

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: <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> <i>(Submit ACO-4)</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	Raymond 3505 1-7H
Doc ID	1208385

All Electric Logs Run

Prizm
Boresight
Porosity
Resistivity
Mud



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

TICKET

TICKET NUMBER: WY-171-1
 TICKET DATE: 11/26/2013

ELECTRONIC

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

YARD: WY WAYNOKA OK
 LEASE: Raymond 3505
 WELL#: 1-7H
 RIG #: Unit 9
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
11/26/2013 DRILLED 30" CONDUCTOR HOLE			
11/26/2013 20" CONDUCTOR PIPE (.250 WALL)			
11/26/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
11/26/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
11/26/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
11/26/2013 16" CONDUCTOR PIPE (.250 WALL)			
11/26/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
11/26/2013 WELDING SERVICES FOR PIPE & LIDS			
11/26/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
11/26/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
11/26/2013 14 YDS OF 10 SACK GROUT			
11/26/2013 8X8 HOLE COVER			
11/26/2013 TAXABLE ITEMS			6,265.00
11/26/2013 BID - TAXABLE ITEMS			12,235.00
		Sub Total:	18,500.00
		Tax HARPER COUNTY (6.15 %):	385.30
		TICKET TOTAL:	<u>\$ 18,885.30</u>

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

Approved Signature _____

AFE Number: DC13378
 Well Name: Raymond 3503 1-7H
 Code: 850-010
 Amount: \$18,885.30
 Co. Man: Dwayne Burt
 Co. Man Sig.: Dwayne Burt
 Notes: _____

JOB SUMMARY			PROJECT NUMBER SOK 3293	TICKET DATE 12/27/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP QUINCEY LOVEN	
LEASE NAME Raymond 3505	Well No. 1-7H	JOB TYPE Surface	EMPLOYEE NAME	

EMP NAME					
Robert Burris		0			
Mike Hall					
Cheryl Newton					
MIKE CHALPHANT					

Form, Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **685**

Date	Called Out	On Location	Job Started	Job Completed
	12/26/2013	12/27/2013	12/27/2013	12/27/2013
Time	22:30	01:00	07:04	09:00

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

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9"		Surface	691	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	685	Shots/Fl.
Perforations							
Perforations							
Perforations							

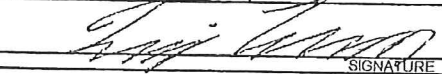
Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water BBL.		10 8.33
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/27	8.0	12/27	0.7	Surface
Total	8.0	Total	0.7	

Pressures	
MAX	1,500 PSI
AVG.	225 PSI
Average Rates in BPM	
MAX	6 BPM
AVG	4 BPM
Cement Left in Pipe	
Feet	46 FT
Reason SHOE JOINT	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	210	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/2pps Cello-Flake - .5% C-41P	11.11	2.01	12.40
2	140	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type:	MAXIMUM	1,500 PSI	Preflush: BBI	10.00
	Lost Returns-N	NO/FULL		Load & Bkdn: Gal - BBI	N/A
	Actual TOC	SURFACE		Excess /Return BBI	25
Average	Bump Plug PSI:	900		Calc. TOC:	SURFACE
15IP	5 Min.	10 Min.	15 Min.	Final Circ. PSI:	300
				Cement Slurry: BBI	108.0
				Total Volume BBI	168.00

CUSTOMER REPRESENTATIVE  SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 3319	TICKET DATE 01/12/14
COUNTY Harper	STATE Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Dwayne Burt	
LEASE NAME Raymond 3505	Well No. 1-7H	JOB TYPE Intermediate	EMPLOYEE NAME NATHAN COTTA	

EMP NAME					
John Hall		0			
Joseph Klemm					
Roy Morris					
David Thomas					

Form. Name _____ Type: _____
 Packer Type _____ Set At _____ 0
 Bottom Hole Temp. 130 Pressure _____
 Retainer Depth _____ Total Depth 6,264'

	Called Out	On Location	Job Started	Job Completed
Date	1.12.14	1.12.14	1.12.14	1.12.14
Time	500	900	1437	1630

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data					
	New/Used	Weight	Size	Grade	
Casing		26#	7"		
Liner					
Liner					
Tubing			0		
Drill Pipe					
Open Hole			8 7/8"	Surface	0
Perforations					
Perforations					
Perforations					

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Gel-Bent BBL		30 10.00
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	
1.12.14	7.5	1.12.14	2.0	Intermediate
Total	7.5	Total	2.0	

Pressures	
MAX	3500 PSI
AVG	400
Average Rates in BPM	
MAX	6.5 BPM
AVG	5
Cement Left in Pipe	
Feet	89
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	280	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.1% C-37 - 0.2% C-20 - 0.4% C-41P	6.93	1.43	13.60
2	200	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns _____	Actual TOC _____	Bump Plug PSI: _____
	3500 PSI	NO/ULL	2793'	1,500	10 Min _____
Average	5 Min _____	15 Min _____			
Preflush:	BBI	30.00	Type: _____	Gal Spacer	
Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A	
Excess /Return	BBI	N/A	Calc. Disp Bbl	236	
Calc. TOC:		2,793	Actual Disp.	236.00	
Final Circ.	PSI:	800	Disp:Bbl	236.00	
Cement Slurry	BBI	113.7			
Total Volume	BBI	379.69			

CUSTOMER REPRESENTATIVE *Dwayne Burt* SIGNATURE

Company: Sandridge
Well Name: Raymond 3505 1-7H
Legals: Sec: 7 Township: 35S Range: 5W
County/State: Harper County KS
Rig Name: Unit 9

Customer Rep	Position	Directional Driller	MWD Operator
		Christopher Moon	Jerry Wilkins
		Bill Wright	

Raymond 1-7H Lower Target Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
TieInPoint	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
Survey	781.00	0.70	30.00	780.98	4.13	2.39	3.76	0.09	0.09	3.84	30.06	4.77
Survey	1057.00	1.00	35.70	1056.95	7.55	4.63	6.84	0.11	0.11	2.07	31.52	8.86
Survey	1425.00	0.70	57.90	1424.91	11.35	8.41	10.08	0.12	0.08	6.03	36.54	14.13
Survey	1520.00	0.70	284.70	1519.91	11.81	8.34	10.54	1.35	0.00	140.21	35.23	14.46
Survey	1614.00	1.90	271.70	1613.88	12.00	6.23	11.02	1.31	1.28	13.83	27.44	13.52
Survey	1709.00	2.90	265.60	1708.80	11.86	2.26	11.43	1.08	1.05	6.42	10.79	12.07
Survey	1803.00	3.50	266.60	1802.65	11.51	-2.98	11.81	0.64	0.64	1.06	345.48	11.89
Survey	1898.00	4.10	261.40	1897.44	10.83	-9.23	12.00	0.73	0.63	5.47	319.56	14.23
Survey	1993.00	5.20	258.10	1992.13	9.43	-16.80	11.66	1.19	1.16	3.47	299.31	19.27
Survey	2088.00	6.20	259.10	2086.66	7.58	-26.05	11.11	1.06	1.05	1.05	286.22	27.13
Survey	2183.00	6.80	260.80	2181.05	5.71	-36.64	10.72	0.66	0.63	1.79	278.86	37.08
Survey	2277.00	7.80	266.00	2274.29	4.38	-48.50	11.05	1.27	1.06	5.53	275.16	48.70
Survey	2372.00	9.00	270.60	2368.27	4.00	-62.36	12.59	1.45	1.26	4.84	273.67	62.49
Survey	2467.00	9.40	271.00	2462.05	4.21	-77.55	14.90	0.43	0.42	0.42	273.11	77.66
Survey	2561.00	10.50	273.60	2554.63	4.89	-93.77	17.81	1.26	1.17	2.77	272.99	93.90
Survey	2656.00	10.20	272.60	2648.09	5.81	-110.81	21.08	0.37	0.32	1.05	273.00	110.96
Survey	2752.00	10.30	271.40	2742.56	6.41	-127.88	24.04	0.25	0.10	1.25	272.87	128.04
Survey	2848.00	10.00	270.20	2837.06	6.64	-144.80	26.60	0.38	0.31	1.25	272.63	144.95
Survey	2943.00	9.90	269.90	2930.63	6.66	-161.21	28.89	0.12	0.11	0.32	272.37	161.35
Survey	3037.00	10.20	270.00	3023.19	6.65	-177.61	31.15	0.32	0.32	0.11	272.14	177.73
Survey	3132.00	10.00	269.60	3116.72	6.59	-194.27	33.40	0.22	0.21	0.42	271.94	194.38
Survey	3227.00	9.50	267.90	3210.34	6.24	-210.36	35.27	0.61	0.53	1.79	271.70	210.45
Survey	3322.00	8.20	270.20	3304.21	5.98	-224.97	37.04	1.42	1.37	2.42	271.52	225.05
Survey	3417.00	8.50	266.40	3398.20	5.56	-238.75	38.53	0.66	0.32	4.00	271.33	238.81
Survey	3512.00	8.30	264.20	3492.18	4.43	-252.58	39.32	0.40	0.21	2.32	271.00	252.62
Survey	3606.00	8.30	265.60	3585.20	3.22	-266.09	39.99	0.21	0.00	1.49	270.69	266.11
Survey	3701.00	8.80	272.40	3679.14	3.00	-280.19	41.72	1.19	0.53	7.16	270.61	280.21
Survey	3795.00	9.60	278.80	3771.93	4.50	-295.12	45.27	1.38	0.85	6.81	270.87	295.15
Survey	3827.00	9.40	278.60	3803.49	5.30	-300.34	46.79	0.63	0.62	0.62	271.01	300.39
Survey	3922.00	10.70	290.10	3897.04	9.49	-316.30	53.15	2.51	1.37	12.11	271.72	316.44
Survey	3954.00	10.40	294.30	3928.50	11.70	-321.72	56.08	2.58	0.94	13.13	272.08	321.93
Survey	3985.00	10.30	300.00	3959.00	14.24	-326.67	59.28	3.32	0.32	18.39	272.50	326.98
Survey	4017.00	11.80	307.50	3990.40	17.66	-331.74	63.37	6.48	4.69	23.44	273.05	332.21
Survey	4048.00	13.50	311.00	4020.65	21.96	-336.99	68.36	6.01	5.48	11.29	273.73	337.70
Survey	4080.00	16.00	311.40	4051.59	27.33	-343.12	74.52	7.82	7.81	1.25	274.55	344.21
Survey	4112.00	18.30	313.60	4082.17	33.71	-350.06	81.80	7.47	7.19	6.88	275.50	351.68
Survey	4143.00	19.40	319.00	4111.51	40.96	-356.97	89.94	6.65	3.55	17.42	276.55	359.31
Survey	4175.00	21.00	323.50	4141.54	49.58	-363.87	99.43	6.97	5.00	14.06	277.76	367.23
Survey	4206.00	21.00	327.30	4170.48	58.72	-370.17	109.35	4.39	0.00	12.26	279.01	374.80
Survey	4238.00	22.80	330.90	4200.18	68.97	-376.29	120.35	7.02	5.63	11.25	280.39	382.56
Survey	4269.00	25.80	332.90	4228.43	80.22	-382.28	132.32	10.03	9.68	6.45	281.85	390.61

Raymond 1-7H Lower Target Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	4301.00	28.60	335.30	4256.89	93.38	-388.66	146.24	9.40	8.75	7.50	283.51	399.72
Survey	4332.00	30.30	338.60	4283.88	107.41	-394.61	160.96	7.58	5.48	10.65	285.23	408.97
Survey	4364.00	31.60	339.50	4311.32	122.78	-400.49	176.99	4.31	4.06	2.81	287.04	418.89
Survey	4396.00	33.30	341.50	4338.33	138.96	-406.22	193.81	6.28	5.31	6.25	288.88	429.33
Survey	4428.00	35.50	344.30	4364.73	156.24	-411.52	211.66	8.47	6.88	8.75	290.79	440.18
Survey	4460.00	37.40	345.80	4390.47	174.61	-416.42	230.53	6.56	5.94	4.69	292.75	451.55
Survey	4492.00	40.00	347.90	4415.44	194.09	-420.96	250.45	9.10	8.12	6.56	294.75	463.55
Survey	4524.00	41.70	348.00	4439.65	214.56	-425.33	271.32	5.32	5.31	0.31	296.77	476.38
Survey	4555.00	43.90	347.50	4462.39	235.14	-429.80	292.33	7.18	7.10	1.61	298.68	489.92
Survey	4587.00	47.40	347.00	4484.76	257.45	-434.85	315.12	10.99	10.94	1.56	300.63	505.35
Survey	4619.00	50.40	347.40	4505.79	280.96	-440.19	339.14	9.42	9.37	1.25	302.55	522.21
Survey	4651.00	51.10	348.80	4526.04	305.21	-445.30	363.87	4.03	2.19	4.38	304.43	539.86
Survey	4682.00	53.20	349.70	4545.06	329.26	-449.86	388.32	7.15	6.77	2.90	306.20	557.48
Survey	4714.00	55.90	349.30	4563.62	354.89	-454.61	414.36	8.50	8.44	1.25	307.98	576.73
Survey	4745.00	58.40	349.30	4580.43	380.48	-459.45	440.37	8.06	8.06	0.00	309.63	596.54
Survey	4777.00	61.30	349.20	4596.50	407.66	-464.61	468.00	9.07	9.06	0.31	311.26	618.10
Survey	4808.00	63.40	349.40	4610.89	434.64	-469.71	495.43	6.80	6.77	0.65	312.78	639.95
Survey	4840.00	65.90	349.70	4624.59	463.08	-474.95	524.32	7.86	7.81	0.94	314.28	663.34
Survey	4871.00	69.30	350.30	4636.40	491.30	-479.92	552.96	11.11	10.97	1.94	315.67	686.80
Survey	4903.00	71.30	352.00	4647.19	521.07	-484.56	583.08	8.00	6.25	5.31	317.08	711.56
Survey	4933.00	71.20	352.10	4656.83	549.20	-488.49	611.48	0.46	0.33	0.33	318.35	735.01
Survey	4965.00	71.40	352.10	4667.09	579.23	-492.65	641.80	0.63	0.63	0.00	319.62	760.40
Survey	4996.00	71.80	351.90	4676.88	608.35	-496.75	671.21	1.43	1.29	0.65	320.77	785.40
Survey	5028.00	71.90	352.00	4686.84	638.46	-501.00	701.62	0.43	0.31	0.31	321.88	811.56
Survey	5060.00	72.20	351.40	4696.70	668.58	-505.39	732.05	2.02	0.94	1.88	322.91	838.10
Survey	5091.00	72.50	351.90	4706.10	697.81	-509.68	761.60	1.82	0.97	1.61	323.86	864.13
Survey	5123.00	71.40	351.60	4716.01	727.92	-514.05	792.02	3.55	3.44	0.94	324.77	891.13
Survey	5154.00	71.40	351.10	4725.90	756.97	-518.46	821.40	1.53	0.00	1.61	325.59	917.50
Survey	5218.00	71.10	350.70	4746.47	816.81	-528.04	881.99	0.75	0.47	0.62	327.12	972.63
Survey	5344.00	70.00	349.60	4788.43	933.87	-548.36	1000.74	1.20	0.87	0.87	329.58	1082.96
Survey	5407.00	70.00	349.10	4809.98	992.05	-559.31	1059.87	0.75	0.00	0.79	330.59	1138.86
Survey	5470.00	69.30	349.30	4831.88	1050.07	-570.37	1118.87	1.15	1.11	0.32	331.49	1194.98
Survey	5533.00	68.80	350.60	4854.41	1108.00	-580.64	1177.66	2.08	0.79	2.06	332.34	1250.92
Survey	5597.00	68.60	350.40	4877.66	1166.81	-590.48	1237.26	0.43	0.31	0.31	333.16	1307.71
Survey	5660.00	67.80	351.10	4901.06	1224.54	-599.88	1295.74	1.64	1.27	1.11	333.90	1363.58
Survey	5723.00	67.50	352.30	4925.01	1282.20	-608.30	1354.01	1.82	0.48	1.90	334.62	1419.18
Survey	5787.00	67.80	352.30	4949.35	1340.86	-616.23	1413.20	0.47	0.47	0.00	335.32	1475.68
Survey	5850.00	68.90	353.40	4972.59	1398.96	-623.51	1471.75	2.38	1.75	1.75	335.98	1531.62
Survey	5913.00	68.90	353.10	4995.27	1457.32	-630.42	1530.51	0.44	0.00	0.48	336.61	1587.83
Survey	5976.00	68.70	352.60	5018.05	1515.60	-637.73	1589.24	0.81	0.32	0.79	337.18	1644.31
Survey	6039.00	67.80	351.80	5041.40	1573.58	-645.67	1647.76	1.85	1.43	1.27	337.69	1700.89
Survey	6108.00	67.80	351.20	5067.47	1636.76	-655.11	1711.64	0.81	0.00	0.87	338.19	1763.00
Survey	6134.00	70.00	352.10	5076.83	1660.76	-658.63	1735.89	9.06	8.46	3.46	338.37	1786.59
Survey	6166.00	72.30	353.50	5087.17	1690.80	-662.43	1766.17	8.29	7.19	4.37	338.61	1815.93
Survey	6194.00	74.30	355.00	5095.21	1717.48	-665.11	1792.96	8.79	7.14	5.36	338.83	1841.77
Survey	6216.00	75.90	356.50	5100.87	1738.68	-666.69	1814.18	9.81	7.27	6.82	339.02	1862.12
Survey	6295.00	81.50	358.20	5116.34	1816.03	-670.26	1891.28	7.40	7.09	2.15	339.74	1935.77
Survey	6327.00	83.90	359.60	5120.41	1847.77	-670.86	1922.80	8.66	7.50	4.38	340.05	1965.78

Raymond 1-7H Lower Target Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	6359.00	85.90	0.80	5123.26	1879.64	-670.75	1954.35	7.28	6.25	3.75	340.36	1995.73
Survey	6453.00	88.90	1.30	5127.52	1973.51	-669.03	2047.08	3.24	3.19	0.53	341.27	2083.83
Survey	6548.00	90.50	0.80	5128.02	2068.49	-667.29	2140.90	1.76	1.68	0.53	342.12	2173.46
Survey	6643.00	89.00	358.60	5128.43	2163.48	-667.79	2235.05	2.80	1.58	2.32	342.85	2264.20
Survey	6738.00	89.80	0.80	5129.43	2258.47	-668.28	2329.19	2.46	0.84	2.32	343.52	2355.27
Survey	6833.00	91.90	1.20	5128.02	2353.44	-666.63	2423.02	2.25	2.21	0.42	344.18	2446.03
Survey	6929.00	91.60	0.90	5125.08	2449.38	-664.87	2517.80	0.44	0.31	0.31	344.81	2538.01
Survey	7023.00	91.70	0.40	5122.38	2543.33	-663.80	2610.70	0.54	0.11	0.53	345.37	2628.53
Survey	7119.00	91.00	359.80	5120.12	2639.30	-663.64	2705.72	0.96	0.73	0.62	345.89	2721.46
Survey	7214.00	89.90	359.10	5119.37	2734.29	-664.55	2799.92	1.37	1.16	0.74	346.34	2813.89
Survey	7309.00	90.20	359.30	5119.29	2829.29	-665.87	2894.19	0.38	0.32	0.21	346.76	2906.59
Survey	7405.00	90.30	359.80	5118.87	2925.28	-666.63	2989.37	0.53	0.10	0.52	347.16	3000.28
Survey	7501.00	90.40	0.40	5118.28	3021.28	-666.46	3084.42	0.63	0.10	0.62	347.56	3093.91
Survey	7596.00	90.70	0.90	5117.37	3116.27	-665.38	3178.35	0.61	0.32	0.53	347.95	3186.51
Survey	7692.00	88.60	1.20	5117.96	3212.25	-663.62	3273.16	2.21	2.19	0.31	348.33	3280.08
Survey	7787.00	88.30	1.10	5120.53	3307.20	-661.71	3366.94	0.33	0.32	0.11	348.69	3372.75
Survey	7882.00	90.90	1.70	5121.19	3402.16	-659.39	3460.66	2.81	2.74	0.63	349.03	3465.47
Survey	7977.00	89.20	0.80	5121.11	3497.13	-657.32	3554.43	2.02	1.79	0.95	349.35	3558.37
Survey	8072.00	90.10	1.00	5121.69	3592.12	-655.83	3648.30	0.97	0.95	0.21	349.65	3651.50
Survey	8167.00	91.10	1.20	5120.70	3687.10	-654.01	3742.12	1.07	1.05	0.21	349.94	3744.65
Survey	8263.00	88.90	0.10	5120.70	3783.09	-652.92	3837.04	2.56	2.29	1.15	350.21	3839.02
Survey	8358.00	89.40	0.50	5122.11	3878.07	-652.42	3931.03	0.67	0.53	0.42	350.45	3932.57
Survey	8452.00	90.80	1.20	5121.95	3972.06	-651.03	4023.93	1.67	1.49	0.74	350.69	4025.06
Survey	8548.00	90.00	0.20	5121.28	4068.05	-649.86	4118.83	1.33	0.83	1.04	350.92	4119.63
Survey	8643.00	90.10	0.10	5121.20	4163.05	-649.61	4212.89	0.15	0.11	0.11	351.13	4213.43
Survey	8737.00	89.60	359.20	5121.45	4257.05	-650.18	4306.06	1.10	0.53	0.96	351.32	4306.41
Survey	8832.00	89.80	359.40	5121.94	4352.04	-651.34	4400.30	0.30	0.21	0.21	351.49	4400.51
Survey	8927.00	89.90	358.90	5122.19	4447.03	-652.75	4494.57	0.54	0.11	0.53	351.65	4494.68
Survey	9021.00	89.90	358.40	5122.35	4541.00	-654.96	4587.94	0.53	0.00	0.53	351.79	4587.99
Survey	9117.00	90.60	358.80	5121.93	4636.96	-657.31	4683.31	0.84	0.73	0.42	351.93	4683.32
Survey	9140.00	91.10	358.90	5121.59	4659.96	-657.77	4706.15	2.22	2.17	0.43	351.97	4706.15
Survey	9190.00	91.10	358.90	5120.63	4709.94	-658.73	4755.78	0.00	0.00	0.00	352.04	4755.78

Summary of Changes

Lease Name and Number: Raymond 3505 1-7H

API/Permit #: 15-077-21987-01-00

Doc ID: 1208385

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Additional Type And Percent Additive		Composite Bridge Pllug-no cement
Approved Date	03/21/2014	06/04/2014
Cementing Purpose Plug Back TD	No	Yes
CementingDepth1_PDF	-	5182-
CementingDepthTop1		5182
Completion Or Recompletion Date	3/21/2014	3/28/2014
Number Of Sacks Used for Cementing / Squeezing- Line 1 Plug Back Total Depth		0 5182
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1194928	../../../../kcc/detail/operatorEditDetail.cfm?docID=1208385
Type Of Cement Used for Cementing / Squeezing - Line 1		na

Summary of Attachments

Lease Name and Number: Raymond 3505 1-7H

API: 15-077-21987-01-00

Doc ID: 1208385

Correction Number: 1

Attachment Name

Cement Tickets

Directional Survey



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1194928
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed

Form must be Signed

All blanks must be Filled

CONFIDENTIAL 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
-----------------------------------	-----------------	---

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 Geologist Report / Mud Logs <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
--	---

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Raymond 3505 1-7H
Doc ID	1194928

All Electric Logs Run

Prizm
Boresight
Porosity
Resistivity
Mud

Company: Sandridge
Well Name: Raymond 3505 1-7H
Legals: Sec: 7 Township: 35S Range: 5W
County/State: Harper County KS
Rig Name: Unit 9

Customer Rep	Position	Directional Driller	MWD Operator
		Christopher Moon	Jerry Wilkins
		Bill Wright	

Raymond 1-7H Lower Target Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
TieInPoint	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
Survey	781.00	0.70	30.00	780.98	4.13	2.39	3.76	0.09	0.09	3.84	30.06	4.77
Survey	1057.00	1.00	35.70	1056.95	7.55	4.63	6.84	0.11	0.11	2.07	31.52	8.86
Survey	1425.00	0.70	57.90	1424.91	11.35	8.41	10.08	0.12	0.08	6.03	36.54	14.13
Survey	1520.00	0.70	284.70	1519.91	11.81	8.34	10.54	1.35	0.00	140.21	35.23	14.46
Survey	1614.00	1.90	271.70	1613.88	12.00	6.23	11.02	1.31	1.28	13.83	27.44	13.52
Survey	1709.00	2.90	265.60	1708.80	11.86	2.26	11.43	1.08	1.05	6.42	10.79	12.07
Survey	1803.00	3.50	266.60	1802.65	11.51	-2.98	11.81	0.64	0.64	1.06	345.48	11.89
Survey	1898.00	4.10	261.40	1897.44	10.83	-9.23	12.00	0.73	0.63	5.47	319.56	14.23
Survey	1993.00	5.20	258.10	1992.13	9.43	-16.80	11.66	1.19	1.16	3.47	299.31	19.27
Survey	2088.00	6.20	259.10	2086.66	7.58	-26.05	11.11	1.06	1.05	1.05	286.22	27.13
Survey	2183.00	6.80	260.80	2181.05	5.71	-36.64	10.72	0.66	0.63	1.79	278.86	37.08
Survey	2277.00	7.80	266.00	2274.29	4.38	-48.50	11.05	1.27	1.06	5.53	275.16	48.70
Survey	2372.00	9.00	270.60	2368.27	4.00	-62.36	12.59	1.45	1.26	4.84	273.67	62.49
Survey	2467.00	9.40	271.00	2462.05	4.21	-77.55	14.90	0.43	0.42	0.42	273.11	77.66
Survey	2561.00	10.50	273.60	2554.63	4.89	-93.77	17.81	1.26	1.17	2.77	272.99	93.90
Survey	2656.00	10.20	272.60	2648.09	5.81	-110.81	21.08	0.37	0.32	1.05	273.00	110.96
Survey	2752.00	10.30	271.40	2742.56	6.41	-127.88	24.04	0.25	0.10	1.25	272.87	128.04
Survey	2848.00	10.00	270.20	2837.06	6.64	-144.80	26.60	0.38	0.31	1.25	272.63	144.95
Survey	2943.00	9.90	269.90	2930.63	6.66	-161.21	28.89	0.12	0.11	0.32	272.37	161.35
Survey	3037.00	10.20	270.00	3023.19	6.65	-177.61	31.15	0.32	0.32	0.11	272.14	177.73
Survey	3132.00	10.00	269.60	3116.72	6.59	-194.27	33.40	0.22	0.21	0.42	271.94	194.38
Survey	3227.00	9.50	267.90	3210.34	6.24	-210.36	35.27	0.61	0.53	1.79	271.70	210.45
Survey	3322.00	8.20	270.20	3304.21	5.98	-224.97	37.04	1.42	1.37	2.42	271.52	225.05
Survey	3417.00	8.50	266.40	3398.20	5.56	-238.75	38.53	0.66	0.32	4.00	271.33	238.81
Survey	3512.00	8.30	264.20	3492.18	4.43	-252.58	39.32	0.40	0.21	2.32	271.00	252.62
Survey	3606.00	8.30	265.60	3585.20	3.22	-266.09	39.99	0.21	0.00	1.49	270.69	266.11
Survey	3701.00	8.80	272.40	3679.14	3.00	-280.19	41.72	1.19	0.53	7.16	270.61	280.21
Survey	3795.00	9.60	278.80	3771.93	4.50	-295.12	45.27	1.38	0.85	6.81	270.87	295.15
Survey	3827.00	9.40	278.60	3803.49	5.30	-300.34	46.79	0.63	0.62	0.62	271.01	300.39
Survey	3922.00	10.70	290.10	3897.04	9.49	-316.30	53.15	2.51	1.37	12.11	271.72	316.44
Survey	3954.00	10.40	294.30	3928.50	11.70	-321.72	56.08	2.58	0.94	13.13	272.08	321.93
Survey	3985.00	10.30	300.00	3959.00	14.24	-326.67	59.28	3.32	0.32	18.39	272.50	326.98
Survey	4017.00	11.80	307.50	3990.40	17.66	-331.74	63.37	6.48	4.69	23.44	273.05	332.21
Survey	4048.00	13.50	311.00	4020.65	21.96	-336.99	68.36	6.01	5.48	11.29	273.73	337.70
Survey	4080.00	16.00	311.40	4051.59	27.33	-343.12	74.52	7.82	7.81	1.25	274.55	344.21
Survey	4112.00	18.30	313.60	4082.17	33.71	-350.06	81.80	7.47	7.19	6.88	275.50	351.68
Survey	4143.00	19.40	319.00	4111.51	40.96	-356.97	89.94	6.65	3.55	17.42	276.55	359.31
Survey	4175.00	21.00	323.50	4141.54	49.58	-363.87	99.43	6.97	5.00	14.06	277.76	367.23
Survey	4206.00	21.00	327.30	4170.48	58.72	-370.17	109.35	4.39	0.00	12.26	279.01	374.80
Survey	4238.00	22.80	330.90	4200.18	68.97	-376.29	120.35	7.02	5.63	11.25	280.39	382.56
Survey	4269.00	25.80	332.90	4228.43	80.22	-382.28	132.32	10.03	9.68	6.45	281.85	390.61

Raymond 1-7H Lower Target Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	4301.00	28.60	335.30	4256.89	93.38	-388.66	146.24	9.40	8.75	7.50	283.51	399.72
Survey	4332.00	30.30	338.60	4283.88	107.41	-394.61	160.96	7.58	5.48	10.65	285.23	408.97
Survey	4364.00	31.60	339.50	4311.32	122.78	-400.49	176.99	4.31	4.06	2.81	287.04	418.89
Survey	4396.00	33.30	341.50	4338.33	138.96	-406.22	193.81	6.28	5.31	6.25	288.88	429.33
Survey	4428.00	35.50	344.30	4364.73	156.24	-411.52	211.66	8.47	6.88	8.75	290.79	440.18
Survey	4460.00	37.40	345.80	4390.47	174.61	-416.42	230.53	6.56	5.94	4.69	292.75	451.55
Survey	4492.00	40.00	347.90	4415.44	194.09	-420.96	250.45	9.10	8.12	6.56	294.75	463.55
Survey	4524.00	41.70	348.00	4439.65	214.56	-425.33	271.32	5.32	5.31	0.31	296.77	476.38
Survey	4555.00	43.90	347.50	4462.39	235.14	-429.80	292.33	7.18	7.10	1.61	298.68	489.92
Survey	4587.00	47.40	347.00	4484.76	257.45	-434.85	315.12	10.99	10.94	1.56	300.63	505.35
Survey	4619.00	50.40	347.40	4505.79	280.96	-440.19	339.14	9.42	9.37	1.25	302.55	522.21
Survey	4651.00	51.10	348.80	4526.04	305.21	-445.30	363.87	4.03	2.19	4.38	304.43	539.86
Survey	4682.00	53.20	349.70	4545.06	329.26	-449.86	388.32	7.15	6.77	2.90	306.20	557.48
Survey	4714.00	55.90	349.30	4563.62	354.89	-454.61	414.36	8.50	8.44	1.25	307.98	576.73
Survey	4745.00	58.40	349.30	4580.43	380.48	-459.45	440.37	8.06	8.06	0.00	309.63	596.54
Survey	4777.00	61.30	349.20	4596.50	407.66	-464.61	468.00	9.07	9.06	0.31	311.26	618.10
Survey	4808.00	63.40	349.40	4610.89	434.64	-469.71	495.43	6.80	6.77	0.65	312.78	639.95
Survey	4840.00	65.90	349.70	4624.59	463.08	-474.95	524.32	7.86	7.81	0.94	314.28	663.34
Survey	4871.00	69.30	350.30	4636.40	491.30	-479.92	552.96	11.11	10.97	1.94	315.67	686.80
Survey	4903.00	71.30	352.00	4647.19	521.07	-484.56	583.08	8.00	6.25	5.31	317.08	711.56
Survey	4933.00	71.20	352.10	4656.83	549.20	-488.49	611.48	0.46	0.33	0.33	318.35	735.01
Survey	4965.00	71.40	352.10	4667.09	579.23	-492.65	641.80	0.63	0.63	0.00	319.62	760.40
Survey	4996.00	71.80	351.90	4676.88	608.35	-496.75	671.21	1.43	1.29	0.65	320.77	785.40
Survey	5028.00	71.90	352.00	4686.84	638.46	-501.00	701.62	0.43	0.31	0.31	321.88	811.56
Survey	5060.00	72.20	351.40	4696.70	668.58	-505.39	732.05	2.02	0.94	1.88	322.91	838.10
Survey	5091.00	72.50	351.90	4706.10	697.81	-509.68	761.60	1.82	0.97	1.61	323.86	864.13
Survey	5123.00	71.40	351.60	4716.01	727.92	-514.05	792.02	3.55	3.44	0.94	324.77	891.13
Survey	5154.00	71.40	351.10	4725.90	756.97	-518.46	821.40	1.53	0.00	1.61	325.59	917.50
Survey	5218.00	71.10	350.70	4746.47	816.81	-528.04	881.99	0.75	0.47	0.62	327.12	972.63
Survey	5344.00	70.00	349.60	4788.43	933.87	-548.36	1000.74	1.20	0.87	0.87	329.58	1082.96
Survey	5407.00	70.00	349.10	4809.98	992.05	-559.31	1059.87	0.75	0.00	0.79	330.59	1138.86
Survey	5470.00	69.30	349.30	4831.88	1050.07	-570.37	1118.87	1.15	1.11	0.32	331.49	1194.98
Survey	5533.00	68.80	350.60	4854.41	1108.00	-580.64	1177.66	2.08	0.79	2.06	332.34	1250.92
Survey	5597.00	68.60	350.40	4877.66	1166.81	-590.48	1237.26	0.43	0.31	0.31	333.16	1307.71
Survey	5660.00	67.80	351.10	4901.06	1224.54	-599.88	1295.74	1.64	1.27	1.11	333.90	1363.58
Survey	5723.00	67.50	352.30	4925.01	1282.20	-608.30	1354.01	1.82	0.48	1.90	334.62	1419.18
Survey	5787.00	67.80	352.30	4949.35	1340.86	-616.23	1413.20	0.47	0.47	0.00	335.32	1475.68
Survey	5850.00	68.90	353.40	4972.59	1398.96	-623.51	1471.75	2.38	1.75	1.75	335.98	1531.62
Survey	5913.00	68.90	353.10	4995.27	1457.32	-630.42	1530.51	0.44	0.00	0.48	336.61	1587.83
Survey	5976.00	68.70	352.60	5018.05	1515.60	-637.73	1589.24	0.81	0.32	0.79	337.18	1644.31
Survey	6039.00	67.80	351.80	5041.40	1573.58	-645.67	1647.76	1.85	1.43	1.27	337.69	1700.89
Survey	6108.00	67.80	351.20	5067.47	1636.76	-655.11	1711.64	0.81	0.00	0.87	338.19	1763.00
Survey	6134.00	70.00	352.10	5076.83	1660.76	-658.63	1735.89	9.06	8.46	3.46	338.37	1786.59
Survey	6166.00	72.30	353.50	5087.17	1690.80	-662.43	1766.17	8.29	7.19	4.37	338.61	1815.93
Survey	6194.00	74.30	355.00	5095.21	1717.48	-665.11	1792.96	8.79	7.14	5.36	338.83	1841.77
Survey	6216.00	75.90	356.50	5100.87	1738.68	-666.69	1814.18	9.81	7.27	6.82	339.02	1862.12
Survey	6295.00	81.50	358.20	5116.34	1816.03	-670.26	1891.28	7.40	7.09	2.15	339.74	1935.77
Survey	6327.00	83.90	359.60	5120.41	1847.77	-670.86	1922.80	8.66	7.50	4.38	340.05	1965.78

Raymond 1-7H Lower Target Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	6359.00	85.90	0.80	5123.26	1879.64	-670.75	1954.35	7.28	6.25	3.75	340.36	1995.73
Survey	6453.00	88.90	1.30	5127.52	1973.51	-669.03	2047.08	3.24	3.19	0.53	341.27	2083.83
Survey	6548.00	90.50	0.80	5128.02	2068.49	-667.29	2140.90	1.76	1.68	0.53	342.12	2173.46
Survey	6643.00	89.00	358.60	5128.43	2163.48	-667.79	2235.05	2.80	1.58	2.32	342.85	2264.20
Survey	6738.00	89.80	0.80	5129.43	2258.47	-668.28	2329.19	2.46	0.84	2.32	343.52	2355.27
Survey	6833.00	91.90	1.20	5128.02	2353.44	-666.63	2423.02	2.25	2.21	0.42	344.18	2446.03
Survey	6929.00	91.60	0.90	5125.08	2449.38	-664.87	2517.80	0.44	0.31	0.31	344.81	2538.01
Survey	7023.00	91.70	0.40	5122.38	2543.33	-663.80	2610.70	0.54	0.11	0.53	345.37	2628.53
Survey	7119.00	91.00	359.80	5120.12	2639.30	-663.64	2705.72	0.96	0.73	0.62	345.89	2721.46
Survey	7214.00	89.90	359.10	5119.37	2734.29	-664.55	2799.92	1.37	1.16	0.74	346.34	2813.89
Survey	7309.00	90.20	359.30	5119.29	2829.29	-665.87	2894.19	0.38	0.32	0.21	346.76	2906.59
Survey	7405.00	90.30	359.80	5118.87	2925.28	-666.63	2989.37	0.53	0.10	0.52	347.16	3000.28
Survey	7501.00	90.40	0.40	5118.28	3021.28	-666.46	3084.42	0.63	0.10	0.62	347.56	3093.91
Survey	7596.00	90.70	0.90	5117.37	3116.27	-665.38	3178.35	0.61	0.32	0.53	347.95	3186.51
Survey	7692.00	88.60	1.20	5117.96	3212.25	-663.62	3273.16	2.21	2.19	0.31	348.33	3280.08
Survey	7787.00	88.30	1.10	5120.53	3307.20	-661.71	3366.94	0.33	0.32	0.11	348.69	3372.75
Survey	7882.00	90.90	1.70	5121.19	3402.16	-659.39	3460.66	2.81	2.74	0.63	349.03	3465.47
Survey	7977.00	89.20	0.80	5121.11	3497.13	-657.32	3554.43	2.02	1.79	0.95	349.35	3558.37
Survey	8072.00	90.10	1.00	5121.69	3592.12	-655.83	3648.30	0.97	0.95	0.21	349.65	3651.50
Survey	8167.00	91.10	1.20	5120.70	3687.10	-654.01	3742.12	1.07	1.05	0.21	349.94	3744.65
Survey	8263.00	88.90	0.10	5120.70	3783.09	-652.92	3837.04	2.56	2.29	1.15	350.21	3839.02
Survey	8358.00	89.40	0.50	5122.11	3878.07	-652.42	3931.03	0.67	0.53	0.42	350.45	3932.57
Survey	8452.00	90.80	1.20	5121.95	3972.06	-651.03	4023.93	1.67	1.49	0.74	350.69	4025.06
Survey	8548.00	90.00	0.20	5121.28	4068.05	-649.86	4118.83	1.33	0.83	1.04	350.92	4119.63
Survey	8643.00	90.10	0.10	5121.20	4163.05	-649.61	4212.89	0.15	0.11	0.11	351.13	4213.43
Survey	8737.00	89.60	359.20	5121.45	4257.05	-650.18	4306.06	1.10	0.53	0.96	351.32	4306.41
Survey	8832.00	89.80	359.40	5121.94	4352.04	-651.34	4400.30	0.30	0.21	0.21	351.49	4400.51
Survey	8927.00	89.90	358.90	5122.19	4447.03	-652.75	4494.57	0.54	0.11	0.53	351.65	4494.68
Survey	9021.00	89.90	358.40	5122.35	4541.00	-654.96	4587.94	0.53	0.00	0.53	351.79	4587.99
Survey	9117.00	90.60	358.80	5121.93	4636.96	-657.31	4683.31	0.84	0.73	0.42	351.93	4683.32
Survey	9140.00	91.10	358.90	5121.59	4659.96	-657.77	4706.15	2.22	2.17	0.43	351.97	4706.15
Survey	9190.00	91.10	358.90	5120.63	4709.94	-658.73	4755.78	0.00	0.00	0.00	352.04	4755.78



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

TICKET

TICKET NUMBER: WY-171-1
 TICKET DATE: 11/26/2013

ELECTRONIC

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

YARD: WY WAYNOKA OK
 LEASE: Raymond 3505
 WELL#: 1-7H
 RIG #: Unit 9
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
11/26/2013 DRILLED 30" CONDUCTOR HOLE			
11/26/2013 20" CONDUCTOR PIPE (.250 WALL)			
11/26/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
11/26/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
11/26/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
11/26/2013 16" CONDUCTOR PIPE (.250 WALL)			
11/26/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
11/26/2013 WELDING SERVICES FOR PIPE & LIDS			
11/26/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
11/26/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
11/26/2013 14 YDS OF 10 SACK GROUT			
11/26/2013 8X8 HOLE COVER			
11/26/2013 TAXABLE ITEMS			6,265.00
11/26/2013 BID - TAXABLE ITEMS			12,235.00
		Sub Total:	18,500.00
		Tax HARPER COUNTY (6.15 %):	385.30
		TICKET TOTAL:	<u>\$ 18,885.30</u>

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

Approved Signature _____

AFE Number: DC13378
 Well Name: Raymond 3503 1-7H
 Code: 850-010
 Amount: \$18,885.30
 Co. Man: Dwaine Burt
 Co. Man Sig.: Dwaine Burt
 Notes: _____

JOB SUMMARY

JOB SUMMARY			PROJECT NUMBER SOK 3293	TICKET DATE 12/27/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP QUINCEY LOVEN	
LEASE NAME Raymond 3505	Well No. 1-7H	JOB TYPE Surface	EMPLOYEE NAME	

EMP NAME					
Robert Burris					
Mike Hall					
Cheryl Newton					
MIKE CHALPHANT					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **685**

Date	Called Out	On Location	Job Started	Job Completed
	12/26/2013	12/27/2013	12/27/2013	12/27/2013
Time	22:30	01:00	07:04	09:00

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

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9 5/8"		Surface	691	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	685	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Water	BBL.	10 8.33
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	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/27	8.0	12/27	0.7	Surface
Total	8.0	Total	0.7	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Pressures			
MAX	1,500 PSI	AVG.	225 PSI
Average Rates in BPM		MAX	6 BPM
		AVG	4 BPM
Cement Left in Pipe		Feet	46 FT
Reason		SHOE JOINT	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	210	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	11.11	2.01	12.40
2	140	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00
				0	0.00	0.00

Summary							
Preflush Breakdown	Type:	MAXIMUM	1,500 PSI	Preflush:	BBI	10.00	Type: Fresh Water
		Lost Returns-N	NO/FULL	Load & Bkdn:	Gal - BBI	N/A	Pad: Bbl -Gal N/A
		Actual TOC	SURFACE	Excess /Return	BBI	25	Calc. Disp Bbl 50
Average	Bump Plug PSI:	900		Calc. TOC:		SURFACE	Actual Disp. 50.00
5 Min	10 Min	15 Min		Final Circ.	PSI:	300	Disp: Bbl
				Cement Slurry:	BBI	108.0	
				Total Volume	BBI	168.00	

CUSTOMER REPRESENTATIVE *Quincey Loven* SIGNATURE

JOB SUMMARY

JOB SUMMARY			PROJECT NUMBER SOK 3319	TICKET DATE 01/12/14
COUNTY Harper	STATE Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Dwayne Burt	
LEASE NAME Raymond 3505	Well No. 1-7H	JOB TYPE Intermediate	EMPLOYEE NAME NATHAN COTTA	

EMP NAME	John Hall	0					
	Joseph Klemm						
	Roy Morris						
	David Thomas						

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **130** Pressure _____
 Retainer Depth _____ Total Depth **6,264'**

Date	Called Out 1.12.14	On Location 1.12.14	Job Started 1.12.14	Job Completed 1.12.14
Time	500	900	1437	1630

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 7/8"		Surface	0	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Gel-Bent BBL	30	10.00
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	
Perpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1.12.14	7.5	1.12.14	2.0	Intermediate
Total	7.5	Total	2.0	

MAX	3500 PSI	AVG.	400
Average Rates in BPM			
MAX	6.5 BPM	AVG.	5
Cement Left in Pipe			
Feet	89	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	280	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.1% C-37 - 0.2% C-20 - 0.4% C-41P	6.93	1.43	13.60
2	200	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	30.00	Type:	MAXIMUM	3500 PSI	Preflush: BBI
Breakdown	N/A	Pad:Bbl -Gal	Lost Returns-ft	NO/FULL	Load & Bkdn: Gal - BBI
	N/A	Calc. Disp Bbl	Actual TOC	2,793'	Excess /Return BBI
Average	236.00	Actual Disp.	Bump Plug PSI:	1,500	Calc. TOC:
ISIF	236.00	Disp:Bbl	10 Min	15 Min	Final Circ. PSI:
					Cement Slurry BBI
					Total Volume BBI
					379.69

CUSTOMER REPRESENTATIVE *Dwayne Burt* SIGNATURE