



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1214573
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: _____

1214573

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
-------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Anita 3420 2-13H
Doc ID	1214573

Tops

Name	Top	Datum
Base Heebner Shale Marker	4187	-2405
Lansing Limestone Group	4374	-2592
Marmaton Limestone Group	4943	-3136
Big Lime	4989	-3175
Oswego Limestones	5006	-3189
Pawnee Limestones	5069	-3237
Fort Scott Limestone	5117	-3273
Cherokee Shale Marker	5111	-3268
Mississippi Unconformity & Lime	5460	-3437

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Doc ID	1214573

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5468-5470		
5	5535-5537		
5	5608-5610		
5	5855-5857		
5	5927-5929		
5	5988-5990		
5	6047-6049		
5	6121-6123		
5	6209-6211		
5	6286-6288		
5	6347-6349		
5	6426-6428		
5	6547-6549		
5	6645-6647		
5	6858-6860		
5	6933-6935		
5	7012-7014		
5	7086-7088		
5	7149-7151		
5	7226-7228		
5	7279-7281		
5	7378-7380		
5	7436-7438		
5	7520-7522		

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	7583-7585		
5	7666-7668		
5	7762-7764		
5	7828-7830		
5	7899-7901		
5	7954-7956		
5	8012-8014		
5	8100-8102		
5	8172-8174		
5	8238-8240		
5	8306-8308		
5	8372-8374		
5	8476-8478		
5	8566-8568		
5	8654-8656		
5	8718-8720		
5	8794-8796		
5	8864-8866		
5	8916-8918		
5	9022-9024		
5	9076-9078		
5	9124-9126		
5	9186-9188		
5	9240-9242		

Form	ACO1 - Well Completion
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Well Name	Anita 3420 2-13H
Doc ID	1214573

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9298-9300		
5	9356-9358		
5	9410-9412		

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/16/2014
Job End Date:	6/18/2014
State:	Kansas
County:	Comanche
API Number:	15-033-21753-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Anita 3420 2-13H
Longitude:	-99.43530800
Latitude:	37.08979700
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	5,264
Total Base Water Volume (gal):	2,554,020
Total Base Non Water Volume:	0



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
Water	Archer	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	95.56260	None
Sand (Proppant)	Archer	Proppant					
			Silica Substrate	NA	100.00000	3.65440	None
Hydrochloric Acid (15%)	Archer	Acidizing					
			Hydrochloric Acid	7647-01-0	15.00000	0.09736	None
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00410	None
			Methyl Alcohol	67-56-1	80.00000	0.00082	None
			thiourea-formaldehyde copolymer	68527-49-1	15.00000	0.00015	None
Chemflush	Archer	Enviro-Friendly Chemical Flush					
			Hydrotreated Petroleum Distillate	64742-47-8	99.00000	0.00427	None
			Alcohol Ethoxylate Surfactants	NA	10.00000	0.00043	None
AIC	Archer	Liquid Acid Iron Control					
			Acetic Acid	64-19-7	50.00000	0.00183	None
			Citric Acid	77-92-9	30.00000	0.00110	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
		Other Chemicals					

		Water	7732-18-5		0.04423
		WATER	7732-18-5		0.02458
		Aliphatic Hydrocarbon	64742-47-8		0.02211
		Anionic Polymer	N/A		0.02211
		TRADE SECRET	N/A		0.01639
		Water	7732-18-5		0.00923
		ISOPROPANOL	67-63-0		0.00410
		METHANOL	67-56-1		0.00410
		Oxyalkylated Alcohol	68002-97-1		0.00369
		Polyol Ester	N/A		0.00369
		Acrylic Polymer	28205-96-1		0.00154
		Sodium Salt of Phosphate Ester	68131-72-6		0.00154
		Water	7732-18-5		0.00128
		Polyglycol Ester	N/A		0.00074
		Alcohol Ethoxylate Surfactants	N/A		0.00015
		n-olefins	N/A		0.00008
		Tetrasodium Ethylenediaminetetraacetate	64-02-8		0.00007
		Propargyl Alcohol	107-19-7		0.00006
		Surfactant	N/A		
		Buffer	N/A		
		Water	7732-18-5		
		Acetic Acid	64-19-7		
		Cinnamic Aldehyde	104-55-2		

* 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%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

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

Sandridge

Location Kansas
Field Sec 13 - 34S - 20W
Installation Comanche County Wellbore Anita 3420 2-13H (PWB)

Installation Data

Name	Latitude	Longitude	Northing	Easting
Comanche County	N37 5 27.20	W99 25 59.00	155930.00	1727829.00
Kansas State Planes, Southern Zone				

Slot Data

Name	North [ft]	East [ft]	Longitude	Easting
Anita 3420 2-13H	-391.45 N	-680.44 E	W99 26 7.11	1727168.54

Elevation Data

Slot - Mean Sea Level [ft]	Slot - Mudline/Ground level [ft]
1765.00	-1770.00
	15.00

Target Line: 05-07-14
TGT: 5260' KBTVD @ 0' VS
90.2° @ 180.13 AZI Plane

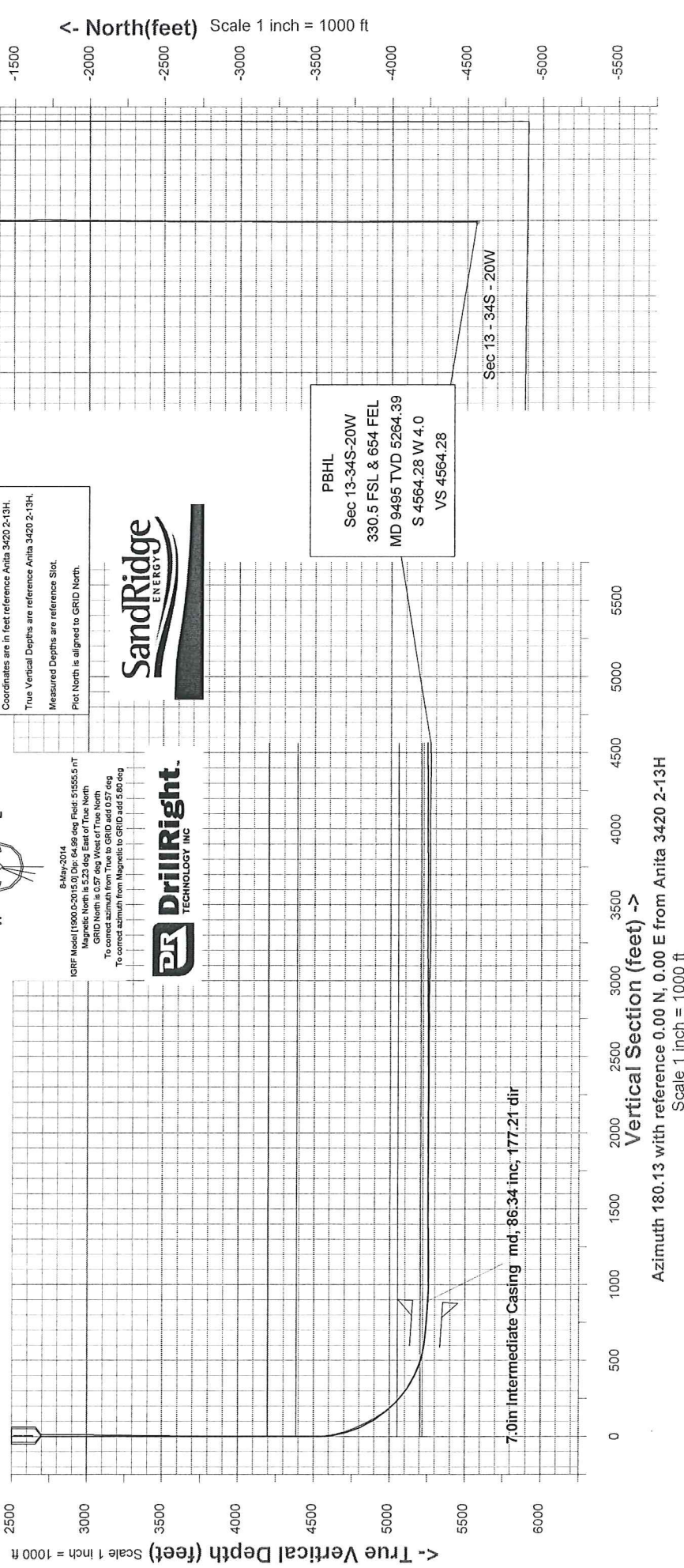
WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	Name	Position
KOP	0.00	0.00	0.00	0.00	KOP w/ 8" BRN	1727168.54 East : 155438.54 North
Target KOP w/ 8" BRN	4523.50	0.00	-179.87	4523.50	250' Tangent	1727167.03 East : 154772.28 North
Target 250' Tangent	5598.50	86.00	-179.87	5237.95	PBHL Anita 3420 2-13H	1727158.00 East : 150874.00 North
Target Build w/ 10" BR	5848.50	86.00	180.13	5255.39	Build w/ 10" BRN	1727166.46 East : 154522.88 North
Target Landing Point	5890.50	90.20	180.13	5256.78	Landing Point	1727166.37 East : 154480.91 North
T.D. & Target PBHL-Anit	9497.31	90.20	180.14	5244.07		

TARGET DATA

MD	Inc	Azi	TVD	North	East
4523.50	0.00	-179.87	4523.50	-0.00	0.00
5598.50	86.00	-179.87	5237.95	-666.24	-1.51
5848.50	86.00	180.14	5244.07	-4564.37	-10.54
5890.50	90.20	180.13	5255.39	-915.63	-2.08
5890.50	90.20	180.13	5256.78	-957.59	-2.17

Created by admin
 Date plotted 4-Jun-2014
 Plot reference is Anita 3420 2-13H (PWB).
 Ref wellpath is Anita 3420 2-13H (PVPF#1).
 Coordinates are in feet reference Anita 3420 2-13H.
 True Vertical Depths are reference Anita 3420 2-13H.
 Measured Depths are reference Slot.
 Plot North is aligned to GRID North.



PBHL
 Sec 13-34S-20W
 330.5 FSL & 654 FEL
 MD 9495 TVD 5264.39
 S 4564.28 W 4.0
 VS 4564.28

Surface Location
 Sec 13-34S-20W
 400 FNL & 660 FEL

East (feet) ->
 Scale 1 inch = 1000 ft

<- North(feet) Scale 1 inch = 1000 ft

Vertical Section (feet) ->
 Azimuth 180.13 with reference 0.00 N, 0.00 E from Anita 3420 2-13H
 Scale 1 inch = 1000 ft



Survey Report

DRT Job # : DR1405103

Company:	Sandridge	Customer Rep	Position	Directional Driller	MWD Operator
Well Name:	Anita 3420 2-13H	Luis Solis	Company Man	Bill Sneed	darryle davenport
Legals:	Sec: 13 Township: 34S Range: 20W	Luis Garza	Company Man	Travis Hall	Tommy Lewis
County/State:	Comanche KS				
Rig Name:	Horizon 4				

Anita 3420 2-13H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
TieInPoint	0	0	0	0	0	0	0	0	0	0	0	0
Survey	698	0.3	328.6	698	1.56	-0.95	-1.56	0.04	0.04	4.5	328.66	1.83
Survey	942	0.3	212.8	942	1.57	-1.63	-1.57	0.21	0	47.46	313.93	2.26
Survey	1193	0.2	224.3	1193	0.7	-2.29	-0.69	0.04	0.04	4.58	287	2.39
Survey	1446	0.6	155.2	1445.99	-0.82	-2.04	0.82	0.22	0.16	27.31	248.1	2.2
Survey	1729	0.7	201.1	1728.97	-3.78	-2.04	3.78	0.18	0.04	16.22	208.35	4.3
Survey	2043	0.7	191.8	2042.95	-7.45	-3.12	7.46	0.04	0	2.96	202.72	8.08
Survey	2295	0.7	190.2	2294.93	-10.47	-3.71	10.48	0.01	0	0.63	199.51	11.11
Survey	2546	0.1	345	2545.92	-11.77	-4.04	11.78	0.32	0.24	61.67	198.94	12.44
Survey	2798	0.1	146.4	2797.92	-11.74	-3.98	11.75	0.08	0	64.05	198.73	12.4
Survey	3050	0.6	42.7	3049.92	-10.95	-2.96	10.96	0.25	0.2	41.15	195.13	11.34
Survey	3303	0.8	29.9	3302.9	-8.45	-1.18	8.45	0.1	0.08	5.06	187.95	8.53
Survey	3556	0.7	42.5	3555.88	-5.78	0.74	5.78	0.08	0.04	4.98	172.7	5.83
Survey	3808	0.5	40.1	3807.87	-3.8	2.49	3.79	0.08	0.08	0.95	146.76	4.54
Survey	4060	0.4	352.9	4059.86	-2.09	3.09	2.08	0.15	0.04	18.73	124.07	3.73
Survey	4313	0.2	59.9	4312.86	-0.99	3.36	0.98	0.15	0.08	26.48	106.42	3.5
Survey	4500	0.1	65.2	4499.86	-0.76	3.79	0.75	0.05	0.05	2.83	101.34	3.87
Survey	4531	1.9	185	4530.85	-1.26	3.77	1.25	6.3	5.81	386.45	108.48	3.97
Survey	4563	5	192.4	4562.79	-3.15	3.42	3.14	9.77	9.69	23.13	132.65	4.65
Survey	4594	7.6	185.2	4593.6	-6.51	2.94	6.5	8.75	8.39	23.23	155.7	7.14
Survey	4625	10.5	181.7	4624.21	-11.38	2.67	11.37	9.52	9.35	11.29	166.8	11.69
Survey	4657	13.7	183.9	4655.5	-18.07	2.33	18.06	10.1	10	6.88	172.65	18.22
Survey	4688	15.9	185.9	4685.47	-25.96	1.64	25.96	7.28	7.1	6.45	176.39	26.01
Survey	4720	18.1	185.5	4716.07	-35.27	0.72	35.27	6.88	6.88	1.25	178.83	35.28
Survey	4751	20.6	185.2	4745.32	-45.5	-0.24	45.5	8.07	8.06	0.97	180.3	45.5
Survey	4782	22.1	183.7	4774.19	-56.75	-1.11	56.75	5.15	4.84	4.84	181.12	56.76
Survey	4814	23.4	183.7	4803.7	-69.1	-1.91	69.1	4.06	4.06	0	181.58	69.13
Survey	4845	25.2	183.6	4831.95	-81.83	-2.72	81.84	5.81	5.81	0.32	181.9	81.88
Survey	4877	27.4	183.1	4860.64	-95.98	-3.55	95.99	6.91	6.88	1.56	182.12	96.05
Survey	4909	28.5	180.1	4888.9	-110.97	-3.96	110.98	5.58	3.44	9.37	182.04	111.04
Survey	4940	30.6	178	4915.87	-126.25	-3.7	126.26	7.55	6.77	6.77	181.68	126.3
Survey	4972	33.7	179.4	4942.96	-143.27	-3.32	143.28	9.96	9.69	4.37	181.33	143.31
Survey	5003	36.6	181.5	4968.3	-161.12	-3.47	161.13	10.13	9.35	6.77	181.23	161.16
Survey	5035	39.5	183.1	4993.5	-180.82	-4.27	180.83	9.57	9.06	5	181.35	180.87
Survey	5066	41.2	183.4	5017.12	-200.86	-5.41	200.87	5.52	5.48	0.97	181.54	200.93
Survey	5098	43.5	181.6	5040.77	-222.39	-6.34	222.4	8.12	7.19	5.63	181.63	222.48
Survey	5129	46.6	179.6	5062.67	-244.33	-6.56	244.34	10.99	10	6.45	181.54	244.42
Survey	5161	49.7	178.3	5084.02	-268.16	-6.12	268.17	10.15	9.69	4.06	181.31	268.23
Survey	5192	52.8	178.7	5103.42	-292.32	-5.49	292.33	10.05	10	1.29	181.08	292.37
Survey	5224	56.1	179.7	5122.02	-318.35	-5.13	318.36	10.62	10.31	3.12	180.92	318.39
Survey	5255	57.5	180.5	5139	-344.29	-5.18	344.3	5.01	4.52	2.58	180.86	344.33
Survey	5287	60.7	182.5	5155.43	-371.73	-5.9	371.74	11.35	10	6.25	180.91	371.78
Survey	5318	63.4	182.8	5169.96	-399.08	-7.17	399.1	8.75	8.71	0.97	181.03	399.14
Survey	5350	67.1	182.4	5183.35	-428.11	-8.49	428.13	11.62	11.56	1.25	181.14	428.19
Survey	5381	69.8	180.9	5194.74	-456.92	-9.31	456.94	9.8	8.71	4.84	181.17	457.01
Survey	5413	71.8	181.6	5205.26	-487.13	-9.97	487.15	6.58	6.25	2.19	181.17	487.23
Survey	5444	75.2	180.9	5214.06	-516.84	-10.62	516.86	11.18	10.97	2.26	181.18	516.95
Survey	5476	78.7	180.4	5221.28	-548.01	-10.97	548.03	11.04	10.94	1.56	181.15	548.12
Survey	5508	81.3	179.6	5226.84	-579.52	-10.97	579.54	8.49	8.12	2.5	181.08	579.62
Survey	5539	83	179	5231.07	-610.23	-10.59	610.25	5.81	5.48	1.94	180.99	610.32
Survey	5571	84.5	178.5	5234.56	-642.03	-9.9	642.05	4.94	4.69	1.56	180.88	642.11
Survey	5603	85.3	178	5237.4	-673.89	-8.93	673.91	2.94	2.5	1.56	180.76	673.95
Survey	5635	85.4	178	5240	-705.76	-7.81	705.78	0.31	0.31	0	180.63	705.8
Survey	5667	85.4	177.6	5242.57	-737.63	-6.59	737.64	1.25	0	1.25	180.51	737.66
Survey	5698	85.5	177.4	5245.03	-768.51	-5.24	768.52	0.72	0.32	0.65	180.39	768.53
Survey	5828	86.4	177.2	5254.21	-898.04	0.87	898.04	0.71	0.69	0.15	179.94	898.04
Survey	5922	88.9	178.2	5258.07	-991.88	4.64	991.87	2.86	2.66	1.06	179.73	991.89
Survey	6017	89.8	180.5	5259.15	-1086.86	5.72	1086.84	2.6	0.95	2.42	179.7	1086.88
Survey	6110	90.8	180.2	5258.66	-1179.86	5.15	1179.85	1.12	1.08	0.32	179.75	1179.87
Survey	6205	90.3	180.4	5257.75	-1274.85	4.65	1274.84	0.57	0.53	0.21	179.79	1274.86
Survey	6300	90.1	180.6	5257.42	-1369.85	3.82	1369.84	0.3	0.21	0.21	179.84	1369.86
Survey	6395	91.2	179.9	5256.34	-1464.84	3.41	1464.83	1.37	1.16	0.74	179.87	1464.84
Survey	6489	89.9	178.6	5255.44	-1558.82	4.64	1558.81	1.96	1.38	1.38	179.83	1558.83

Survey	6584	90.3	179.2	5255.27	-1653.8	6.46	1653.78	0.76	0.42	0.63	179.78	1653.81
Survey	6679	89.8	180.4	5255.19	-1748.8	6.8	1748.78	1.37	0.53	1.26	179.78	1748.81
Survey	6774	89.6	180.4	5255.69	-1843.8	6.14	1843.78	0.21	0.21	0	179.81	1843.81
Survey	6868	89	181.2	5256.84	-1937.78	4.83	1937.76	1.06	0.64	0.85	179.86	1937.79
Survey	6962	89.3	181.4	5258.23	-2031.75	2.7	2031.74	0.38	0.32	0.21	179.92	2031.75
Survey	7057	90.8	181.4	5258.15	-2126.72	0.38	2126.71	1.58	1.58	0	179.99	2126.72
Survey	7120	90.7	180.3	5257.33	-2189.71	-0.55	2189.71	1.75	0.16	1.75	180.01	2189.71
Survey	7152	89.9	179.7	5257.16	-2221.71	-0.55	2221.71	3.12	2.5	1.88	180.01	2221.71
Survey	7183	88.8	180	5257.51	-2252.7	-0.47	2252.7	3.68	3.55	0.97	180.01	2252.7
Survey	7214	88.5	180.2	5258.24	-2283.69	-0.52	2283.69	1.16	0.97	0.65	180.01	2283.69
Survey	7246	88.7	180.2	5259.02	-2315.68	-0.64	2315.68	0.63	0.63	0	180.02	2315.68
Survey	7277	89.7	179.9	5259.46	-2346.68	-0.66	2346.68	3.37	3.23	0.97	180.02	2346.68
Survey	7309	90.5	180	5259.4	-2378.68	-0.63	2378.68	2.52	2.5	0.31	180.02	2378.68
Survey	7340	90.7	179.9	5259.07	-2409.68	-0.61	2409.68	0.72	0.65	0.32	180.01	2409.68
Survey	7371	90	180.5	5258.89	-2440.68	-0.72	2440.68	2.97	2.26	1.94	180.02	2440.68
Survey	7403	89.8	180.8	5258.95	-2472.68	-1.08	2472.68	1.13	0.63	0.94	180.03	2472.68
Survey	7433	90.2	180.7	5258.95	-2502.68	-1.48	2502.68	1.37	1.33	0.33	180.03	2502.68
Survey	7465	91.2	181.2	5258.56	-2534.67	-2.01	2534.67	3.49	3.13	1.56	180.05	2534.67
Survey	7496	91.1	181	5257.94	-2565.66	-2.61	2565.66	0.72	0.32	0.65	180.06	2565.66
Survey	7528	90.4	180.9	5257.52	-2597.65	-3.14	2597.65	2.21	2.19	0.31	180.07	2597.65
Survey	7559	90.3	180.7	5257.33	-2628.65	-3.57	2628.65	0.72	0.32	0.65	180.08	2628.65
Survey	7591	88.9	180.8	5257.56	-2660.64	-3.99	2660.64	4.39	4.37	0.31	180.09	2660.64
Survey	7623	88.4	181	5258.31	-2692.63	-4.49	2692.63	1.68	1.56	0.62	180.1	2692.63
Survey	7645	89.5	181.5	5258.71	-2714.62	-4.97	2714.62	5.49	5	2.27	180.1	2714.62
Survey	7677	90.1	181.4	5258.82	-2746.61	-5.78	2746.62	1.9	1.87	0.31	180.12	2746.62
Survey	7709	90.5	181.9	5258.66	-2778.6	-6.7	2778.61	2	1.25	1.56	180.14	2778.61
Survey	7740	91.3	181.4	5258.17	-2809.58	-7.59	2809.59	3.04	2.58	1.61	180.15	2809.59
Survey	7772	90.4	181	5257.7	-2841.57	-8.26	2841.58	3.08	2.81	1.25	180.17	2841.58
Survey	7803	90.7	180.3	5257.4	-2872.57	-8.61	2872.58	2.46	0.97	2.26	180.17	2872.58
Survey	7898	88	179.2	5258.48	-2967.55	-8.2	2967.56	3.07	2.84	1.16	180.16	2967.56
Survey	7992	88.4	179.8	5261.43	-3061.5	-7.38	3061.51	0.77	0.43	0.64	180.14	3061.51
Survey	8085	88.3	181.2	5264.11	-3154.46	-8.19	3154.47	1.51	0.11	1.51	180.15	3154.47
Survey	8180	91.1	180.7	5264.61	-3249.44	-9.76	3249.45	2.99	2.95	0.53	180.17	3249.45
Survey	8274	90.3	180.8	5263.46	-3343.42	-10.99	3343.44	0.86	0.85	0.11	180.19	3343.44
Survey	8370	90.3	179.8	5262.96	-3439.42	-11.49	3439.44	1.04	0	1.04	180.19	3439.44
Survey	8464	90.6	179.5	5262.22	-3533.42	-10.92	3533.44	0.45	0.32	0.32	180.18	3533.44
Survey	8558	89.8	179.3	5261.89	-3627.41	-9.94	3627.42	0.88	0.85	0.21	180.16	3627.42
Survey	8652	90.2	178.8	5261.89	-3721.4	-8.38	3721.41	0.68	0.43	0.53	180.13	3721.41
Survey	8747	91.1	179.2	5260.81	-3816.38	-6.72	3816.39	1.04	0.95	0.42	180.1	3816.39
Survey	8841	89.3	179.9	5260.48	-3910.37	-5.98	3910.37	2.05	1.91	0.74	180.09	3910.37
Survey	8936	89.2	180.4	5261.72	-4005.36	-6.23	4005.36	0.54	0.11	0.53	180.09	4005.36
Survey	9030	89.6	179.4	5262.7	-4099.35	-6.07	4099.35	1.15	0.43	1.06	180.08	4099.35
Survey	9124	88.9	180.1	5263.93	-4193.34	-5.66	4193.34	1.05	0.74	0.74	180.08	4193.34
Survey	9218	89.5	180.1	5265.24	-4287.33	-5.82	4287.33	0.64	0.64	0	180.08	4287.33
Survey	9312	89.9	179.7	5265.73	-4381.33	-5.66	4381.33	0.6	0.43	0.43	180.07	4381.33
Survey	9407	90.4	179.2	5265.48	-4476.32	-4.75	4476.32	0.74	0.53	0.53	180.06	4476.32
Survey	9449	90.8	179.6	5265.04	-4518.32	-4.31	4518.32	1.35	0.95	0.95	180.05	4518.32
PrjCalcPnt	9495	90.8	179.6	5264.4	-4564.31	-3.99	4564.31	0	0	0	180.05	4564.32



SandRidge Energy
Anita 3420 2-13H
Comanche County, KS.

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Anita #3420 2-13H Intermediate 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 20 Bbls of Stop Loss spacer. We then mixed and pumped the following cements:

59.8 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

21.01 Bbls (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 216 Bbl of fresh water. The plug bumped and pressured up to 1500 psi. Pressure was released and floats held.

Prior to and during most of the job there were no returns. Allied regained circulation 7 bbl before bumping the plug. Lift pressures show good lift throughout displacement.

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 suggestion are greatly appreciated and help us to continue to provide this level of service.

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



SandRidge Energy
Anita 3420#2-13H
Comanche County, KS.

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Anita 3420 # 2-13H 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 2500 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

70 Bbls (210 sacks) of 12.7 ppg Lead slurry:
Class A poz Blend Yeild 1.87
6% Gel
2% CC
¼# Floseal

32 Bbls (150 sacks) of 15.6 ppg Tail slurry
Class A Yeild 1.20
2% CC
¼ # Floseal

The top plug was then released and displaced with 48 Bbls of fresh water. The plug bumped and pressured up to 1000 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.



INVOICE

DATE	INVOICE #
3/31/2014	4659

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

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

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
COMANCHE, ...	3/24/2014	3531	NOMAC 52	ANITA 3420 2-13H	Due on rec...

Description
DRILLED 80' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 80' OF 20" CONDUCTOR PIPE FURNISHED MUD, WATER, AND TRUCKING FURNISHED WELDER AND MATERIALS FURNISHED 8 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE FURNISHED 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 50' OF 16" CONDUCTOR PIPE TOTAL BID \$17,850

Sales Tax (6.65%)	\$145.77
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TOTAL	\$17,995.77
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