



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1072405
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: _____

1072405

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> _____
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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	Ferris 1-5H
Doc ID	1072405

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	11258-11260; 11164-11166; 11069-11071; 10975-10977; 10800-10882	4322bbls of Slickwater, 36 bbls 15% NeFe HCl, 40/70 sd, 4358 TLTR	
5	10408-10788	4268 bbls of Slickwater, 35 bbls 15% NeFe HCl, 40/70 sd, 8915 TLTR	
5	9936-10315	4289 bbls of Slickwater, 35 bbls 15% NeFe HCl, 40/70 sd, 13470 TLTR	
5	9463-9843	4390 bbls of Slickwater, 36 bbls 15% NeFe HCl, 40/70 sd, 18157 TLTR	
5	8991-9371	4279 bbls of Slickwater, 36 bbls 15% NeFe HCl, 40/70 sd, 22954 TLTR	
5	8519-8898	4259 bbls of Slickwater, 35 bbls 15% NeFe HCl, 40/70 sd, 27423 TLTR	
5	8046-8246	4248 bbls of Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 31855 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
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Doc ID	1072405

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	7574-7954	4322 bbls of Slickwater, 35 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 36367 TLTR	
5	7102-7481	4500 bbls of Slickwater, 34 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 41036 TLTR	
5	6629-7009	4271 bbls of Slickwater, 34 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 45448 TLTR	
5	6157-6537	4332 bbls of Slickwater, 35 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 49903 TLTR	
5	5685-6064	4302 bbls of Slickwater, 39 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 54307 TLTR	
5	5212-5592	4237 bbls of Slickwater, 35 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 58578 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ferris 1-5H
Doc ID	1072405

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	4740-5120	4307 bbls of Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 62941 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ferris 1-5H
Doc ID	1072405

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	24	20	75	53	10 sack grout	10	none
Surface	12.25	9.63	36	670	Halliburton Light Standard/ Standard	430	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	9.63	7	29	4929	50/50 Poz Standard	200	04% Halad, 2 lbm Kol-Seal, 2% Bentonite
Production Liner	7.63	4.5	11.6	9999	50/50 Poz Standard	630	.3% CFR-3, w/o Defoamer, 10 lbm Kol-Seal, 2% Bentonite, .25% Poly-E-Flake, .4% Halad

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name		Target Direction		Slot		N / S		E / W		Hole Size		Calculation by		Date	
Ferris 1-5H		179.17		Coordinate										2/28/12	
Job Number		Type of Survey		Tie-in Point								Directional Co.			
0															
Measured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate		Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft					
						N + / S -	E + / W -								
0	0	0	0	0.00	0.00						<< TIE-IN POINT >>				
15	0	179	15	15.00	0.00	0.00	0.00	0.00	0.00	0.00	1,194.47				
692	0	189	677	691.99	2.56	-2.57	-0.39	0.06	0.06	1.40					
875	0	213	183	874.99	3.64	-3.65	-0.75	0.12	-0.08	13.55					
1150	0	145	275	1,149.99	4.91	-4.92	-0.66	0.13	0.02	-24.83					
1618	1	190	468	1,617.97	8.58	-8.59	-0.28	0.10	0.06	9.55					
2097	1	273	479	2,096.94	10.90	-10.96	-4.06	0.20	0.04	17.38					
2577	1	227	480	2,576.90	12.90	-13.04	-9.87	0.13	0.00	-9.53					
3057	1	274	480	3,056.84	14.70	-14.95	-17.18	0.18	0.08	9.76					
3535	1	292	478	3,534.78	13.29	-13.64	-24.37	0.13	-0.12	3.71					
3598	2	201	63	3,597.76	14.36	-14.73	-25.14	3.89	2.78	-144.92					
3630	5	191	32	3,629.70	16.26	-16.63	-25.62	7.49	7.28	-30.41					
3662	8	188	32	3,661.51	19.61	-20.00	-26.16	8.96	8.91	-9.47					
3694	10	186	32	3,693.13	24.46	-24.85	-26.75	7.89	7.84	-5.34					
3726	12	181	32	3,724.53	30.64	-31.04	-27.13	7.64	7.09	-14.69					
3759	14	178	33	3,756.68	38.05	-38.44	-27.11	4.51	3.94	-9.82					
3791	16	175	32	3,787.63	46.16	-46.55	-26.58	7.48	6.88	-11.63					
3823	18	175	32	3,818.25	55.44	-55.82	-25.74	6.81	6.78	1.97					
3855	20	176	32	3,848.46	65.96	-66.33	-24.93	7.76	7.72	2.53					
3887	23	176	32	3,878.18	77.79	-78.15	-24.08	8.06	8.06	-0.47					
3919	26	175	32	3,907.29	91.05	-91.40	-23.00	9.45	9.38	-2.84					
3951	29	176	32	3,935.62	105.90	-106.23	-21.88	10.58	10.38	4.47					
3983	32	176	32	3,963.20	122.10	-122.41	-20.80	6.89	6.88	-1.00					
4015	33	174	32	3,990.28	139.09	-139.39	-19.35	4.83	3.88	-5.41					
4047	34	177	32	4,016.96	156.73	-157.01	-18.05	6.75	4.56	9.00					
4078	37	176	31	4,042.16	174.76	-175.03	-17.03	8.76	8.65	-2.45					
4110	39	177	32	4,067.47	194.32	-194.57	-15.83	4.94	4.94	0.44					
4142	39	178	32	4,092.39	214.39	-214.62	-14.84	3.23	2.13	3.87					
4174	41	179	32	4,116.93	234.92	-235.15	-14.19	4.82	4.56	2.44					
4206	41	177	32	4,141.05	255.93	-256.16	-13.40	3.90	2.50	-4.56					
4237	45	179	31	4,163.68	277.12	-277.33	-12.75	11.83	10.77	7.16					
4270	47	180	33	4,186.57	300.88	-301.09	-12.56	7.69	7.64	1.24					
4302	49	179	32	4,207.92	324.72	-324.93	-12.38	5.29	5.22	-1.13					
4347	51	179	45	4,236.97	359.08	-359.29	-12.00	3.56	3.56	-0.02					
4398	51	180	51	4,269.37	398.46	-398.67	-11.63	0.29	-0.14	0.33					
4443	50	178	45	4,298.19	433.02	-433.23	-11.01	2.45	-1.51	-2.51					
4494	49	179	51	4,331.48	471.66	-471.85	-10.04	2.36	-2.31	0.61					
4526	50	178	32	4,352.38	495.89	-496.08	-9.43	3.69	3.59	-1.09					
4558	53	179	32	4,372.38	520.86	-521.04	-8.80	9.35	9.31	1.12					
4591	55	180	33	4,391.87	547.49	-547.67	-8.53	7.02	6.18	4.12					
4623	58	180	32	4,409.57	574.14	-574.32	-8.57	9.81	9.81	-0.03					
4654	62	180	31	4,425.19	600.91	-601.10	-8.62	11.42	11.42	0.23					
4686	64	181	32	4,439.86	629.34	-629.53	-8.96	8.16	7.59	3.37					
4718	67	184	32	4,453.02	658.45	-658.67	-10.18	12.81	11.06	7.09					
4750	71	181	32	4,464.30	688.34	-688.58	-11.43	13.31	11.69	-6.81					
4782	74	181	32	4,473.79	718.88	-719.13	-11.99	9.65	9.53	-1.59					
4814	78	179	32	4,481.44	749.94	-750.20	-11.96	13.00	11.91	-5.38					
4846	82	179	32	4,486.92	781.46	-781.71	-11.37	12.86	12.81	-1.09					
4877	85	180	31	4,490.31	812.27	-812.52	-10.93	10.41	10.00	2.90					
4909	87	179	32	4,492.58	844.19	-844.43	-10.44	5.17	4.03	-3.25					
4967	90	177	58	4,494.35	902.14	-902.35	-8.23	6.41	5.81	-2.71					
5028	90	177	61	4,494.53	963.09	-963.26	-4.87	0.72	-0.36	-0.62					
5089	90	177	61	4,494.90	1,024.03	-1,024.16	-1.37	0.30	-0.21	0.21					
5150	90	176	61	4,495.31	1,084.94	-1,085.02	2.71	2.03	0.07	-2.03					
5211	90	177	61	4,495.74	1,145.85	-1,145.87	6.95	1.58	-0.11	1.57					
5302	89	175	91	4,496.54	1,236.70	-1,236.63	13.44	1.30	-0.13	-1.30					
5394	90	175	92	4,497.16	1,328.47	-1,328.30	21.24	0.55	0.37	-0.40					
5486	89	176	92	4,498.25	1,420.28	-1,420.02	28.21	1.82	-0.99	1.53					

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name		Target Direction	Slot	N / S	E / W	Hole Size	Calculation by	Date			
Ferris 1-5H		179.17	Coordinate					2/28/12			
Job Number		Type of Survey	Tie-in Point				Directional Co.				
0											
Measured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate		Dogleg Severity	Build Up %/100 ft	Walk %/100 ft	
						N + / S -	E + / W -				
0	0	0	0	0.00	0.00						
<< TIE-IN POINT >>											
5579	89	175	93	4,500.22	1,513.10	-1,512.75	35.07	1.28	-0.18	-1.27	
5671	89	177	92	4,502.19	1,604.95	-1,604.52	41.13	2.27	0.15	2.26	
5763	88	175	92	4,504.36	1,696.80	-1,696.30	47.06	2.12	-0.41	-2.08	
5854	88	178	91	4,507.22	1,787.66	-1,787.08	52.56	2.65	-0.57	2.59	
5946	89	179	92	4,509.65	1,879.61	-1,879.02	54.82	2.26	1.20	1.92	
6036	90	178	90	4,510.62	1,969.61	-1,968.99	56.61	1.58	0.76	-1.39	
6128	90	179	92	4,510.89	2,061.60	-2,060.95	59.19	0.43	0.24	0.36	
6223	90	179	95	4,510.60	2,156.59	-2,155.94	61.04	0.84	0.49	0.68	
6319	90	179	96	4,509.90	2,252.59	-2,251.92	62.50	0.17	0.02	-0.17	
6415	91	180	96	4,508.36	2,348.57	-2,347.90	62.92	1.77	1.02	1.45	
6511	91	178	96	4,506.39	2,444.54	-2,443.87	64.37	2.76	-0.49	-2.72	
6606	91	177	95	4,504.75	2,539.49	-2,538.77	68.27	0.39	0.11	-0.38	
6702	88	180	96	4,505.79	2,635.46	-2,634.72	70.31	4.41	-3.46	2.73	
6798	87	179	96	4,510.21	2,731.36	-2,730.62	70.76	1.05	-0.75	-0.74	
6895	88	179	97	4,514.84	2,828.25	-2,827.50	71.92	0.57	0.55	-0.14	
6991	87	181	96	4,519.68	2,924.10	-2,923.37	71.42	2.38	-0.89	2.21	
7087	89	179	96	4,523.27	3,020.01	-3,019.29	71.44	3.77	2.46	-2.85	
7184	91	180	97	4,523.63	3,117.00	-3,116.28	72.34	2.33	1.54	1.75	
7280	91	179	96	4,522.30	3,212.98	-3,212.26	73.01	1.60	0.55	-1.50	
7376	91	179	96	4,520.40	3,308.96	-3,308.22	74.84	0.16	0.16	0.05	
7473	91	179	97	4,518.46	3,405.94	-3,405.19	76.39	0.35	-0.13	0.32	
7568	90	179	95	4,517.53	3,500.94	-3,500.18	77.72	1.10	-1.09	-0.08	
7664	91	179	96	4,517.07	3,596.94	-3,596.16	79.41	0.60	0.49	-0.35	
7760	89	177	96	4,517.21	3,692.90	-3,692.08	83.23	2.61	-1.24	-2.29	
7855	88	177	95	4,519.58	3,787.80	-3,786.91	88.20	1.76	-1.57	0.80	
7951	90	176	96	4,521.73	3,883.69	-3,882.75	93.33	2.06	1.84	-0.93	
8018	90	178	67	4,522.17	3,950.65	-3,949.66	96.66	1.97	0.07	1.97	
8110	89	179	92	4,523.26	4,042.63	-4,041.61	99.61	1.05	-0.72	0.76	
8201	89	182	91	4,524.99	4,133.58	-4,132.58	99.30	3.71	-0.18	3.70	
8293	91	181	92	4,525.50	4,225.52	-4,224.55	97.32	2.33	1.86	-1.40	
8385	91	180	92	4,524.46	4,317.50	-4,316.54	97.10	1.00	0.23	-0.98	
8478	90	180	93	4,524.01	4,410.49	-4,409.54	97.64	1.01	-1.01	-0.05	
8569	90	182	91	4,523.93	4,501.46	-4,500.53	96.60	2.29	0.53	2.23	
8661	90	182	92	4,523.59	4,593.37	-4,592.49	93.89	0.18	-0.17	0.04	
8753	89	180	92	4,523.94	4,685.33	-4,684.47	92.76	2.32	-0.75	-2.20	
8844	89	182	91	4,525.01	4,776.29	-4,775.46	91.80	2.03	-0.25	2.01	
8935	91	182	91	4,524.88	4,867.20	-4,866.42	89.24	1.92	1.91	0.21	
9026	92	183	91	4,522.53	4,958.02	-4,957.30	85.34	2.01	1.16	1.64	
9119	92	182	93	4,519.35	5,050.82	-5,050.16	81.52	1.81	-0.11	-1.81	
9222	91	180	103	4,516.94	5,153.75	-5,153.12	80.28	1.96	-1.11	-1.62	
9302	91	181	80	4,515.92	5,233.72	-5,233.11	79.64	1.53	-0.09	1.53	
9405	90	179	103	4,515.14	5,336.70	-5,336.10	80.00	2.52	-0.52	-2.47	
9492	90	176	87	4,515.35	5,423.66	-5,423.01	83.86	2.55	-0.68	-2.46	
9588	89	179	96	4,516.55	5,519.60	-5,518.90	88.09	2.34	-0.60	2.26	
9683	89	179	95	4,518.14	5,614.58	-5,613.87	89.98	0.64	0.12	0.63	
9778	89	178	95	4,519.85	5,709.56	-5,708.81	92.74	1.77	-0.28	-1.75	
9873	88	180	95	4,522.35	5,804.51	-5,803.75	94.51	3.10	-0.71	3.02	
9969	89	179	96	4,525.10	5,900.46	-5,899.71	94.74	1.14	0.41	-1.06	
10064	84	179	95	4,531.42	5,995.23	-5,994.46	96.28	5.00	-4.97	-0.59	
10160	85	179	96	4,540.38	6,090.80	-6,090.02	97.87	1.77	1.69	0.53	
10254	91	182	94	4,542.90	6,184.69	-6,183.94	97.09	6.88	6.41	2.50	
10349	91	182	95	4,540.99	6,279.59	-6,278.88	94.46	0.70	-0.68	-0.13	
10445	91	182	96	4,539.67	6,375.50	-6,374.84	91.88	0.10	-0.09	0.02	
10540	92	181	95	4,537.51	6,470.39	-6,469.78	89.39	1.18	1.18	-0.11	
10636	92	182	96	4,534.33	6,566.25	-6,565.69	86.66	0.38	0.08	0.38	
10732	91	182	96	4,531.63	6,662.10	-6,661.59	83.42	0.74	-0.69	0.26	
10828	90	181	96	4,530.90	6,758.02	-6,757.56	81.18	2.30	-1.75	-1.50	

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 28, 2012

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

Re: ACO1
API 15-077-21790-01-00
Ferris 1-5H
NW/4 Sec.05-33S-06W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tiffany Golay



INVOICE

DATE	INVOICE #
12/30/2011	2791

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

REMIT TO
EDGE SERVICES, INC. BILLING DEPARTMENT PO BOX 14201 OKLAHOMA CITY, OK 73113

STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
12/28/2011	2362	UNIT 310	FERRIS I-5H	Due on rec...

Description	Amount
DRILLED 100' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE & SET 6' x 6' TINHORN CELLAR FURNISHED 100' OF 20" CONDUCTOR PIPE FURNISHED WELDER AND MATERIALS FURNISHED 10 YARDS OF GRADE A 10 SACK GROUT DRILL MOUSE HOLES ROCK TIME 12 HOURS @ \$125.00 PER HOUR FURNISHED 90' OF 16" CONDUCTOR PIPE FOR MOUSE HOLE/TOP DRIVE JOB TOTAL BID 5	25,150.00
TOTAL	\$25,150.00

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JAN 13 2012

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2900151	Quote #:	Sales Order #: 9180255
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Edwards, Tripp	
Well Name: Ferris	Well #: 1-5H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 5 Township 33S Range 6W			
Contractor: Unit Drilling *		Rig/Platform Name/Num: 310	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: WALTON, SCOTTY	MBU ID Emp #: 478229

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
TURNER, DANIEL J	14	461812	WALTON, SCOTTY Dwayne	14	478229	Lyle, Britian David, Hernandez	14	?????? ??????

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-5-12	9	0	1-6-12	4	1			
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name:	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	05 - Jan - 2012	08:00 CST
Form Type	On Location	05 - Jan - 2012	14:45 CST
Job depth MD 900. ft	Job Started	06 - Jan - 2012	02:37 CST
Water Depth	Job Completed	06 - Jan - 2012	03:28 CST
Perforation Depth (MD) From To	Departed Loc	06 - Jan - 2012	04:45 CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Open Hole Lower				12.25				536.	700.		
Surface Open Hole Upper				12.25				80.	536.		
Preset Conductor	Unknown		20.	19.124	94.				80.		
Surface Casing	Unknown		9.625	8.921	36.		J-55		700.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

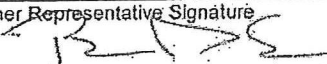
Fluid Data

Stage/Plug #: 1

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Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix. Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Halliburton Light Standard	EXTENDACEM (TM) SYSTEM (452981)	330.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.676 Gal	FRESH WATER							
2	Standard	SWIFTCEM (TM) SYSTEM (452990)	100.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns	0	Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	30	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					

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JAN 13 2012

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2900151	Quote #:	Sales Order #: 9195191
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Edwards, Tripp	
Well Name: Ferris	Well #: 1-5H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 5 Township 33S Range 6W			
Contractor: Unit Drilling *		Rig/Platform Name/Num: 310	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: LEACH, CLIFFORD	MBU ID Emp #: 475738

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GILLIAM, KEVIN S	14	493325	LEACH, CLIFFORD Alfred	14	475738	TAVAI, MASON T	14	423521

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-11-12	14							
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out	10 - Jan - 2012 19:30 CST
Form Type	BHST	On Location	11 - Jan - 2012 02:00 CST
Job depth MD 4916. ft	Job Depth TVD 4733. ft	Job Started	11 - Jan - 2012 14:50 CST
Water Depth	Wk Ht Above Floor	Job Completed	11 - Jan - 2012 15:45 CST
Perforation Depth (MD) From	To	Departed Loc	11 - Jan - 2012 17:00 CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Intermediate Open Hole				8.75				700.	4916.	700.	4528.
Intermediate Casing 1	Unknown		7.	6.184	29.	LTC	N-80	.	3604.	.	3604.
Intermediate Casing 2	Unknown		7.	6.184	29.	LTC	P-110	3604.	4916.	3889.	4733.
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	700.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container		1	
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

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JAN 17 2012

Cementing Job Summary

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		10.00	bbl	8.33	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	200.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	180	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	180	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	4	Displacement	6.5	Avg. Job	5		
Cement Left In Pipe	Amount	86.86 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

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JAN 17 2012

REGULATORY DEPT
SANDRIDGE ENERGY

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JAN 27 2012

ATTENTION: IMPORTANT REGULATORY DOCUMENT
retain for your records and file with
appropriate agency.

HALLIBURTON REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2900151	Quote #:	Sales Order #: 9215605
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Edwards, Tripp	
Well Name: Ferris	Well #: 1-5H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 5 Township 33S Range 6W			
Contractor: Unit Drilling *		Rig/Platform Name/Num: Unit 310	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: UNDERWOOD, BILLY MBU ID Emp #: 159068	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRITAIN, LYLE	7	460473	MILLS, GREGG Owen	6	451627	NEAL, MICHAEL Edward	6	483780
UNDERWOOD, BILLY Dale	7	159068						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10724645	60 mile	10784068	60 mile	10825967	60 mile	11288856	60 mile
11706678	60 mile	11715803	60 mile	11748319	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-20-12	7	1.5						
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	20 - Jan - 2012	13:00	CST
Form Type	BHST		Job Started	20 - Jan - 2012	17:30	CST
Job depth MD	11405. ft		Job Completed	20 - Jan - 2012	19:00	CST
Water Depth	Wk Ht Above Floor		Departed Loc	20 - Jan - 2012	20:00	CST
Perforation Depth (MD)	From	To				

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Liner Open Hole				6.125				4916.	11405.	4528.	4528.
Intermediate Casing 1	Unknown		7.	6.184	29.	LTC	N-80		3604.		3604.
Intermediate Casing 2	Unknown		7.	6.184	29.	LTC	P-110	3604.	4916.	3889.	4733.
Production Liner	Unknown		4.5	4.	11.6		N-80	4519.	11405.	4519.	4528.
Drill Pipe	Unknown		4.	3.34	14.	Unknown			4519.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug Retainer					Bottom Plug			
Float Collar										SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%

Cementing Job Summary

Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty			
Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Caustic Water Spacer		10.00	bbl	8.5	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	630.0	sacks	13.6	1.59	6.91		6.91
	0.3 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	10 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	0.25 %	POLY-E-FLAKE (101216940)							
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	6.91 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	145	Shut In: Instant		Lost Returns	Cement Slurry		178	Pad	
Top Of Cement		5 Min		Cement Returns	Actual Displacement		142	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	330
Rates									
Circulating	4	Mixing		5	Displacement	5	Avg. Job		
Cement Left In Pipe	Amount	80 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature <i>Barroll Rollins</i>					

Section 31
32S 6W

Section 32
32S 6W

Section 33
32S 6W

FERRIS 1-5H



Miss Entry: 4718

-98.000242 37.207995

Top Perf: 5089'

-98.000218 37.206991

Section 4
33S 6W

Section 6
33S 6W

Section 5
33S 6W

Section 7
33S 6W

Section 8
33S 6W

Bottom Perf: 10828'

-98.00004 37.191244

BHL: 11305'

-98.000099 37.189937

2227' FNL

702' FWL



● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

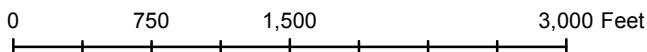
Actual Bottom-Hole Location of Ferris 1-5H
Harper County, Kansas

T&R: 33S 6W

Section: 8, 702' FWL & 2227' FNL

Long/Lat:-98.000099 37.189937

1 in = 1,042 ft



Draftsman:

Aaron Birk

Draft Date: 4/17/2012

Drawing Name/Number:

Addendum_Ferris_1-5H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Logo

Attachment successfully uploaded.

Back to Well Completion

Ferris 1-5H (1072405)

Actions	Attachments	
View PDF	Directional Survey	View PDF
Delete	OPERATOR	Delete
Edit	Two Year Confidentiality	View PDF
Certify & Submit	OPERATOR	Delete
Request Confidentiality	Cementing Reports	View PDF
	OPERATOR	Delete
	As Drilled Plat	View PDF
	OPERATOR	Delete
		<input type="button" value="Add Attachment"/>

Remarks	
Remarks to KCC	
	<input type="button" value="Add Remark"/>

Remarks	
Tiffany Golay 04/17/012 08:42 am	Soil Farming done by Magnet at 24-29N-10W in Alfalfa Co, OK
Tiffany Golay 02/28/012 08:28 am	Cement Data: Conductor weight = 106.5, Edge Services used 10 yards of 10 sack grout (does not track sacks); Production Liner was set at a depth of 11,360'
Tiffany Golay 01/20/012 02:27 pm	TVD 4552'
Tiffany Golay 01/20/012 02:24 pm	TMD 11,360'