name/Number: Addendum_Jochems_ 2-2H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Back to Well Completion

Jochems 2721 2-2H (1093553)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

[Add Attachment](#)

Remarks

Remarks to KCC	
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[Add Remark](#)

Remarks

Tiffany Additional Fluid Mgmt Info: 700bbls hauled to LoJo Disposal, Pit #1, SW/4 10-26N-15W, Woods, OK;
 Golay 330bbls hauled to Gray Mud Disposal, SW/4 15-24S-7W, Garfield, OK; 420bbls hauled to Weinett Disposal
 11/21/012LLC, NW/4 Section 1079 Block 43, Lipscomb, TX; 980bbls hauled to Guard Inc, 23-22N-13W, Major, OK;
 10:26 am 890bbls hauled to Chaosland Disposal, SE/4 33-29S-37W, Grant, KS, KDH permit # 890.

Tiffany
 Golay
 11/19/012 Conductor weight= 94 lbs/ft
 11:05 am