



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1216893
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: _____

1216893

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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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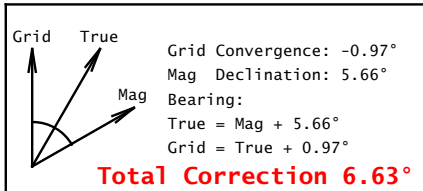
Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Krug 1725 2-34H
Doc ID	1216893

Casing

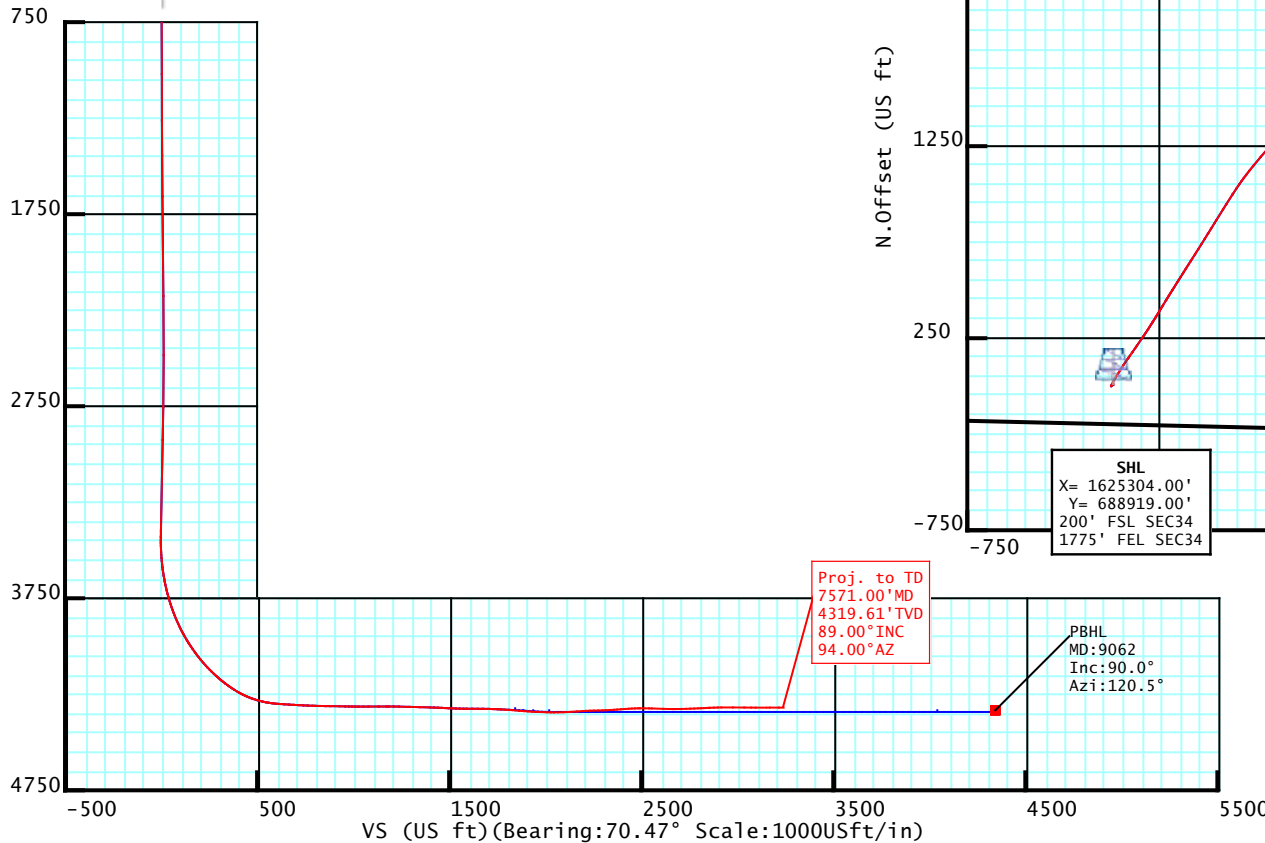
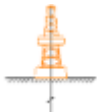
Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	90	Grout	10	see report
Surface	12.25	9.625	36	1469	Class A POZ blend	670	see report
Intermediate	8.75	7	26	5010	Class A 50	340	see report
Liner	6.125	4.5	11.6	7571	50/50 Premium POZ	320	see report



Krug 1725 2-34H
 Nomac 52
 Ness County, KS
 X= 1550515.38'
 Y= 679785.37'
 Plan 6 vs Actual



KB: 2389'
 GL: 2370'



Plan Data for Krug 1725 2-34H

Plan Point Information:
 DogLeg Severity Unit: °/100.00ft Position offsets from Site centre

MD (USft)	Inc (°)	Az (°)	TVD (USft)	+N/-S (USft)	+E/-W (USft)	VSec (USft)	DLS (DLSU)	ToolFace (°)
6001.00	88.46	56.54	4326.35	1626.66	1237.20	1709.81	3.70	127.1
6062.00	87.28	59.02	4328.62	1659.15	1288.77	1769.28	4.50	115.5
6138.06	86.99	60.65	4332.42	1697.33	1354.45	1843.94	2.17	100.1
6182.63	86.00	62.65	4335.14	1718.45	1393.59	1887.89	5.00	116.4
6238.68	86.00	62.65	4339.05	1744.14	1443.25	1943.28	0.00	0.0
6323.11	90.00	64.00	4342.00	1782.01	1518.63	2026.98	5.00	18.7
8584.93	90.00	120.55	4342.00	1695.91	3688.06	4042.82	2.50	90.0
9061.64	90.00	120.55	4342.00	1453.63	4098.62	4348.76	0.00	0.0

Target Set Information:
 Name: Krug 1725 2-34H T4

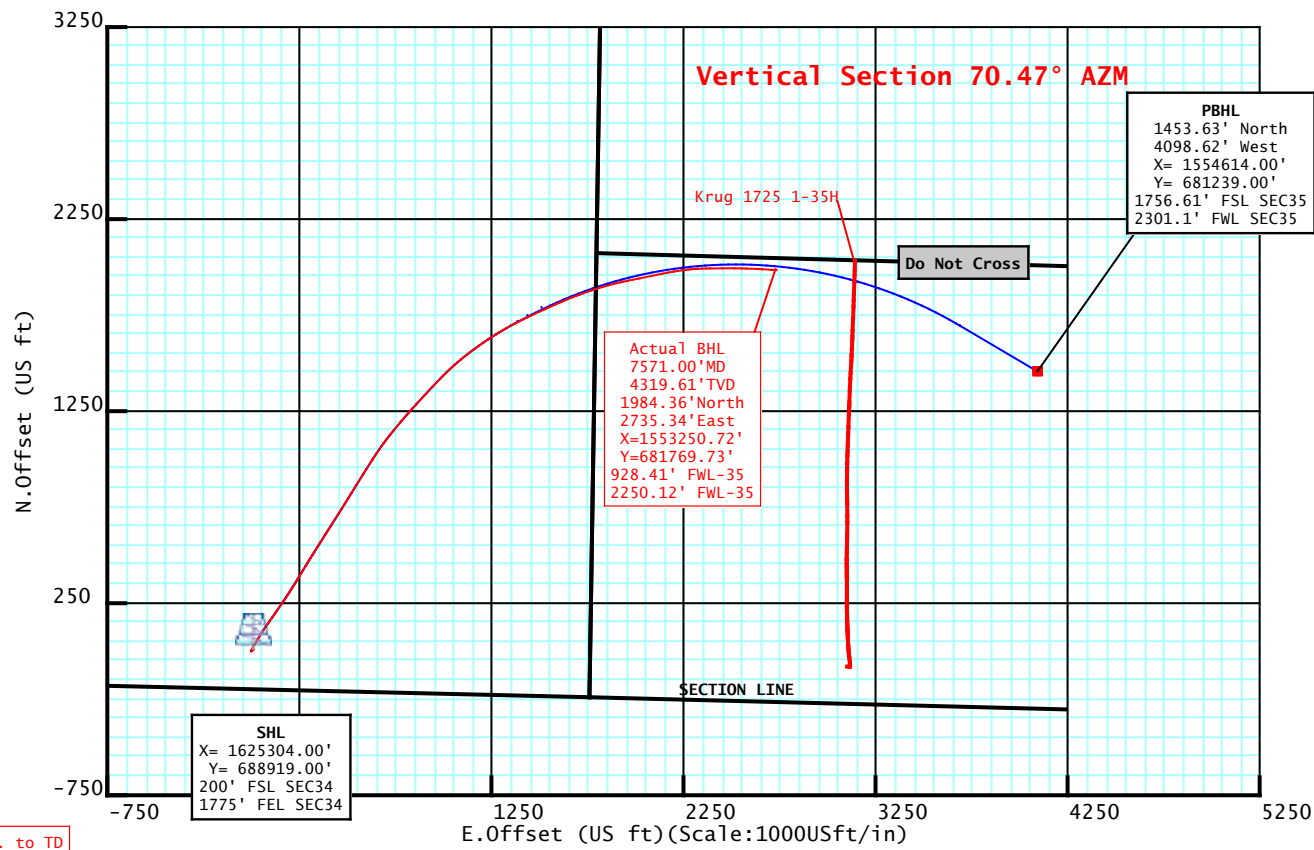
Name	TVD (USft)	Northing (USft)	Easting (USft)	Lat (°/'/'")	Long (°/'/'")
PBHL	4342.00	681239.00	1554614.00	38°31'38.4"	-100°3'24.7"

Plan Data for Krug 1725 2-34H

Field: SandRidge Energy - Ness County, KA S NAD 27 US FT
 Map Unit: USFT Vertical Reference Datum (VRD): Mean Sea Level
 Projected Coordinate System: NAD27 / Kansas South

Well: Krug 1725 2-34H
 Type: Main-Well
 File Number:
 Plan Folder: P6 Plan: P6:V1
 Vertical Section: Position offset of origin from Site centre:
 +N/-S: 0.00USft Azimuth: 70.47°
 +E/-W: 0.00USft
 Magnetic Parameters:
 Model: Field Strength: Declination: Dip: Date:
 IGRF 52302(nT) 5.66° 66.11° 2014-04-04

- Krug 1725 2-34H ———
- Krug 1725 1-35H ———
- Krug 1725 2-34H - Actual ———



Updated By: Lando Hiler Date: 04/24/2014

Weatherford Drilling Services
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5D Survey Report**SandRidge Energy**

Field Name: *SandRidge Energy - Ness County, KA S NAD 27 US FT*
Site Name: *Krug 1725 2-34H*
Well Name: *Krug 1725 2-34H*
Survey: *Definitive Survey*

01 May 2014



Krug 1725 2-34H

Field Name SandRidge Energy - Ness County, KA S NAD 27 US FT	Map Units : US ft		Company Name : SandRidge Energy		
	Vertical Reference Datum (VRD) : Mean Sea Level				
	Projected Coordinate System : NAD27 / Kansas South				
Comment :					
Site Name Krug 1725 2-34H	Units : US ft	North Reference : Grid	Convergence Angle : -0.97		
	Position	Northing : 679785.37 US ft	Latitude : 38° 31' 23.38"		
		Easting : 1550515.38 US ft	Longitude : -100° 4' 15.95"		
	Site TVD Reference : Ground Level				
	Elevation above Mean Sea Level: 2370.00 US ft				
Comment :					
Slot Name Krug 1725 2-34H	Position (Offsets relative to Site Centre)				
	+N / -S : 0.00 US ft	Northing : 679785.37 US ft	Latitude : 38°31'23.38"		
	+E / -W : 0.00 US ft	Easting : 1550515.38 US ft	Longitude : -100°4'15.95"		
	Slot TVD Reference : Ground Elevation				
	Elevation above Mean Sea Level : 2370.00 US ft				
Comment :					
Well Name Krug 1725 2-34H	Type : Main well	UWI :			
	Rig Height Drill Floor : 19.00 US ft	Comment :			
	Relative to Mean Sea Level: 2389.00 US ft	Closure Azimuth : 54.0409°			
	Closure Distance : 3379.32 US ft	Az : 70.47°			
	Vertical Section (Position of Origin Relative to Site)				
	+N / -S : 0.00 US ft	+E / -W : 0.00 US ft			

5D Survey Report

Target Set**Name :** Krug 1725 2-34H T4**Number of Targets :** 1**Comment :**

TargetName:	Position (Relative to Site centre)		
PBHL	+N / -S : 1453.63US ft	Northing : 681239.00 US ft	Latitude : 38°31'38.43"
Shape:	+E / -W : 4098.62 US ft	Easting : 1554614.00US ft	Longitude : -100°3'24.69"
Cuboid	TVD (Drill Floor) : 4342.00 US ft		
	SS : -1953.00 US ft		
Orientation	Azimuth : 0.00°	Inclination : 0.00°	
Dimensions	Length : 20.00 US ft	Breadth : 20.00 US ft	Height : 20.00 US ft

Survey Name :Definitive Survey**Date :** 04/Apr/2014**Survey Tool :****Comment :****Company :****Magnetic Model****Model Name:** IGRF**Date:** 04/Apr/2014**Field Strength:** 52302.9 nT**Declination:** 5.66°**Dip:** 66.11°**Survey Tool Ranges**

Name	Start MD (US ft)	End MD (US ft)	Source Survey
Inc Only 3deg_WFTR	0.00	1445.00	SR Rig Svy
MWD	1445.00	7571.00	WFT MWD Surveys

Well path created using minimum curvature

Survey Points (Relative to Site centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	
260.00	0.30	73.54	260.00	0.19	0.65	0.68	0.12	First Rig Survey	
500.00	0.20	73.54	500.00	0.49	1.66	1.73	0.04		
746.00	0.40	73.54	745.99	0.85	2.89	3.01	0.08		
1020.00	0.10	73.54	1019.99	1.19	4.04	4.21	0.11		
1260.00	0.10	73.54	1259.99	1.31	4.44	4.62	0.00		
1445.00	0.50	73.54	1444.99	1.59	5.37	5.59	0.22	Last Rig Survey	
1658.00	0.31	73.54	1657.98	2.01	6.81	7.09	0.09	First WFT Svy	
2176.00	1.09	24.83	2175.94	6.88	10.23	11.94	0.18		
2484.00	0.56	327.25	2483.91	10.81	10.64	13.64	0.30		
2926.00	1.38	221.47	2925.87	8.63	5.95	8.49	0.37		
3377.00	1.16	221.85	3376.76	1.16	-0.69	-0.26	0.05		

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Drill Floor)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment
3399.00	1.15	216.89	3398.75	0.82	-0.97	-0.64	0.46	
3431.00	0.80	218.25	3430.75	0.39	-1.31	-1.10	1.10	
3463.00	1.01	18.29	3462.75	0.48	-1.36	-1.12	5.57	
3494.00	3.18	25.02	3493.72	1.52	-0.91	-0.35	7.03	
3526.00	5.49	25.01	3525.63	3.71	0.12	1.35	7.22	
3557.00	7.54	25.82	3556.43	6.89	1.63	3.84	6.62	
3589.00	9.53	26.19	3588.07	11.16	3.71	7.23	6.22	
3620.00	11.70	26.80	3618.54	16.26	6.26	11.34	7.01	
3652.00	13.99	27.32	3649.74	22.60	9.50	16.51	7.17	
3684.00	16.11	28.57	3680.64	29.93	13.40	22.64	6.70	
3715.00	18.01	29.65	3710.27	37.88	17.83	29.47	6.21	
3747.00	19.70	31.25	3740.55	46.79	23.07	37.39	5.52	
3778.00	21.77	32.31	3769.55	56.11	28.86	45.96	6.79	
3810.00	23.93	32.13	3799.03	66.63	35.48	55.72	6.75	
3841.00	25.99	31.81	3827.14	77.72	42.41	65.95	6.66	
3873.00	27.99	32.17	3855.65	90.04	50.10	77.32	6.27	
3904.00	30.07	32.65	3882.75	102.74	58.17	89.17	6.75	
3936.00	31.93	33.63	3910.18	116.54	67.18	102.27	6.02	
3967.00	34.04	34.90	3936.18	130.48	76.68	115.89	7.16	
3999.00	35.99	35.12	3962.39	145.52	87.22	130.85	6.11	
4031.00	38.47	35.29	3987.87	161.33	98.38	146.65	7.76	
4062.00	40.34	35.11	4011.82	177.41	109.72	162.72	6.04	
4093.00	41.94	34.77	4035.16	194.13	121.40	179.32	5.21	
4125.00	44.05	34.56	4058.57	212.08	133.81	197.01	6.61	
4156.00	46.33	34.57	4080.41	230.19	146.29	214.83	7.35	
4188.00	48.78	34.31	4102.01	249.66	159.64	233.92	7.68	
4219.00	50.97	34.08	4121.99	269.27	172.96	253.03	7.09	
4251.00	52.93	33.44	4141.71	290.22	186.96	273.23	6.32	
4282.00	54.99	32.51	4159.95	311.25	200.60	293.11	7.07	
4314.00	57.36	32.23	4177.76	333.70	214.83	314.03	7.44	
4346.00	59.57	31.71	4194.49	356.84	229.27	335.37	7.04	
4378.00	61.35	31.46	4210.27	380.55	243.85	357.04	5.60	
4409.00	63.39	31.27	4224.65	404.00	258.15	378.35	6.60	
4440.00	65.96	31.38	4237.90	427.94	272.71	400.08	8.30	
4472.00	68.59	31.70	4250.27	453.09	288.15	423.04	8.27	
4504.00	71.42	31.75	4261.21	478.66	303.96	446.49	8.84	
4536.00	73.84	32.20	4270.76	504.57	320.14	470.40	7.68	
4568.00	76.31	32.45	4279.00	530.70	336.67	494.71	7.76	
4599.00	79.17	32.02	4285.58	556.32	352.83	518.50	9.32	
4631.00	81.37	32.25	4290.99	583.02	369.60	543.24	6.91	
4644.00	82.15	32.26	4292.85	593.90	376.47	553.35	6.00	

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment	
4693.00	85.24	32.46	4298.23	635.04	402.53	591.67	6.32		
4725.00	86.85	32.62	4300.44	661.95	419.70	616.85	5.06		
4756.00	87.20	32.55	4302.05	688.03	436.38	641.28	1.15		
4788.00	87.27	32.19	4303.59	715.03	453.49	666.43	1.14		
4819.00	87.41	32.18	4305.03	741.24	469.98	690.74	0.45		
4851.00	87.55	31.86	4306.44	768.34	486.93	715.78	1.09		
4882.00	87.90	31.86	4307.67	794.65	503.28	739.98	1.13		
4912.00	88.11	31.93	4308.71	820.11	519.12	763.42	0.74		
4945.00	88.39	31.65	4309.72	848.14	536.50	789.17	1.20		
4962.00	88.53	31.59	4310.18	862.62	545.41	802.40	0.90		
5061.00	89.75	32.31	4311.66	946.61	597.79	879.85	1.43		
5125.00	88.83	32.83	4312.46	1000.54	632.24	930.35	1.65		
5185.00	89.20	34.50	4313.49	1050.46	665.50	978.38	2.85		
5246.00	89.74	37.48	4314.05	1099.81	701.34	1028.65	4.96		
5307.00	90.56	39.35	4313.89	1147.61	739.24	1080.35	3.35		
5369.00	89.91	40.13	4313.64	1195.28	778.87	1133.64	1.64		
5428.00	90.31	41.39	4313.53	1239.97	817.39	1184.89	2.24		
5490.00	88.46	42.25	4314.19	1286.17	858.73	1239.29	3.29		
5551.00	88.89	43.09	4315.60	1331.01	900.06	1293.23	1.55		
5612.00	88.70	43.14	4316.89	1375.53	941.74	1347.40	0.32		
5673.00	88.28	44.11	4318.49	1419.67	983.81	1401.81	1.73		
5696.00	88.27	44.94	4319.19	1436.06	999.94	1422.48	3.61		
5757.00	87.22	47.55	4321.59	1478.21	1043.96	1478.06	4.61		
5818.00	88.03	50.42	4324.11	1518.20	1089.94	1534.77	4.88		
5878.00	89.82	52.63	4325.24	1555.52	1136.90	1591.50	4.74		
5940.00	89.82	54.74	4325.43	1592.23	1186.85	1650.86	3.40		
6001.00	88.46	56.54	4326.35	1626.66	1237.20	1709.81	3.70		
6062.00	87.28	59.02	4328.62	1659.15	1288.77	1769.28	4.50		
6124.00	85.06	61.28	4332.76	1689.94	1342.41	1830.13	5.10		
6184.00	85.50	62.98	4337.70	1717.89	1395.27	1889.29	2.92		
6245.00	87.59	64.96	4341.37	1744.61	1449.98	1949.78	4.72		
6306.00	87.91	65.45	4343.77	1770.17	1505.31	2010.48	0.96		
6367.00	91.29	65.76	4344.19	1795.36	1560.86	2071.25	5.56		
6428.00	93.70	66.75	4341.54	1819.90	1616.64	2132.02	4.27		
6489.00	93.77	68.58	4337.56	1843.03	1672.94	2192.81	3.00		
6549.00	91.17	70.01	4334.98	1864.22	1729.00	2252.74	4.94		
6611.00	92.22	72.51	4333.14	1884.13	1787.69	2314.70	4.37		
6671.00	94.57	73.86	4329.59	1901.46	1845.01	2374.52	4.51		
6731.00	93.70	76.74	4325.26	1916.64	1902.89	2434.15	5.00		
6791.00	90.62	78.57	4323.00	1929.46	1961.45	2493.62	5.97		
6853.00	88.03	78.51	4323.73	1941.77	2022.21	2555.00	4.18		

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Drill Floor)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment
6914.00	87.96	78.23	4325.87	1954.06	2081.92	2615.38	0.47	
6975.00	90.25	78.87	4326.82	1966.17	2141.69	2675.77	3.90	
7035.00	91.91	80.17	4325.69	1977.08	2200.68	2735.01	3.51	
7098.00	92.47	83.12	4323.28	1986.23	2262.96	2796.76	4.76	
7161.00	92.78	87.45	4320.39	1991.40	2325.66	2857.59	6.88	
7224.00	90.49	89.26	4318.60	1993.21	2388.61	2917.51	4.63	
7287.00	89.63	89.52	4318.53	1993.88	2451.60	2977.11	1.43	
7350.00	89.57	90.33	4318.97	1993.96	2514.60	3036.51	1.29	
7413.00	89.51	91.95	4319.48	1992.71	2577.58	3095.45	2.57	
7477.00	90.56	92.35	4319.44	1990.30	2641.54	3154.92	1.76	
7495.00	90.49	93.57	4319.27	1989.37	2659.51	3171.55	6.79	Last WFT Svy
7571.00	89.00	94.00	4319.61	1984.36	2735.34	3241.34	2.04	Proj. to TD



SandRidge Energy
Krug #1725 2-34
Ness County, KS.

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Krug #1725 2-34 Surface Casing.

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

Allied started the job testing lines to 2600 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

173 Bbls (520 sacks) of 12.7 ppg Lead slurry:
65:35 Class A:Poz Blend - 1.87 Yield
6.0% Gel
2%cc
¼# Floseal

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

The top plug was then released and displaced with 111 of fresh water. The plug bumped and pressured up to 1500 psi. Pressure was released and floats held.

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

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

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



BASIN SERVICES, LLC
 P O BOX 4268
 ABILENE, TX 79608-4268
 Phone # (325)690-0053
 Fax # (325)698-0055

TICKET

TICKET NUMBER: WY-261-1
 TICKET DATE: 04/03/2014

ELECTRONIC

SANDRIDGE ENERGY
 ***** BILL IN ADP!! *****
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: Krug 1725
 WELL#: 2-34H
 RIG #: Nomac 52
 Co/St: NESS, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
4/3/2014 DRILLED 30" CONDUCTOR HOLE			
4/3/2014 20" CONDUCTOR PIPE (.250 WALL)			
4/3/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
4/3/2014 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
4/3/2014 DRILLED 20" MOUSE HOLE (PER FOOT)			
4/3/2014 16" CONDUCTOR PIPE (.250 WALL)			
4/3/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
4/3/2014 WELDING SERVICES FOR PIPE & LIDS			
4/3/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
4/3/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
4/3/2014 10 YDS OF 10 SACK GROUT			
4/3/2014 TAXABLE ITEMS			4,500.00
4/3/2014 BID - TAXABLE ITEMS			12,750.00
			Sub Total:
			Tax NESS COUNTY (6.15 %):
			TICKET TOTAL:
			<u>17,250.00</u>
			<u>276.75</u>
			<u>\$ 17,526.75</u>

I, the undersigned, acknowledge the acceptance of the above listed goods and/or services.

Approved Signature _____

JOB SUMMARY			PROJECT NUMBER SOK 3685	TICKET DATE 05/02/14
COUNTY Ness	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Jaime Prieto	
LEASE NAME Krug 1725	Well No. 2-34H	JOB TYPE Liner	EMPLOYEE NAME ROBERT BURRIS	

EMP NAME	Robert Burris	0.00					
	Mike Hall						
	Cheryl Newton						
	Danny Tewell						

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **7571**

Date	Called Out 5/2/2014	On Location 5/2/2014	Job Started 5/2/2014	Job Completed 5/2/2014
Time	09:30	15:45	19:24	22:35

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Va	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		11.6	4 1/2"		4865	7,571	
Liner Tool							
HWDP							
Drill Pipe			4"		SURFACE	4,865	
Drill Collars							
Open Hole			6 1/8"		Surface	7,571	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	GEL BBL.	30	8.60
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/2	7.0	5/2	2.5	Liner
Total	7.0	Total	2.5	

Pressures			
MAX	5000 PSI	AVG.	875 PSI
Average Rates in BPM			
MAX	6 BPM	AVG	4 BPM
Cement Left in Pipe			
Feet	90 FT	Reason	SHOE JOINT

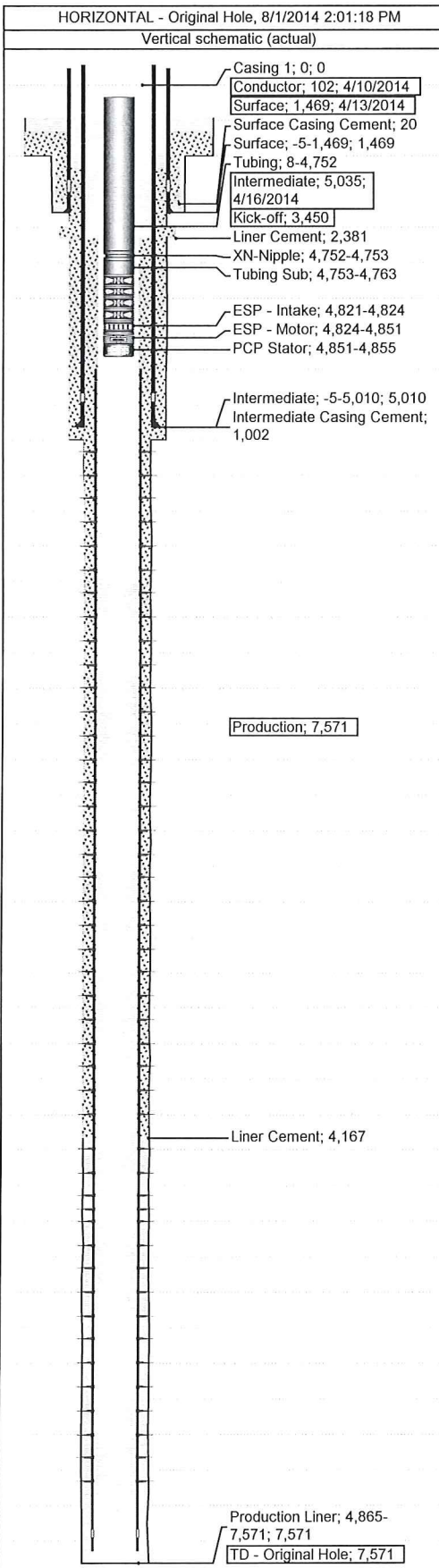
Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
1	320	50/50 Premium Poz	4% Gel - 0.4% FL-17 - 0.2% C-51 - 0.1% C-20 - 0.1% C-37 - 0.5% C-41P	6.77	1.44	13.60	
2	0	0		0	0.00	0.00	
3	0	0		0	0.00	0.00	

Summary							
Preflush Breakdown	30.00	Type: Gel Spacer	Preflush: BBI	30.00	Type: Gel Spacer		
	N/A	MAXIMUM 5000 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A	
	15	Lost Returns: NO/FULL	Excess /Return BBI	15	Calc. Disp Bbl	85	
	4,167	Actual TOC	Calc. TOC:	4,167	Actual Disp.	85.00	
Average	1,500	Bump Plug PSI:	Final Circ. PSI:	475	Disp:Bbl		
ISIP 5 Min.	10 Min	15 Min	Cement Slurry BBI	82.0			
			Total Volume BBI	197.00			

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Wellbore Schematic

KRUG 1725 2-34H

HORIZONTAL - Original Hole, 8/1/2014 2:01:18 PM		Wellbore Sections										
Vertical schematic (actual)		Section Des		Size (in)		Act Top (ftKB)		Act Btm (ftKB)				
 <p>Casing 1; 0; 0 Conductor; 102; 4/10/2014 Surface; 1,469; 4/13/2014 Surface Casing Cement; 20 Surface; -5-1,469; 1,469 Tubing; 8-4,752 Intermediate; 5,035; 4/16/2014 Kick-off; 3,450 Liner Cement; 2,381 XN-Nipple; 4,752-4,753 Tubing Sub; 4,753-4,763 ESP - Intake; 4,821-4,824 ESP - Motor; 4,824-4,851 PCP Stator; 4,851-4,855 Intermediate; -5-5,010; 5,010 Intermediate Casing Cement; 1,002</p>	Conductor		17 1/2		18.0		102.0		102.0			
	Surface		12 1/4		102.0		1,469.0		5,035.0			
	Intermediate		8 3/4		1,469.0		5,035.0		7,571.0			
	Production		6 1/8		5,035.0		7,571.0					
	Casing											
	Csg Desc	Jts	Item Des	OD (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)	Com	
	Surface	1	Casing-Joints	4 1/2	11.60	L-80		0.00	0.0	0.0		
	Surface	33	Casing-Joints	9 5/8	36.00	J-55		1,436.89	-5.1	1,431.8		
	Surface	1	Casing-Joints	9 5/8	36.00	J-55		35.17	1,432.8	1,468.0		
	Surface	1	Guide Shoe	9 5/8	36.00	J-55		1.00	1,468.0	1,469.0		
	Intermediate	115	Casing-Joints	7	26.00	P-110	LT&C	4,898.32	22.8	4,921.2		
	Intermediate	2	Casing-Joints	7	26.00	P-110	LT&C	86.09	4,922.4	5,008.5		
	Intermediate	1	Float Shoe	7	26.00	P-110	LT&C	1.50	5,008.5	5,010.0		
	Production Liner	59	Casing-Joints	4 1/2	11.60	N-80		2,586.93	4,892.9	7,479.8		
	Production Liner	1	Casing-Joints	4 1/2	11.60	N-80		43.86	7,481.4	7,525.2		
Production Liner	1	Casing-Joints	4 1/2	11.60	N-80		41.38	7,527.1	7,568.5			
Production Liner	1	Float Shoe					2.52	7,568.5	7,571.0			
Cement												
Des		Top (ftKB)		Btm (ftKB)		Com						
Surface Casing Cement		20.0		1,468.0								
Intermediate Casing Cement		1,002.0		5,010.0								
Liner Cement		2,381.0		4,167.0								
Liner Cement		4,167.0		7,151.0								
Tubing												
Des		Item Des	OD (in)	ID (in)	EUE Wt (lb/ft)	Grade	Jts	Top (ftKB)	Btm (ftKB)	Com		
Tubing - Production		Tubing	2 7/8	2.441	6.500	J-55	145	8.3	4,752.2			
Tubing - Production		XN-Nipple	2 7/8	2.313			1	4,752.2	4,753.2			
Tubing - Production		Tubing Sub	2 7/8			J-55	1	4,753.2	4,763.2			
Tubing - Production		ESP - Pump	2 7/8				1	4,763.2	4,779.2			
Tubing - Production		ESP - Pump	2 7/8				1	4,779.2	4,795.3			
Tubing - Production		ESP - Pump	2 7/8				1	4,795.3	4,812.8			
Tubing - Production		ESP - Pump	2 7/8				1	4,812.8	4,821.4			
Tubing - Production		ESP - Intake	2 7/8				1	4,821.4	4,824.0			
Tubing - Production		ESP - Motor	2 7/8				1	4,824.0	4,850.9			
Tubing - Production		PCP Stator	2 7/8				1	4,850.9	4,855.0			
Rod Components												
Jts	Item Description		OD (in)	Top Coupling	Grade	Guide Des	Len (ft)	Top (ftKB)	Btm (ftKB)	Comment		
Perforations												
Date	Top (ftKB)	Btm (ftKB)	Zone Name			Shot Dens (shots/ft)	Current Status		Com			
5/23/2014	7,333.0	7,335.0	Miss Lime			4.0	Active					
5/23/2014	7,338.0	7,340.0	Miss Lime			4.0	Active					
5/23/2014	7,347.0	7,349.0	Miss Lime			4.0	Active					
5/23/2014	7,370.0	7,374.0	Miss Lime			4.0						
5/23/2014	7,378.0	7,380.0	Miss Lime			4.0	Active					
5/25/2014	6,854.0	6,856.0	Miss Lime			4.0	Active					
5/25/2014	6,863.0	6,865.0	Miss Lime			4.0	Active					
5/25/2014	6,871.0	6,873.0	Miss Lime			4.0	Active					
5/25/2014	6,877.0	6,879.0	Miss Lime			4.0	Active					
5/25/2014	6,882.0	6,884.0	Miss Lime			4.0	Active					
5/25/2014	6,888.0	6,890.0	Miss Lime			4.0	Active					
5/25/2014	6,896.0	6,898.0	Miss Lime			4.0	Active					
5/25/2014	6,932.0	6,934.0	Miss Lime			4.0	Active					
Production Liner; 4,865-7,571; 7,571												
TD - Original Hole; 7,571												



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

Treatment Report

KRUG 1725 2-34H

Zone: Miss Lime, Formation:

API No 15135257550000	Field Name ALDRICH	Slate KS
--------------------------	-----------------------	-------------

Must Enter the Zone in Blue below. This Zone must equal the Zone for this report

Bottom Hole Temperature		
Wellbore	Depth (ftKB)	Temperature (°F)

Treatment							
Treatment # 1	Date 6/3/2014	Zone Miss Lime, Original Hole	Type Acid Frac	Stim/Treat Company Allied Oil & Gas Services LLC	Job Drilling - original, 4/6/2014 17:30	Casing/Tubing String Production Liner, 7.571ftKB	
Vol Slurry Tot (bbl)	Avg Treat Pressure (psi) 4,400.0	Max Treat Pressure (psi) 4,730.0	Avg Treat Rate (bbl/min) 4.70	Max Treat Rate (bbl/min) 4.70	Final ISIP (psi) 40.0	X-Link Breaker Time (min)	
Theoretical Flush (bbl) 52.000	Actual Flush (bbl) 55.00	Proppant Designed (lb)	Total Proppant Pumped (lb)	Gas Down Hole	Gas Cool Down		
ISIP (psi) 650.0	5-minute Leak Off Pressure (psi)	270.0	10-minute Leak Off Pressure (psi) 130.0	15-minute Leak Off Pressure (psi) 40.0			
Comment 4200 gals 15% NEFE HCL w/ adds				Technical Result	Results		

FET Analysis from <Min Top Depth?> to <Max Btm Depth?> for Zone: Miss Lime									
Frac Gradient (psi/ft)	FET ISIP (psi)	5-min LO Press. (psi)	10-min LO Press (psi)	15-min LO Press (psi)	Fluid Eff. (%)	Total Holes	Holes Open	FET Max Rate (b...)	FET Max Press (psi)

List of Fluids used on this Job		
Fluid	Fluid Name	Des

Stages									
Stg #	Stage Type	Vol Slurry (bbl)	Stim/Treat Fluid	Foam Quality (%)	Gas Type	P Cas End (psi)	Top Depth (ftKB)	Btm (ftKB)	Q-Wellhead (...)
Type	Mesh	Conc BH (lb/gal)		Amount					

Treatment							
Treatment # 2	Date 6/3/2014	Zone Miss Lime, Original Hole	Type Acid Frac	Stim/Treat Company Allied Oil & Gas Services LLC	Job Drilling - original, 4/6/2014 17:30	Casing/Tubing String Production Liner, 7.571ftKB	
Vol Slurry Tot (bbl)	Avg Treat Pressure (psi) 1,850.0	Max Treat Pressure (psi) 2,300.0	Avg Treat Rate (bbl/min) 8.00	Max Treat Rate (bbl/min) 8.00	Final ISIP (psi) 160.0	X-Link Breaker Time (min)	
Theoretical Flush (bbl) 120.000	Actual Flush (bbl) 125.00	Proppant Designed (lb)	Total Proppant Pumped (lb)	Gas Down Hole	Gas Cool Down		
ISIP (psi) 750.0	5-minute Leak Off Pressure (psi)	390.0	10-minute Leak Off Pressure (psi) 260.0	15-minute Leak Off Pressure (psi) 160.0			
Comment 5250 gals 15% NEFE HCL w/ adds				Technical Result	Results		

FET Analysis from <Min Top Depth?> to <Max Btm Depth?> for Zone: Miss Lime									
Frac Gradient (psi/ft)	FET ISIP (psi)	5-min LO Press. (psi)	10-min LO Press (psi)	15-min LO Press (psi)	Fluid Eff. (%)	Total Holes	Holes Open	FET Max Rate (b...)	FET Max Press (psi)

List of Fluids used on this Job		
Fluid	Fluid Name	Des

Stages									
Stg #	Stage Type	Vol Slurry (bbl)	Stim/Treat Fluid	Foam Quality (%)	Gas Type	P Cas End (psi)	Top Depth (ftKB)	Btm (ftKB)	Q-Wellhead (...)
Type	Mesh	Conc BH (lb/gal)		Amount					

Treatment							
Treatment # 3	Date 6/4/2014	Zone Miss Lime, Original Hole	Type Acid Frac	Stim/Treat Company Allied Oil & Gas Services LLC	Job Drilling - original, 4/6/2014 17:30	Casing/Tubing String Production Liner, 7.571ftKB	
Vol Slurry Tot (bbl)	Avg Treat Pressure (psi) 2,480.0	Max Treat Pressure (psi) 3,520.0	Avg Treat Rate (bbl/min) 8.00	Max Treat Rate (bbl/min) 8.00	Final ISIP (psi) 90.0	X-Link Breaker Time (min)	
Theoretical Flush (bbl) 75.000	Actual Flush (bbl) 75.00	Proppant Designed (lb)	Total Proppant Pumped (lb)	Gas Down Hole	Gas Cool Down		
ISIP (psi) 800.0	5-minute Leak Off Pressure (psi)	320.0	10-minute Leak Off Pressure (psi) 180.0	15-minute Leak Off Pressure (psi) 90.0			
Comment 3150 gals 15% NEFE HCL w/ adds				Technical Result	Results		

FET Analysis from <Min Top Depth?> to <Max Btm Depth?> for Zone: Miss Lime									
Frac Gradient (psi/ft)	FET ISIP (psi)	5-min LO Press. (psi)	10-min LO Press (psi)	15-min LO Press (psi)	Fluid Eff. (%)	Total Holes	Holes Open	FET Max Rate (b...)	FET Max Press (psi)

List of Fluids used on this Job		
Fluid	Fluid Name	Des

Stages									
Stg #	Stage Type	Vol Slurry (bbl)	Stim/Treat Fluid	Foam Quality (%)	Gas Type	P Cas End (psi)	Top Depth (ftKB)	Btm (ftKB)	Q-Wellhead (...)
Type	Mesh	Conc BH (lb/gal)		Amount					

Treatment							
Treatment # 4	Date 6/4/2014	Zone Miss Lime, Original Hole	Type Acid Frac	Stim/Treat Company Allied Oil & Gas Services LLC	Job Drilling - original, 4/6/2014 17:30	Casing/Tubing String Production Liner, 7.571ftKB	
Vol Slurry Tot (bbl)	Avg Treat Pressure (psi) 2,860.0	Max Treat Pressure (psi) 3,480.0	Avg Treat Rate (bbl/min) 8.00	Max Treat Rate (bbl/min) 8.00	Final ISIP (psi) 870.0	X-Link Breaker Time (min)	
Theoretical Flush (bbl) 70.000	Actual Flush (bbl) 70.00	Proppant Designed (lb)	Total Proppant Pumped (lb)	Gas Down Hole	Gas Cool Down		
ISIP (psi) 1,700.0	5-minute Leak Off Pressure (psi)	1,110.0	10-minute Leak Off Pressure (psi) 970.0	15-minute Leak Off Pressure (psi) 870.0			
Comment 4200 gals 15% NEFE HCL w/ adds				Technical Result	Results		

FET Analysis from <Min Top Depth?> to <Max Btm Depth?> for Zone: Miss Lime									
Frac Gradient (psi/ft)	FET ISIP (psi)	5-min LO Press. (psi)	10-min LO Press (psi)	15-min LO Press (psi)	Fluid Eff. (%)	Total Holes	Holes Open	FET Max Rate (b...)	FET Max Press (psi)



SandRidge Energy
Krug #1725 2-34 H
Harper County, KS.

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Krug #1725 2-34H Casing.

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

Allied started the job testing lines to 3000 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

60 Bbls (240 sacks) of 13.6 ppg Lead slurry:
50:50 Class A:Poz Blend - 1.4 Yield
2.0% Gel
0.4% FL-160
0.1% SA-51

21Bbls (100 sacks) of 15.6 ppg Tail slurry:
Class A - 1.18 Yield
0.8% FL-160
0.2% CD-31

The top plug was then released and displaced with 188.75 of fresh water. The plug bumped and pressured up to 1400 psi. Pressure was released and floats held.

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

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

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