Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1108863

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: Jarret Borell
Purchaser: 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 #:

12/20/2012	1/18/2013	2/16/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-057-20867-01-00
Spot Description:
NE - NW - NW - NW Sec. 24 Twp. 29 S. R. 22 ☐ East ☑ West
200 Feet from ☑ North / ☐ South Line of Section
400 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: Ford
Lease Name: James 2922 Well #: 1-13H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2437 Kelly Bushing: 2457
Total Vertical Depth: 9999 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 918 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: 10000 ppm Fluid volume: 3260 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: 04/15/2013
☑ **Confidential Release Date:** 04/15/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 04/16/2013

1108863

Operator Name: SandRidge Exploration and Production LLC Lease Name: James 2922 Well #: 1-13H

Sec. 24 Twp. 29 S. R. 22 ☐ East ☑ West County: Ford

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:

Porosity
Induction

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Heebner	4343	
Lansing	4497	
Cherokee	5095	
Mississippian Unc	5217	

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. 2/17/2013

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	James 2922 1-13H
Doc ID	1108863

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9728-10094	4257 bbls water, 36 bbls acid, 75M lbs sd, 4255 TLTR	
5	9292-9618	4178 bbls water, 108 bbls acid, 75M lbs sd, 8952 TLTR	
5	8884-9188	4172 bbls water, 108 bbls acid, 75M lbs sd, 13332 TLTR	
5	8473-8798	4166 bbls water, 108 bbls acid, 75M lbs sd, 17750 TLTR	
5	7997-8348	4276 bbls water, 108 bbls acid, 75M lbs sd, 22322 TLTR	
5	7552-7886	4151 bbls water, 108 bbls acid, 75M lbs sd, 26836 TLTR	
5	7132-7454	4145 bbls water, 108 bbls acid, 75M lbs sd, 31181 TLTR	
5	6672-6976	4138 bbls water, 108 bbls acid, 75M lbs sd, 35126 TLTR	
5	6282-6564	4132 bbls water, 108 bbls acid, 75M lbs sd, 38586 TLTR	
5	5880-6206	4125 bbls water, 108 bbls acid, 75M lbs sd, 42204 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	James 2922 1-13H
Doc ID	1108863

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5460-5800	4119 bbls water, 108 bbls acid, 75M lbs sd, 47379 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	James 2922 1-13H
Doc ID	1108863

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	90	Pro Oilfield Services 10 Sack Grout	10	none
Surface	12.25	9.63	36	918	Halliburton Extendacem and Swiftcem Systems	355	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5681	Halliburton Econocem and Halcem Systems	300	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Production Liner	6.12	4.5	11.6	9999	Halliburton Econocem System	500	.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

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

January 21, 2013

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

Re: ACO1
API 15-057-20867-01-00
James 2922 1-13H
NW/4 Sec.24-29S-22W
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

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date
James 2922 1-13H	359.93						1/22/13
Job Number	Type of Survey	Tie-in Point				Directional Co.	
0							

Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
0	0	0		0.00	0.00	0.00	0.00			
295	1	0	295	294.99	1.80	1.80	0.00	0.24	0.24	0.00
615	1	0	320	614.97	5.99	5.99	0.00	0.03	0.03	0.00
900	0	0	285	899.95	8.98	8.98	0.00	0.14	-0.14	0.00
1163	1	89	263	1,162.94	9.91	9.92	1.61	0.30	0.11	33.92
1620	1	106	457	1,619.88	8.62	8.64	9.00	0.12	0.11	3.68
2076	1	132	456	2,075.81	5.19	5.21	15.97	0.13	-0.09	5.59
2532	1	140	456	2,531.73	-0.88	-0.86	21.69	0.11	0.11	1.84
2988	1	136	456	2,987.67	-6.27	-6.23	26.41	0.18	-0.18	-0.96
3445	0	36	457	3,444.66	-7.04	-7.01	28.28	0.12	-0.07	-21.84
3902	1	152	457	3,901.65	-9.57	-9.53	30.42	0.22	0.15	25.47
4267	1	184	365	4,266.59	-15.92	-15.88	31.53	0.17	0.08	8.60
4326	1	190	59	4,325.58	-16.99	-16.95	31.41	0.55	-0.51	11.53
4356	1	226	30	4,355.57	-17.37	-17.33	31.22	1.78	-0.33	120.33
4387	1	301	31	4,386.57	-17.35	-17.31	30.78	4.02	1.29	239.03
4417	3	335	30	4,416.56	-16.60	-16.56	30.23	5.52	4.33	115.00
4448	4	345	31	4,447.50	-14.86	-14.83	29.64	6.08	5.81	31.61
4478	6	350	30	4,477.38	-12.28	-12.25	29.09	5.23	5.00	17.67
4509	8	355	31	4,508.16	-8.65	-8.61	28.62	6.66	6.45	14.19
4539	10	355	30	4,537.81	-4.10	-4.07	28.18	6.33	6.33	0.33
4570	12	352	31	4,568.25	1.74	1.78	27.49	8.20	8.06	-7.74
4600	14	352	30	4,597.45	8.53	8.57	26.56	6.67	6.67	0.00
4631	16	349	31	4,627.36	16.57	16.60	25.20	7.36	6.77	-10.97
4661	18	346	30	4,656.06	25.11	25.14	23.29	5.06	4.33	-9.00
4692	19	344	31	4,685.52	34.42	34.45	20.84	3.65	3.23	-5.48
4722	20	344	30	4,713.82	44.00	44.02	18.08	5.43	5.33	-3.00
4753	23	344	31	4,742.67	54.88	54.90	14.88	8.07	8.06	0.65
4783	25	343	30	4,770.12	66.49	66.51	11.45	7.34	7.33	-1.00
4814	28	345	31	4,797.92	79.70	79.71	7.76	9.12	8.71	6.13
4844	31	348	30	4,824.10	93.95	93.95	4.43	11.66	10.67	9.67
4875	31	351	31	4,850.72	109.58	109.58	1.53	4.31	0.32	8.39
4905	32	351	30	4,876.32	125.02	125.01	-0.94	3.35	3.33	0.67
4936	33	352	31	4,902.51	141.42	141.41	-3.42	3.21	2.90	2.58
4966	36	353	30	4,927.22	158.28	158.27	-5.71	11.79	11.67	3.00
4997	41	354	31	4,951.51	177.41	177.40	-7.89	13.88	13.55	4.84
5027	45	356	30	4,973.60	197.61	197.60	-9.68	14.03	13.67	4.67
5058	48	357	31	4,995.02	219.98	219.96	-11.08	11.58	10.97	5.16
5088	51	360	30	5,014.50	242.78	242.76	-11.69	11.84	10.00	8.33
5118	51	0	30	5,033.30	266.16	266.14	-11.73	1.69	1.33	########
5149	51	0	31	5,052.72	290.31	290.30	-11.66	1.31	-1.29	0.32
5179	50	360	30	5,071.73	313.53	313.52	-11.68	2.38	-2.00	1,198.33
5210	50	360	31	5,091.63	337.29	337.28	-11.83	2.27	-2.26	-0.32
5240	49	0	30	5,111.15	360.07	360.06	-11.83	2.85	-2.00	########
5271	49	360	31	5,131.55	383.41	383.40	-11.77	2.02	-1.61	1,159.68
5301	50	360	30	5,151.16	406.12	406.11	-11.79	4.01	4.00	0.33
5332	53	0	31	5,170.60	430.26	430.25	-11.70	8.77	8.71	########
5362	56	1	30	5,188.21	454.54	454.53	-11.38	10.50	10.33	2.33
5392	59	2	30	5,204.35	479.82	479.80	-10.72	12.54	12.33	2.67
5423	63	3	31	5,219.23	506.98	506.97	-9.57	13.21	12.90	3.23
5454	67	4	31	5,232.21	535.07	535.06	-7.90	12.92	12.58	3.23
5484	71	3	30	5,243.03	562.99	562.98	-6.17	11.21	11.00	-2.33
5514	74	3	30	5,252.30	591.48	591.48	-4.75	10.24	10.00	-2.33
5545	76	3	31	5,260.35	621.38	621.38	-3.37	9.40	9.35	0.97
5575	79	3	30	5,266.79	650.64	650.64	-1.96	8.01	8.00	-0.33
5606	81	2	31	5,272.33	681.12	681.12	-0.82	6.78	5.81	-3.55
5648	84	2	42	5,277.92	722.72	722.72	0.34	8.33	8.33	0.00
5710	87	2	62	5,282.84	784.49	784.50	2.07	4.35	4.35	0.00

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date
James 2922 1-13H	359.93						1/22/13
Job Number	Type of Survey	Tie-in Point				Directional Co.	
0							

Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
5741	87	1	31	5,284.46	815.44	815.45	2.82	1.82	1.29	-1.29
5773	87	1	32	5,286.14	847.39	847.40	3.30	2.52	-1.25	-2.19
5804	87	1	31	5,287.84	878.34	878.35	3.57	0.32	0.32	0.00
5835	87	1	31	5,289.38	909.30	909.31	3.92	1.88	1.61	0.97
5867	87	0	32	5,290.86	941.27	941.27	4.26	1.29	-0.31	-1.25
5898	88	360	31	5,292.22	972.24	972.24	4.28	2.60	1.29	1,159.03
5930	90	360	32	5,292.97	1,004.23	1,004.23	4.17	5.97	5.94	0.62
5961	90	360	31	5,292.97	1,035.23	1,035.23	4.12	2.58	2.58	0.00
5993	90	360	32	5,292.77	1,067.23	1,067.23	3.95	1.29	-0.31	-1.25
6024	91	360	31	5,292.56	1,098.22	1,098.23	3.68	0.65	0.65	0.00
6056	91	359	32	5,292.22	1,130.22	1,130.23	3.37	0.70	0.63	-0.31
6087	90	360	31	5,291.98	1,161.22	1,161.22	3.21	2.52	-1.61	1.94
6115	90	360	28	5,291.88	1,189.22	1,189.22	3.16	0.71	0.00	-0.71
6146	90	359	31	5,291.77	1,220.22	1,220.22	2.94	1.29	0.00	-1.29
6178	91	359	32	5,291.49	1,252.21	1,252.22	2.44	2.65	1.87	-1.87
6209	92	359	31	5,290.79	1,283.20	1,283.20	1.76	3.24	3.23	-0.32
6241	92	358	32	5,289.84	1,315.17	1,315.17	0.84	2.27	-0.63	-2.19
6272	92	358	31	5,288.87	1,346.14	1,346.14	-0.24	1.29	1.29	0.00
6304	92	357	32	5,287.81	1,378.10	1,378.09	-1.58	2.58	-0.63	-2.50
6335	92	357	31	5,286.73	1,409.03	1,409.03	-3.25	2.33	1.29	-1.94
6367	92	357	32	5,285.44	1,440.95	1,440.95	-5.15	0.62	0.63	0.00
6398	93	356	31	5,284.09	1,471.87	1,471.86	-7.04	0.91	0.65	-0.65
6430	92	356	32	5,282.78	1,503.77	1,503.76	-9.21	2.44	-1.56	-1.87
6474	87	354	44	5,283.31	1,547.59	1,547.57	-13.01	13.18	-12.73	-3.41
6524	87	355	50	5,286.15	1,597.28	1,597.26	-17.79	1.28	1.00	0.80
6556	90	356	32	5,286.96	1,629.17	1,629.15	-20.30	10.90	9.69	5.00
6587	91	357	31	5,286.63	1,660.12	1,660.09	-22.14	3.76	3.23	1.94
6619	92	358	32	5,285.82	1,692.08	1,692.05	-23.56	4.07	2.19	3.44
6650	93	359	31	5,284.61	1,723.05	1,723.02	-24.27	5.37	2.90	4.52
6682	94	359	32	5,282.88	1,755.00	1,754.97	-24.63	2.52	2.50	-0.31
6713	96	360	31	5,280.26	1,785.88	1,785.85	-24.90	8.80	8.71	1.29
6745	93	359	32	5,277.66	1,817.77	1,817.74	-25.34	10.18	-9.69	-3.13
6776	89	357	31	5,277.23	1,848.73	1,848.70	-26.62	16.31	-14.84	-6.77
6808	88	357	32	5,278.29	1,880.66	1,880.63	-28.54	2.52	-2.50	-0.31
6839	87	357	31	5,279.67	1,911.59	1,911.55	-30.21	3.04	-1.61	2.58
6870	88	359	31	5,280.91	1,942.55	1,942.51	-31.11	7.50	3.23	6.77
6902	90	1	32	5,281.30	1,974.54	1,974.50	-31.11	7.83	6.88	########
6933	91	1	31	5,281.03	2,005.54	2,005.50	-30.70	1.16	0.65	0.97
6965	91	1	32	5,280.61	2,037.53	2,037.49	-30.20	0.94	0.94	0.00
6996	91	1	31	5,280.07	2,068.52	2,068.49	-29.77	0.91	0.65	-0.65
7028	92	360	32	5,279.32	2,100.51	2,100.48	-29.57	2.69	1.56	1,122.81
7059	92	0	31	5,278.37	2,131.50	2,131.46	-29.52	1.16	0.97	########
7091	91	0	32	5,277.48	2,163.48	2,163.45	-29.38	1.90	-1.88	0.31
7122	92	360	31	5,276.72	2,194.47	2,194.44	-29.29	1.16	0.65	1,160.32
7154	92	360	32	5,275.86	2,226.46	2,226.43	-29.29	0.31	0.31	0.00
7185	92	0	31	5,274.99	2,257.45	2,257.41	-29.21	0.97	0.00	########
7217	90	1	32	5,274.46	2,289.44	2,289.41	-28.77	5.13	-4.06	3.13
7248	89	2	31	5,274.65	2,320.43	2,320.40	-27.98	4.30	-4.19	0.97
7280	89	2	32	5,275.15	2,352.41	2,352.38	-27.06	0.70	0.63	0.31
7311	90	2	31	5,275.42	2,383.39	2,383.36	-26.09	2.04	1.94	0.65
7343	90	2	32	5,275.42	2,415.38	2,415.35	-25.08	1.40	1.25	-0.63
7374	90	2	31	5,275.42	2,446.36	2,446.33	-24.08	1.61	-1.29	0.97
7405	90	2	31	5,275.50	2,477.34	2,477.31	-23.14	1.64	0.32	-1.61
7437	90	1	32	5,275.48	2,509.33	2,509.31	-22.41	1.56	0.94	-1.25
7468	90	0	31	5,275.37	2,540.33	2,540.30	-22.03	2.58	0.00	-2.58
7500	90	360	32	5,275.23	2,572.33	2,572.30	-22.06	2.21	0.31	1,122.81
7531	90	359	31	5,275.04	2,603.33	2,603.30	-22.38	1.33	0.32	-1.29

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date
James 2922 1-13H	359.93						1/22/13
Job Number	Type of Survey	Tie-in Point				Directional Co.	
0							

Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
7573	90	360	42	5,274.82	2,645.33	2,645.30	-22.68	1.96	-0.48	1.90
7605	90	2	32	5,274.79	2,677.32	2,677.29	-22.20	5.39	-0.94	########
7636	90	3	31	5,274.71	2,708.29	2,708.27	-21.01	3.61	1.61	3.23
7668	91	3	32	5,274.43	2,740.26	2,740.23	-19.50	0.62	0.62	0.00
7699	91	2	31	5,274.05	2,771.22	2,771.20	-18.15	1.44	0.65	-1.29
7731	91	3	32	5,273.55	2,803.19	2,803.17	-16.78	1.13	0.63	0.94
7762	91	4	31	5,272.95	2,834.13	2,834.12	-15.08	3.61	0.65	3.55
7794	90	4	32	5,272.65	2,866.06	2,866.05	-13.02	4.06	-4.06	0.00
7825	90	4	31	5,272.70	2,897.00	2,896.98	-11.04	0.32	0.00	-0.32
7857	90	4	32	5,272.70	2,928.93	2,928.92	-9.01	0.70	0.62	0.31
7888	90	3	31	5,272.81	2,959.88	2,959.87	-7.33	4.33	-1.94	-3.87
7920	91	3	32	5,272.81	2,991.84	2,991.83	-5.71	4.00	3.13	2.50
7951	91	3	31	5,272.54	3,022.79	3,022.78	-4.03	1.29	0.00	-1.29
7982	91	4	31	5,272.19	3,053.73	3,053.73	-2.28	2.46	0.97	2.26
8014	91	3	32	5,271.71	3,085.67	3,085.67	-0.41	1.59	0.31	-1.56
8045	90	2	31	5,271.44	3,116.63	3,116.64	1.03	3.88	-2.58	-2.90
8077	90	2	32	5,271.36	3,148.61	3,148.62	2.23	0.44	0.31	-0.31
8108	90	2	31	5,271.25	3,179.59	3,179.59	3.39	0.32	0.00	0.32
8140	91	2	32	5,271.05	3,211.56	3,211.57	4.53	1.33	0.94	-0.94
8171	90	1	31	5,270.95	3,242.55	3,242.56	5.37	2.97	-1.94	-2.26
8203	90	1	32	5,270.92	3,274.54	3,274.55	6.04	0.94	0.94	0.00
8234	91	1	31	5,270.73	3,305.54	3,305.55	6.53	2.16	0.97	-1.94
8266	91	0	32	5,270.31	3,337.53	3,337.55	6.78	1.82	1.56	-0.94
8297	91	1	31	5,269.69	3,368.53	3,368.54	7.00	1.16	0.97	0.65
8329	91	1	32	5,268.96	3,400.52	3,400.53	7.30	0.31	0.00	0.31
8360	91	1	31	5,268.45	3,431.51	3,431.52	7.66	2.28	-2.26	0.32
8392	91	1	32	5,268.09	3,463.50	3,463.52	8.10	0.70	0.31	0.63
8423	91	1	31	5,267.60	3,494.49	3,494.51	8.64	1.44	1.29	0.65
8455	90	0	32	5,267.43	3,526.49	3,526.50	8.98	5.90	-5.00	-3.13
8486	89	360	31	5,267.78	3,557.49	3,557.50	8.93	1.61	-0.97	1,160.00
8518	90	359	32	5,268.15	3,589.49	3,589.50	8.67	1.33	0.94	-0.94
8549	90	359	31	5,268.33	3,620.48	3,620.50	8.30	1.16	0.97	-0.65
8581	90	359	32	5,268.45	3,652.48	3,652.49	7.82	0.31	0.00	-0.31
8613	90	359	32	5,268.56	3,684.48	3,684.49	7.23	0.94	0.00	-0.94
8644	90	360	31	5,268.53	3,715.47	3,715.48	6.86	3.61	1.61	3.23
8697	90	0	53	5,268.25	3,768.47	3,768.48	6.81	0.57	0.00	-678.68
8729	91	0	32	5,267.95	3,800.47	3,800.48	6.87	1.56	1.56	0.00
8760	90	0	31	5,267.73	3,831.47	3,831.48	6.92	2.58	-2.58	0.00
8792	90	360	32	5,267.62	3,863.47	3,863.48	6.92	1.40	1.25	1,124.38
8823	89	0	31	5,267.70	3,894.47	3,894.48	6.95	3.68	-3.55	########
8855	89	1	32	5,268.20	3,926.46	3,926.47	7.25	2.52	-1.25	2.19
8886	89	1	31	5,268.77	3,957.45	3,957.46	7.88	1.64	0.32	1.61
8918	89	2	32	5,269.30	3,989.43	3,989.45	8.68	0.44	0.31	0.31
8950	88	2	32	5,270.11	4,021.41	4,021.42	9.63	3.66	-3.44	1.25
8981	87	2	31	5,271.49	4,052.35	4,052.37	10.77	3.78	-3.55	1.29
9013	87	2	32	5,273.16	4,084.28	4,084.30	12.05	0.62	0.62	0.00
9044	87	3	31	5,274.65	4,115.22	4,115.24	13.35	1.16	0.97	0.65
9076	88	3	32	5,276.05	4,147.16	4,147.18	14.74	0.62	0.62	0.00
9107	88	2	31	5,277.26	4,178.10	4,178.13	16.04	1.16	0.97	-0.65
9139	88	2	32	5,278.41	4,210.06	4,210.08	17.32	0.31	0.31	0.00
9170	89	2	31	5,279.33	4,241.01	4,241.04	18.57	1.94	1.94	0.00
9202	89	2	32	5,279.89	4,272.98	4,273.01	19.82	2.52	2.50	-0.31
9233	90	2	31	5,280.10	4,303.96	4,303.99	21.04	1.33	1.29	0.32
9265	89	2	32	5,280.52	4,335.93	4,335.96	22.21	3.66	-3.44	-1.25
9296	89	2	31	5,281.20	4,366.91	4,366.94	23.19	0.72	0.32	-0.65
9327	88	1	31	5,282.17	4,397.88	4,397.92	23.78	5.47	-3.87	-3.87
9359	88	0	32	5,283.54	4,429.85	4,429.89	23.95	1.29	-0.31	-1.25

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date
James 2922 1-13H	359.93						1/22/13
Job Number	Type of Survey	Tie-in Point				Directional Co.	
0							

Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
9390	88	0	31	5,284.76	4,460.83	4,460.86	24.06	1.74	1.61	0.65
9422	88	0	32	5,285.76	4,492.81	4,492.85	24.17	1.40	1.25	-0.63
9453	88	360	31	5,286.74	4,523.80	4,523.83	24.19	1.33	-1.29	1,160.97
9485	88	360	32	5,287.85	4,555.78	4,555.81	24.17	0.31	0.00	-0.31
9516	89	360	31	5,288.77	4,586.76	4,586.80	24.09	1.96	1.94	-0.32
9548	89	359	32	5,289.36	4,618.76	4,618.79	23.83	2.69	2.19	-1.56
9579	90	359	31	5,289.63	4,649.75	4,649.79	23.40	1.44	1.29	-0.65
9611	89	359	32	5,289.88	4,681.75	4,681.78	22.76	1.82	-0.94	-1.56
9642	89	358	31	5,290.34	4,712.73	4,712.76	21.84	2.52	-1.61	-1.94
9674	89	358	32	5,290.98	4,744.71	4,744.74	20.78	0.70	-0.31	0.62
9705	90	358	31	5,291.39	4,775.69	4,775.72	19.70	3.18	2.90	-1.29
9737	91	357	32	5,291.22	4,807.66	4,807.69	18.33	4.06	3.75	-1.56
9768	91	357	31	5,290.63	4,838.62	4,838.65	16.87	1.29	1.29	0.00
9800	92	357	32	5,289.73	4,870.58	4,870.60	15.39	1.90	1.88	0.31
9831	92	358	31	5,288.65	4,901.53	4,901.55	14.04	0.91	0.65	0.65
9862	92	357	31	5,287.49	4,932.48	4,932.50	12.69	0.72	0.32	-0.65
9907	93	358	45	5,285.60	4,977.40	4,977.42	10.77	1.11	0.89	0.67
9957	92	358	50	5,283.60	5,027.33	5,027.34	8.85	1.26	-1.20	0.40
10001	92	358	44	5,281.91	5,071.27	5,071.28	7.24	0.91	0.91	0.00
10051	92	358	50	5,279.81	5,121.18	5,121.20	5.23	0.80	0.00	-0.80
10096	93	358	45	5,277.66	5,166.09	5,166.10	3.31	1.57	1.56	0.22
10146	93	358	50	5,275.21	5,216.00	5,216.00	1.35	1.34	-1.20	0.60
10210	93	358	64	5,272.42	5,279.90	5,279.90	-0.99	0.00	0.00	0.00
0	0	0		5,272.42	5,279.90	5,279.90	-0.99			
0	0	0		5,272.42	5,279.90	5,279.90	-0.99			
0	0	0		5,272.42	5,279.90	5,279.90	-0.99			
0	0	0		5,272.42	5,279.90	5,279.90	-0.99			

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 : 3671
Delivery Date : 12/27/2012
Office : 12/1/1901

Ordered By :
Lease/Well : JAMES 2922 1-13H
Rig Name/Number : LARIAT 41
AFE Number :
Site Contact : Ford Co, KS

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	JAMES 2922 1-13H	$24,750.00	$0.00	$24,750.00	12/21/2012 12/21/2012	$24,750.00
120	DRILLED 30" CONDUCTOR HOLE	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
120	20" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
75	16" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
1	WELDING SERVICES FOR PIPE & LIDS	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
10	CEMENT 10 SACK GROUT	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
1	PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE	$0.00	$0.00	$0.00	12/21/2012 12/21/2012	
	Sub Total:	$24,750.00	$0.00			$24,750.00

Print Name

Signature

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2971097	**Quote #:**	**Sales Order #:** 900098366
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** ????, Quincy	
Well Name: James 2922	**Well #:** 1-13H		**API/UWI #:** 15-057-20867
Field:	**City (SAP):** BLOOM	**County/Parish:** Ford	**State:** Kansas
Legal Description: Section 24 Township 29S Range 22W			
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:** GALVAN, GEORGE	**MBU ID Emp #:** 447816	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GALVAN, GEORGE	12.5	447816	NASH, JONATHAN Clark	12.5	524600	SMITH, THOMAS Miles	12.5	493032

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
12-27-2012	7.5	0	2-28-2012	5	2			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	3027.7 m	**Job Depth TVD**	3027.7 m		
Water Depth		**Wk Ht Above Floor**	13.1 m		
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	27 - Dec - 2012	09:00	CST
On Location	27 - Dec - 2012	14:30	CST
Job Started	28 - Dec - 2012	01:05	CST
Job Completed	28 - Dec - 2012	02:10	CST
Departed Loc	28 - Dec - 2012	05:00	CST

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
12.25" Open Hole				12.25				.	900.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	900.		

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 kg/m3	Yield m3/sk	Mix Fluid m3/ tonne	Rate m3/min	Total Mix Fluid m3/ tonne

HALLIBURTON

Cementing Job Summary

1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	180.0	sacks	12.4	2.11	11.57		11.57
3 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.25 lbm		POLY-E-FLAKE (101216940)							
11.571 Gal		FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	175.0	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		66.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	68	Shut In: Instant		Lost Returns		Cement Slurry	104	Pad	
Top Of Cement		5 Min		Cement Returns	15	Actual Displacement	68	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	

Rates							
Circulating		Mixing	5	Displacement	4	Avg. Job	4.5

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

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2971097	**Quote #:**	**Sales Order #:** 900114260
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** ????, Quincy	
Well Name: James 2922	**Well #:** 1-13H		**API/UWI #:** 15-057-20867
Field:	**City (SAP):** BLOOM	**County/Parish:** Ford	**State:** Kansas
Legal Description: Section 24 Township 29S Range 22W			
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:** RODRIGUEZ, EDGAR	**MBU ID Emp #:** 442125	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JOURNAGAN, MICHAEL	7	524224	RAMIREZ, JORGE	7	498481	RODRIGUEZ, EDGAR Alejandro	7	442125

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
1/6/2013	7	3						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	5681. ft	**Job Depth TVD**	5700. ft		
Water Depth		**Wk Ht Above Floor**	6. ft		
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	06 - Jan - 2013	05:00	CST
On Location	06 - Jan - 2013	11:00	CST
Job Started	06 - Jan - 2013	16:23	CST
Job Completed	06 - Jan - 2013	17:48	CST
Departed Loc	06 - Jan - 2013	19:20	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				900.	5704.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5704.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	900.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,7,HWE,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	7	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	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

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/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	1.53	7.24		7.24
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.24 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		214.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	214	Shut In: Instant		Lost Returns		Cement Slurry	76	Pad	
Top Of Cement	2954.57	5 Min		Cement Returns		Actual Displacement	214	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	320

Rates

Circulating	5	Mixing	5	Displacement	5	Avg. Job	5

Cement Left In Pipe	Amount	79 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

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2971097	**Quote #:**	**Sales Order #:** 900150891
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Cummings, Parker	
Well Name: James 2922	**Well #:** 1-13H		**API/UWI #:** 15-057-20867
Field:	**City (SAP):** BLOOM	**County/Parish:** Ford	**State:** Kansas
Legal Description: Section 24 Township 29S Range 22W			
Contractor: LARIAT	**Rig/Platform Name/Num:** Lariat 41		
Job Purpose: Cement Production Liner			
Well Type: Development Well	**Job Type:** Cement Production Liner		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** CARRILLO, EDUARDO	**MBU ID Emp #:** 371263	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARELLANO, JOSE L	4	480847	CARRILLO, EDUARDO Carrillo	5.5	371263	LUNA, JOSE A	5.5	480456
McKinley, Mark	4	12029493	MENDOZA, VICTOR	4	442596			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744298C	85 mile	10988832	85 mile	11133699	85 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1/19/2013	2	1	1/20/2013	6.5	2.5			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	10210. ft	**Job Depth TVD**	10210. ft		
Water Depth		**Wk Ht Above Floor**	6. ft		
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	19 - Jan - 2013	18:00	CST
On Location	19 - Jan - 2013	22:00	CST
Job Started	20 - Jan - 2013	03:28	CST
Job Completed	20 - Dec - 2012	04:48	GMT
Departed Loc	20 - Jan - 2013	06:20	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				5704.	10173.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5306.	10173.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5704.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5306.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	4 ½	1	W
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

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.3	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	500.0	sacks	13.6	1.53	7.24		7.24
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.24 Gal	FRESH WATER							
3	Displacement		132.00	bbl	8.33	.0	.0	.0	

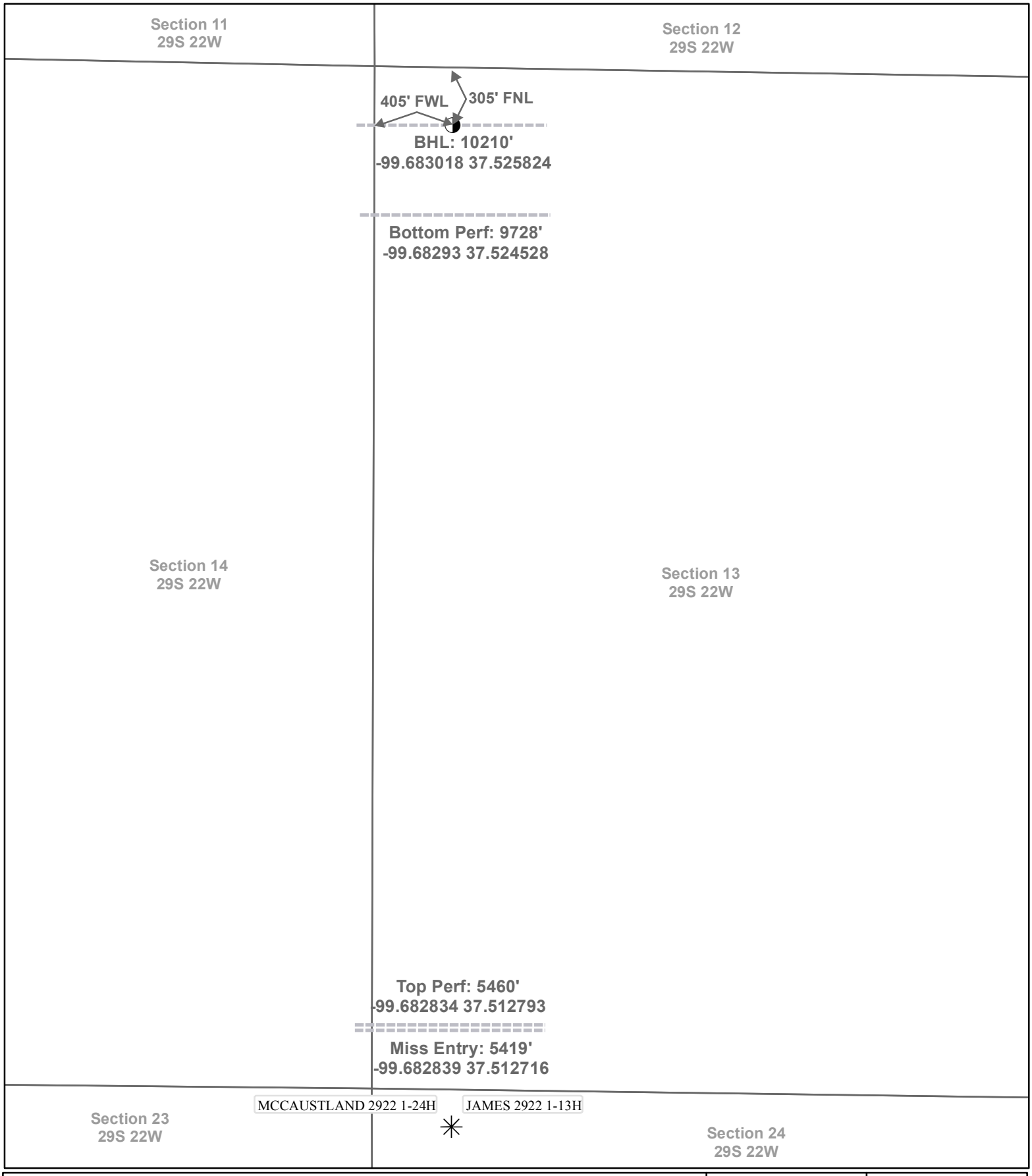
Calculated Values		Pressures		Volumes					
Displacement	124	Shut In: Instant		Lost Returns	0	Cement Slurry	136	Pad	
Top Of Cement	3920	5 Min		Cement Returns	0	Actual Displacement	124	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	290

Rates							
Circulating	6	Mixing	6	Displacement	5.5	Avg. Job	5

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 James 2922 1-13H
Ford County, Kansas
T&R: 29S 22W
Section: 13, 405' FWL & 305' FNL
Long/Lat:-99.683018 37.525824

1 in = 667 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 4/9/2013
Drawing Name/Number: Addendum_James_1-13H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date	**2/11/2013**
State:	**Kansas**
County:	**Ford**
API Number:	**15-057-20867**
Operator Name:	**SandRidge Expl. And Prod., LLC**
Well Name and Number:	**James 2922 1-13H**
Longitude:	**-99.6823**
Latitude:	**37.5113**
Long/Lat Projection:	**NAD27**
Production Type:	**Oil**
True Vertical Depth (TVD):	**5,272**
Total Water Volume (gal)*:	**1,962,585**

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
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent	Water (Including Mix Water Supplied by Client)*	-		94.70323%	
			Crystalline silica	14808-60-7	90.86778%	4.81306%	
			Hydrogen chloride	7647-01-0	7.80686%	0.41351%	
			Methanol	67-56-1	0.29004%	0.01536%	
			Distillates (petroleum), hydrotreated light	64742-47-8	0.21394%	0.01133%	
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.17829%	0.00944%	
			Alcohol, C11 linear, ethoxylated	34398-01-1	0.13110%	0.00694%	
			Ammonium chloride	12125-02-9	0.10251%	0.00543%	
			Alcohol, C9-C11, Ethoxylated	68439-46-3	0.08740%	0.00463%	
			Glutaraldehyde	111-30-8	0.07244%	0.00384%	
			Sodium erythorbate	6381-77-7	0.03602%	0.00191%	
			Trisodium ortho phosphate	7601-54-9	0.03406%	0.00180%	
			Fatty acids, tall-oil	61790-12-3	0.01991%	0.00105%	
			Ethoxylated oleic acid	9004-96-0	0.01783%	0.00094%	
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.01639%	0.00087%	
			Sorbitan monooleate	1338-43-8	0.01560%	0.00083%	
			Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.01294%	0.00069%	
			Sorbitol Tetraoleate	61723-83-9	0.01114%	0.00059%	
			Ethane-1,2-diol	107-21-1	0.00969%	0.00051%	
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00927%	0.00049%	
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00918%	0.00049%	

			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00918%	0.00049%	
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00763%	0.00040%	
			Prop-2-yn-1-ol	107-19-7	0.00508%	0.00027%	
			C14 alpha olefin ethoxylate	84133-50-6	0.00490%	0.00026%	
			2-Propenoic acid, ammonium salt	10604-69-0	0.00446%	0.00024%	
			Alkenes, C>10 a-	64743-02-8	0.00339%	0.00018%	
			Ethanol	64-17-5	0.00155%	0.00008%	

* 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%

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

Remarks

Tiffany Golay 04/15/013 08:32 am	TVD 5,272'
Tiffany Golay 03/28/013 10:55 am	Conductor weight: 94 lbs/ft Production Liner depth: 10,210'
Tiffany Golay 01/21/013 08:39 am	TD: 10,210