



Confidentiality Requested:

Yes No

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: _____

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ 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: <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	Lake 1-21H
Doc ID	1078980

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	8937.5-40, 8797.5-8800, 8657.5-60	Frac w/ 4282 bbls Slickwater, 36 bbls 15% NeFe HCl, 47M lbs 40/70 sd & 28M lbs 30/50 sd, 4318 TLTR	
6	8515-17.5; 8375-77.5; 8235-37.5	Frac w 4287 bbls Slickwater, 44 bbls 15% NeFe HCl, 44M lbs 40/70 sd & 31M lbs 30/50 sd, 8814 TLTR	
6	8092.5-95; 7952.5-55; 7812.5-15	Frac w/ 5853 bbls Slickwater, 35 bbls 15% NeFe HCl, 44M lbs 40/70 sd & 30M lbs 30/50 sd, 14860 TLTR	
6	7670-72.5; 7530-32.5; 7390-95.5	Frac w/ 4600 bbls Slickwater, 42 bbls 15% NeFe HCl, 44M lbs 40/70 sd & 29M lbs 30/50 sd, 19642 TLTR	
6	7247.5-50; 7107.5-10; 6967.5-70	Frac w/ 4421 bbls Slickwater, 36 bbls 15% NeFe HCl, 45M lbs 40/70 sd & 30M lbs 30/50 sd, 24219 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lake 1-21H
Doc ID	1078980

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	6825-27.5; 6685-87.5; 6545-47.5	Frac w/ 4165 bbls Slickwater, 36 bbls 15% NeFe HCl, 46M lbs 40/70 sd & 31M lbs 30/50 sd, 28490 TLTR	
6	6402.5-05; 6262.5-65; 6122.5-25	Frac w/ 4073 bbls Slickwater, 36 bbls 15% NeFe HCl, 45M lbs 40/70 sd & 30M lbs 30/50 sd, 32655 TLTR	
6	5980-82.5; 5840-42.5; 5700-02.5	Frac w/ 4375 bbls Slickwater, 36 bbls NeFe HCl, 43M lbs 40/70 sd & 39M lbs 30/50 sd, 37124 TLTR	
6	5575.5-60; 5417.5-20; 5277.5-80	Frac w/ 4090 bbls Slickwater, 34 bbls NeFe HCl, 43M lbs 40/70 sd & 30M lbs 30/50 sd, 41288 TLTR	
6	5135-37.5, 4995-97.5; 4855-57.5	Frac w/ 4265 bbls Slickwater, 52 bbls 15% NeFe HCl, 43M lbs 40/70 sd & 29M lbs 30/50 sd, 45261 TLTR	

Summary of Changes

Lease Name and Number: Lake 1-21H

API/Permit #: 15-077-21747-01-00

Doc ID: 1078980

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	01/26/2012	04/18/2012
Save Link	../../../../kcc/detail/operatorE ditDetail.cfm?docID=10 69704	../../../../kcc/detail/operatorE ditDetail.cfm?docID=10 78980
Well Type	GAS	OIL



CONFIDENTIAL

WELL COMPLETION FORM

Form Must Be Typed
Form must be Signed
All blanks must be Filled

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1069704

Operator Name: _____ Lease Name: _____ Well #: _____

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lake 1-21H
Doc ID	1069704

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	8937.5-40, 8797.5-8800, 8657.5-60	Frac w/ 4282 bbls Slickwater, 36 bbls 15% NeFe HCl, 47M lbs 40/70 sd & 28M lbs 30/50 sd, 4318 TLTR	
6	8515-17.5; 8375-77.5; 8235-37.5	Frac w 4287 bbls Slickwater, 44 bbls 15% NeFe HCl, 44M lbs 40/70 sd & 31M lbs 30/50 sd, 8814 TLTR	
6	8092.5-95; 7952.5-55; 7812.5-15	Frac w/ 5853 bbls Slickwater, 35 bbls 15% NeFe HCl, 44M lbs 40/70 sd & 30M lbs 30/50 sd, 14860 TLTR	
6	7670-72.5; 7530-32.5; 7390-95.5	Frac w/ 4600 bbls Slickwater, 42 bbls 15% NeFe HCl, 44M lbs 40/70 sd & 29M lbs 30/50 sd, 19642 TLTR	
6	7247.5-50; 7107.5-10; 6967.5-70	Frac w/ 4421 bbls Slickwater, 36 bbls 15% NeFe HCl, 45M lbs 40/70 sd & 30M lbs 30/50 sd, 24219 TLTR	

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

January 19, 2012

John-Mark Beaver
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21747-01-00
Lake 1-21H
SW/4 Sec.21-34S-06W
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,
John-Mark Beaver



Current

Spud:

Field: Waldron West
 County: Harper
 State: Kansas
 Well: Lake 1-21H
 Location: SEC 21, TWP 34S, RGE 6W
 KB: 1323
 GL: 1301

Wellbore Schematic

1507-721-74701
 API No.

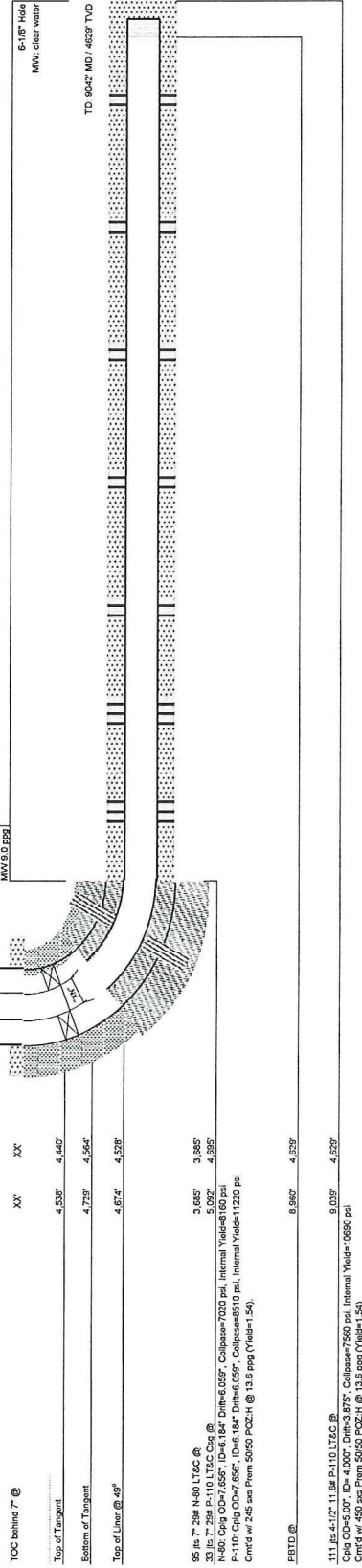
Original Completion	Current	Proposed
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Well Bore Data

MD	TVD
700'	700'

18 in 9.50" 384 J-55 L16C Csg @
 Cpg OD=10.625", ID=8.921" Drift=3.785", Collapse=2020 psi, Internal Yield=320 psi
 Cmt'd w/ 250 sac Econocom @ 12.4 ppg (Yield=2.12), followed by
 100 sac Sid @ 15.6 ppg (Yield=1.2).

KB	Length	Bottom
J5 2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
GLV #7	0.0	0.0
J5 2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
GLV #6	0.0	0.0
J5 2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
GLV #5	0.0	0.0
J5 2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
GLV #4	0.0	0.0
J5 2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
GLV #3	0.0	0.0
J5 2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
GLV #2	0.0	0.0
J5 2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
GLV #1	0.0	0.0
J5 2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
2-7/8" 6.5# J-55 Bld EUE	0.0	0.0
1 1/2" 2-7/8" 6.5# J-55 Pcp	0.0	0.0
2-7/8" XN nipple	0.0	0.0
WLEG	4.6260	4.6260



	Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-)		Eastings (+) Westings (-)		DLS/100 (deg)	FNL FSL FWL FEL			
					(ft)	(ft)	(ft)	(ft)		(ft)	(ft)	(ft)	(ft)
SHL	0	0	0	0	0	0	0	0	0	5080.00	200.00	1980.00	3300.00
BHL	9041	91.70	359.80	4628.45	4729.63	-71.56	0.00	0.00	0.00	350.37	4929.63	1908.44	3371.56
Miss Entry	4831	57.95	359.13	4623.81	535.05	-5.27	9.51	4544.95	735.05	1974.73	3305.27		
Top Perf	4855	60.20	359.80	4636.27	555.56	-5.50	9.68	4524.44	755.56	1974.50	3305.50		
Bottom Perf	8940	92.09	359.19	4631.72	4628.69	-70.81	1.36	451.31	4828.69	1909.19	3370.81		

	Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-)		Eastings (+) Westings (-)		DLS/100 (deg)	FNL FSL FWL FEL			
					(ft)	(ft)	(ft)	(ft)		(ft)	(ft)	(ft)	(ft)
	0	0	0	0	0	0	0	0	0	5080.00	200.00	1980.00	3300.00
	235	0	150	235	0	0	0	0	0	5080.18	199.82	1980.10	3299.90
	586	0.10	149.70	586.00	-0.71	0.41	0.00	5080.71	199.29	1980.41	3299.59		
	740	0.20	149.70	740.00	-1.05	0.62	0.06	5081.05	198.95	1980.62	3299.38		
	785	0.30	149.70	785.00	-1.22	0.72	0.22	5081.22	198.78	1980.72	3299.28		
	1282	0.40	130.50	1281.99	-3.47	2.69	0.03	5083.47	196.53	1982.69	3297.31		
	1724	0.30	58.90	1723.98	-3.88	4.85	0.09	5083.88	196.12	1984.85	3295.15		
	2193	0.50	198.70	2192.98	-5.18	5.25	0.16	5085.18	194.82	1985.25	3294.75		
	2672	0.70	146.80	2671.95	-9.61	6.18	0.12	5089.61	190.39	1986.18	3293.82		
	3146	0.40	66.10	3145.94	-11.36	9.28	0.16	5091.36	188.64	1989.28	3290.72		
	3621	1.10	173.30	3620.91	-15.22	11.33	0.27	5095.22	184.78	1991.33	3288.67		
	3649	0.80	176.30	3648.90	-15.68	11.37	1.09	5095.68	184.32	1991.37	3288.63		
	3685	0.40	196.20	3684.90	-16.05	11.35	1.24	5096.05	183.95	1991.35	3288.65		
	3716	0.90	6.00	3715.90	-15.91	11.35	4.18	5095.91	184.09	1991.35	3288.65		
	3748	2.30	358.60	3747.89	-15.02	11.36	4.41	5095.02	184.98	1991.36	3288.64		
	3779	3.60	352.90	3778.85	-13.43	11.22	4.29	5093.43	186.57	1991.22	3288.78		
	3811	4.80	357.40	3810.76	-11.10	11.04	3.89	5091.10	188.90	1991.04	3288.96		
	3843	6.40	1.80	3842.61	-7.98	11.03	5.17	5087.98	192.02	1991.03	3288.97		
	3875	7.80	4.10	3874.36	-4.03	11.25	4.46	5084.03	195.97	1991.25	3288.75		
	3906	8.80	2.20	3905.03	0.44	11.49	3.34	5079.56	200.44	1991.49	3288.51		
	3938	10.10	1.20	3936.60	5.69	11.64	4.09	5074.31	205.69	1991.64	3288.36		
	3970	12.00	359.00	3968.01	11.82	11.64	6.08	5068.18	211.82	1991.64	3288.36		
	4001	13.70	357.00	3998.23	18.71	11.39	5.67	5061.29	218.71	1991.39	3288.61		
	4033	16.50	358.90	4029.12	27.04	11.11	8.88	5052.96	227.04	1991.11	3288.89		
	4065	19.20	359.70	4059.58	36.84	10.99	8.47	5043.16	236.84	1990.99	3289.01		
	4097	21.80	359.20	4089.55	48.05	10.88	8.14	5031.95	248.05	1990.88	3289.12		
	4128	24.20	359.20	4118.08	60.16	10.71	7.74	5019.84	260.16	1990.71	3289.29		

4160	26.00	359.50	4147.06	73.73	10.56	5.64	5006.27	273.73	1990.56	3289.44
4191	27.90	359.40	4174.69	87.78	10.42	6.13	4992.22	287.78	1990.42	3289.58
4223	30.20	359.70	4202.66	103.32	10.30	7.20	4976.68	303.32	1990.30	3289.70
4254	32.40	359.80	4229.15	119.42	10.23	7.10	4960.58	319.42	1990.23	3289.77
4286	34.10	359.70	4255.91	136.97	10.16	5.32	4943.03	336.97	1990.16	3289.84
4318	35.70	359.40	4282.15	155.27	10.01	5.03	4924.73	355.27	1990.01	3289.99
4349	38.30	359.60	4306.91	173.93	9.85	8.40	4906.07	373.93	1989.85	3290.15
4381	40.60	359.10	4331.62	194.26	9.62	7.26	4885.74	394.26	1989.62	3290.38
4413	43.40	359.50	4355.40	215.67	9.36	8.79	4864.33	415.67	1989.36	3290.64
4443	46.30	359.10	4376.66	236.82	9.10	9.71	4843.18	436.82	1989.10	3290.90
4475	48.50	358.40	4398.32	260.37	8.58	7.06	4819.63	460.37	1988.58	3291.42
4507	49.00	357.90	4419.42	284.41	7.80	1.95	4795.59	484.41	1987.80	3292.20
4538	50.40	357.60	4439.47	308.04	6.87	4.58	4771.96	508.04	1986.87	3293.13
4570	50.20	356.90	4459.91	332.63	5.69	1.80	4747.37	532.63	1985.69	3294.31
4602	49.60	356.40	4480.52	357.07	4.26	2.22	4722.93	557.07	1984.26	3295.74
4633	49.20	356.00	4500.70	380.55	2.70	1.62	4699.45	580.55	1982.70	3297.30
4665	48.70	355.80	4521.71	404.62	0.98	1.63	4675.38	604.62	1980.98	3299.02
4697	48.60	356.00	4542.85	428.58	-0.74	0.56	4651.42	628.58	1979.26	3300.74
4729	50.40	356.70	4563.63	452.86	-2.29	5.87	4627.14	652.86	1977.71	3302.29
4760	52.10	357.10	4583.04	477.00	-3.59	5.58	4603.00	677.00	1976.41	3303.59
4792	54.30	358.40	4602.21	502.61	-4.59	7.61	4577.39	702.61	1975.41	3304.59
4823	57.20	358.90	4619.65	528.22	-5.20	9.45	4551.78	728.22	1974.80	3305.20
4855	60.20	359.80	4636.27	555.56	-5.50	9.68	4524.44	755.56	1974.50	3305.50
4887	65.50	359.90	4650.87	584.02	-5.58	16.56	4495.98	784.02	1974.42	3305.58
4919	70.30	0.10	4662.91	613.66	-5.58	15.01	4466.34	813.66	1974.42	3305.58
4950	73.80	359.70	4672.46	643.15	-5.63	11.36	4436.85	843.15	1974.37	3305.63
4982	77.30	359.10	4680.44	674.13	-5.95	11.09	4405.87	874.13	1974.05	3305.95
5014	80.10	358.80	4686.71	705.50	-6.53	8.80	4374.50	905.50	1973.47	3306.53
5045	83.10	358.90	4691.24	736.16	-7.14	9.68	4343.84	936.16	1972.86	3307.14
5125	88.80	359.10	4696.89	815.91	-8.54	7.13	4264.09	1015.91	1971.46	3308.54
5157	89.60	358.90	4697.33	847.91	-9.09	2.58	4232.09	1047.91	1970.91	3309.09
5188	90.10	359.50	4697.42	878.90	-9.53	2.52	4201.10	1078.90	1970.47	3309.53
5252	91.60	359.90	4696.47	942.89	-9.86	2.43	4137.11	1142.89	1970.14	3309.86
5283	92.00	359.30	4695.49	973.88	-10.08	2.33	4106.12	1173.88	1969.92	3310.08
5313	91.60	359.90	4694.55	1003.86	-10.29	2.40	4076.14	1203.86	1969.71	3310.29
5347	91.20	359.60	4693.72	1037.85	-10.44	1.47	4042.15	1237.85	1969.56	3310.44
5442	91.90	359.60	4691.15	1132.81	-11.10	0.74	3947.19	1332.81	1968.90	3311.10
5537	90.90	359.10	4688.83	1227.78	-12.18	1.18	3852.22	1427.78	1967.82	3312.18
5633	91.40	359.60	4686.90	1323.75	-13.27	0.74	3756.25	1523.75	1966.73	3313.27
5728	91.60	359.70	4684.42	1418.72	-13.85	0.24	3661.28	1618.72	1966.15	3313.85

5823	90.70	359.60	4682.51	1513.69	-14.43	0.95	3566.31	1713.69	1965.57	3314.43
5918	91.70	359.10	4680.52	1608.66	-15.50	1.18	3471.34	1808.66	1964.50	3315.50
6013	92.60	358.90	4676.96	1703.58	-17.16	0.97	3376.42	1903.58	1962.84	3317.16
6108	91.60	359.10	4673.47	1798.50	-18.82	1.07	3281.50	1998.50	1961.18	3318.82
6203	89.80	359.50	4672.31	1893.48	-19.98	1.94	3186.52	2093.48	1960.02	3319.98
6298	91.50	360.00	4671.24	1988.47	-20.39	1.87	3091.53	2188.47	1959.61	3320.39
6393	92.90	359.70	4667.59	2083.40	-20.64	1.51	2996.60	2283.40	1959.36	3320.64
6488	92.00	0.00	4663.53	2178.31	-20.89	1.00	2901.69	2378.31	1959.11	3320.89
6584	89.00	0.30	4662.69	2274.30	-20.64	3.14	2805.70	2474.30	1959.36	3320.64
6679	89.20	0.60	4664.18	2369.28	-19.89	0.38	2710.72	2569.28	1960.11	3319.89
6774	90.60	359.90	4664.35	2464.28	-19.48	1.65	2615.72	2664.28	1960.52	3319.48
6869	91.30	359.40	4662.77	2559.26	-20.06	0.91	2520.74	2759.26	1959.94	3320.06
6965	93.30	0.20	4658.92	2655.18	-20.39	2.24	2424.82	2855.18	1959.61	3320.39
7059	93.40	359.10	4653.43	2749.02	-20.96	1.17	2330.98	2949.02	1959.04	3320.96
7154	92.00	358.10	4648.95	2843.88	-23.28	1.81	2236.12	3043.88	1956.72	3323.28
7249	91.90	357.70	4645.72	2938.76	-26.76	0.43	2141.24	3138.76	1953.24	3326.76
7345	91.40	356.90	4642.96	3034.61	-31.28	0.98	2045.39	3234.61	1948.72	3331.28
7440	91.90	357.80	4640.22	3129.47	-35.67	1.08	1950.53	3329.47	1944.33	3335.67
7535	90.20	357.80	4638.48	3224.38	-39.32	1.79	1855.62	3424.38	1940.68	3339.32
7630	89.60	358.00	4638.65	3319.32	-42.80	0.67	1760.68	3519.32	1937.20	3342.80
7725	89.00	357.60	4639.81	3414.24	-46.45	0.76	1665.76	3614.24	1933.55	3346.45
7820	89.40	358.20	4641.13	3509.16	-49.93	0.76	1570.84	3709.16	1930.07	3349.93
7915	90.00	357.30	4641.63	3604.09	-53.66	1.14	1475.91	3804.09	1926.34	3353.66
8010	89.50	357.80	4642.04	3699.00	-57.72	0.74	1381.00	3899.00	1922.28	3357.72
8105	90.60	358.40	4641.96	3793.95	-60.87	1.32	1286.05	3993.95	1919.13	3360.87
8200	90.70	358.20	4640.88	3888.90	-63.69	0.24	1191.10	4088.90	1916.31	3363.69
8295	90.60	359.60	4639.81	3983.87	-65.51	1.48	1096.13	4183.87	1914.49	3365.51
8389	90.00	359.80	4639.31	4077.87	-66.00	0.67	1002.13	4277.87	1914.00	3366.00
8485	92.10	359.80	4637.56	4173.85	-66.34	2.19	906.15	4373.85	1913.66	3366.34
8580	91.20	359.40	4634.82	4268.80	-67.00	1.04	811.20	4468.80	1913.00	3367.00
8770	88.50	359.40	4635.32	4458.78	-68.99	1.42	621.22	4658.78	1911.01	3368.99
8866	92.40	359.50	4634.56	4554.75	-69.91	4.06	525.25	4754.75	1910.09	3369.91
8961	92.00	359.10	4630.92	4649.67	-71.07	0.60	430.33	4849.67	1908.93	3371.07
8995	91.70	359.80	4629.82	4683.65	-71.40	2.24	396.35	4883.65	1908.60	3371.40
9041	91.70	359.80	4628.45	4729.63	-71.56	0.00	350.37	4929.63	1908.44	3371.56

American Measurement Services

A Limited Liability Company
Ames, Oklahoma

Station Number: KS03R0010
Producer: SANDRIDGE ENERGY
Lease: LAKE 1-21H
Sample Pressure: 57.08
Sample Temperature: 57.00
Cylinder Number: 1092
Analysis By: AMS
Date Sampled: 11/30/2011
Analysis Run Date: 11/30/2011

Gas Components	Mole Percent	GPM
Methane	51.803	
Ethane	7.866	2.0910
Propane	5.064	1.3866
IButane	0.737	0.2399
NButane	2.026	0.6353
IPentan	0.470	0.1711
NPentan	0.621	0.2238
C6 +	0.765	0.3317
Nitrogen	29.640	
CO2	1.008	
	100.00%	5.0794

BTU @ 14.65 @ 60 F - Real

Dry 962.5
Wet 945.7

Gasoline Content

Propane And Heavier 2.9884
Butane And Heavier 1.6018
Pentane And Heavier 0.7266

Specific Gravity - Real 0.8571
Z = 0.9972

H2S Field Test: PPM

Field Remarks:

Analysis Based Upon GPA 2145, 2172, And 2261

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2883392	Quote #:	Sales Order #: 8533870
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Harvey, Marc	
Well Name: Lake	Well #: 1-21H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 21 Township 34S Range 6W			
Contractor: KEEN		Rig/Platform Name/Num: 18	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: FUNK, JESSE	MBU ID Emp #: 412967

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DAVIS, TROY Robert	9	498798	FUNK, JESSE L	9	412967	STANGL, TIMOTHY David Loui	9	333480
TOWNSEND, JOE D	9	493000						

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
10-18-11	9	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
Form Type	700. ft	BHST	On Location			
Job depth MD		Job Depth TVD	Job Started			
Water Depth		Wk Ht Above Floor	Job Completed			
Perforation Depth (MD) From		To	Departed Loc			

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				80.	700.		
Preset Conductor	Unknown		20.	19.124	94.			.	80.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	700.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container		1	
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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		

HALLIBURTON

Cementing Job Summary

1	Halliburton Light Standard	EXTENDACEM (TM) SYSTEM (452981)	250	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	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	53	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	53	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	40 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 #: 2883392	Quote #:	Sales Order #: 9006642
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Harvey, Marc	
Well Name: Lake	Well #: 1-21H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 21 Township 34S Range 6W			
Contractor: Keen		Rig/Platform Name/Num: 17	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: LEACH, CLIFFORD	MBU ID Emp #: 475738

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LEACH, CLIFFORD Alfred	12.75	475738	TAVAI, MASON T	12.75	423521			

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
10-25-11	12.75							

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	25 - Oct - 2011	04:00	CST
Form Type	BHST		Job Started	25 - Oct - 2011	12:48	CST
Job depth MD	5108. ft	Job Depth TVD	Job Completed	25 - Oct - 2011	13:33	CST
Water Depth		Wk Ht Above Floor	Departed Loc	25 - Oct - 2011	14:45	CST
Perforation Depth (MD)	From	To				

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
Intermediate Open Hole				8.75				700.	5108.	700.	4681.
Intermediate Casing 1	Unknown		7.	6.184	29.	8 RD	P-110	.	3791.	.	3791.
Intermediate Casing 2	Unknown		7.	6.184	29.	LTC	N-80	3791.	5108.	3791.	4681.
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	700.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container		1	
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	Water Spacer		10	bbl	8.33	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	245	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							
Calculated Values		Pressures			Volumes				
Displacement	186	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	186	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	88.77 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 #: 2883392	Quote #:	Sales Order #: 9032039
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Harvey, Marc	
Well Name: Lake	Well #: 1-21H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 21 Township 34S Range 6W			
Contractor: Keen		Rig/Platform Name/Num: 18	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: CRAWFORD, ROBERT		Srcv Supervisor: UNDERWOOD, BILLY MBU ID Emp #: 159068	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GUYTON, JAMES Patrick	10	454880	KIRKLAND, LARRY Don	10	286162	TRAVIS, TONY Craig	12	367758
UNDERWOOD, BILLY Dale	12	159068						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10724645	60 mile	10784068	60 mile	10825967	60 mile	11133701	60 mile
11288856	60 mile	11715801	60 mile	11748311	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11-2-11	12	1.5						

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
Form Type			BHST	On Location	02 - Nov - 2011	01:00	CST
Job depth MD	9022. ft		Job Depth TVD	Job Started	02 - Nov - 2011	10:20	CST
Water Depth			Wk Ht Above Floor	Job Completed	02 - Nov - 2011	11:50	CST
Perforation Depth (MD)	From		To	Departed Loc	02 - Nov - 2011	13:00	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
Production Liner Open Hole				6.125				5108.	9022.	4681.	4660.
Intermediate Casing 1	Unknown		7.	6.184	29.	8 RD	P-110		3791.		3791.
Intermediate Casing 2	Unknown		7.	6.184	29.	LTC	N-80	3791.	5108.	3791.	4681.
Production Liner	Unknown		4.5	4.	11.6		N-80	4705.	9022.	4630.	4660.
Drill Pipe	Unknown		4.	3.34	14.	XT-39			4705.		

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	%

Cementing Job Summary

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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water		10	bbl	8.33	.0	.0	.0		
2	Rig Caustic Water Spacer		10	bbl	8.5	.0	.0	.0		
3	Fresh Water		10	bbl	8.33	.0	.0	.0		
4	50/50 POZ STANDARD (w/ 2% extra gel)	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								
Calculated Values		Pressures			Volumes					
Displacement	99	Shut In: Instant		Lost Returns	Cement Slurry		123	Pad		
Top Of Cement		5 Min		Cement Returns	Actual Displacement		95	Treatment		
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	248	
Rates										
Circulating	3.5	Mixing	4	Displacement	3.5	Avg. Job	3.5			
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 <i>Benjamin A. ...</i>						

002 system invoices

Logo

Back to Well Completion

Lake 1-21H (1069704)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Wellbore Diagram OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
Gas Analysis OPERATOR	View PDF Delete
Cementing Records OPERATOR	View PDF Delete

Add Attachment

Remarks

Remarks to KCC

Add Remark

Remarks

Tiffany Goley
01/23/012 09:49 am
Drilling Fluid Mgmt: 3320bbbls hauled to soil farm- no lease name or number; Triple C Soil Farming is using a leased pasture. 1280 bbbls hauled to disposal by Dunn's tank service. Operator: Richard Gray Mud Disposal, License # 323004 Order# 355765 Leagals Sec 15, 24S, 7W Garfield County, OK

Section 17
34S 6W

Section 16
34S 6W

Section 15
34S 6W

350' FNL

BHL: 9041'

-97.976449, 37.07937

1908' FWL

Bottom Perf: 8940'
-97.976303, 37.067906

Section 20
34S 6W

Section 21
34S 6W

Section 22
34S 6W

Top Perf: 4855'
-97.976449, 37.079093

LAKE 1-21H

Section 29
34S 6W

Section 28
34S 6W

Section 27
34S 6W



Actual Bottom-Hole Location of Lake 1-21H
Harper County, Kansas

T&R: 34S 6W

Section: 21, 350' FNL & 1908' FWL

Long: -97.976449, Lat: 37.07937

1 in = 744 ft



Draftsman:

Matt White

Draft Date: 1/26/2012

Drawing Name/Number:

Addendum_Lake_1-21H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

● Actual BH Location

* SandRidge Wells

----- Perf

▭ Sections

