



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1138685
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: _____



1138685

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

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

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

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

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

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <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	Pepper 3419 2-4H
Doc ID	1138685

All Electric Logs Run

Mud Log
Boresight
Porosity
Resistivity
Prizm

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Pepper 3419 2-4H
Doc ID	1138685

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9986-10308	4243 bbls water, 36 bbls acid, 75M lbs sd, 4128 TLTR	
5	9586-9898	4237 bbls water, 36 bbls acid, 75M lbs sd, 8586 TLTR	
5	9228-9530	4231 bbls water, 36 bbls acid, 75M lbs sd, 13102 TLTR	
5	8804-9136	4225 bbls water, 36 bbls acid, 75M lbs sd, 17501 TLTR	
5	8294-8630	4217 bbls water, 36 bbls acid, 75M lbs sd, 21996 TLTR	
5	7792-8097	4209 bbls water, 36 bbls acid, 75M lbs sd, 26535 TLTR	
5	7426-7726	4203 bbls water, 36 bbls acid, 75M lbs sd, 30918 TLTR	
5	6903-7302	4195 bbls water, 36 bbls acid, 75M lbs sd, 35119 TLTR	
5	6435-6720	4188 bbls water, 36 bbls acid, 75M lbs sd, 39215 TLTR	
5	6132-6378	4183 bbls water, 36 bbls acid, 75M lbs sd, 43347 TLTR	

Form	ACO1 - Well Completion
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Well Name	Pepper 3419 2-4H
Doc ID	1138685

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5858-6081	4179 bbls water, 36 bbls acid, 75M lbs sd, 47730 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Pepper 3419 2-4H
Doc ID	1138685

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	120	Edge Services Grade A Cement	17	none
Surface	12.25	9.63	36	960	Halliburton Extendacem and Swiftcem Systems	600	3% Calcium Chloride, .25 lbm Poly-E-Flake/ 2% Calcium Chloride, .125 lbm Poly-E-Flake
Intermediate	8.75	7	26	6131	Halliburton Econocem and Halcem Systems	270	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Production Liner	6.13	4.5	11.6	10454	Halliburton Econocem System	510	5lbm Kol-Seal, .25% SA-1015, .2% CFR-3

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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

May 09, 2013

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

Re: ACO1
API 15-033-21709-01-00
Pepper 3419 2-4H
SE/4 Sec.33-33S-19W
Comanche 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

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
									-250	5505	3760	1505
SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-250	5505	3760	1505
BHL	10454	90.50	180.70	5526.48	-5169.90	-513.05	5195.23	0.00	4921	334	3264	2005
Miss Entry	5628	58.04	214.81	5418.00	-401.08	-350.56	432.22	7.23	152	5103	3411	1854
Top Perf	5858	71.99	199.11	5515.69	-585.23	-444.91	624.42	9.93	337	4919	3317	1948
Bottom Perf	10308	90.37	180.83	5527.62	-5023.92	-511.14	5049.71	0.23	4775	480	3265	2003

Survey Points	NW Corner XY Coord	X	Y	Surface XY	X	Y	m					
							North Line slope	-0.0032289	East Line slope	0.0024757	South Line slope	-0.0009489
	SW Corner XY Coord	1738343	161096		1742121	166597						
	NE Corner XY Coord	1743625	166342									
	SE Corner XY Coord	1743612	161091									

	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
									-250	5505	3760	1505
	0	0.0	0	0	0	0	0	0	-250	5505	3760	1505
	1060	0.30	197.10	1060.00	-3	-1	2.72	0.03	-247	5502	3759	1505
	1520	1.50	208.90	1519.93	-9	-4	9.42	0.26	-241	5496	3756	1509
	1995	1.40	202.80	1994.78	-20	-9	20.66	0.04	-230	5485	3751	1514
	2470	0.40	319.00	2469.73	-24	-13	25.05	0.34	-226	5481	3748	1517
	2944	0.60	4.10	2943.72	-20	-14	21.43	0.09	-230	5484	3747	1518
	3417	0.80	52.50	3416.68	-16	-11	16.70	0.13	-234	5489	3750	1515
	3888	0.40	19.00	3887.66	-12	-8	12.87	0.11	-238	5492	3753	1512
	4362	0.50	41.30	4361.65	-9	-6	9.58	0.04	-241	5495	3755	1510
	4554	0.40	342.70	4553.64	-8	-5	8.29	0.23	-242	5497	3755	1510
	4582	0.40	332.80	4581.64	-8	-5	8.11	0.25	-242	5497	3755	1510
	4614	0.70	248.40	4613.64	-8	-6	8.11	2.41	-243	5497	3755	1510
	4646	2.20	223.20	4645.63	-8	-6	8.68	4.98	-242	5496	3754	1511
	4678	3.60	227.60	4677.59	-9	-7	9.91	4.43	-241	5495	3753	1512
	4709	4.90	225.50	4708.50	-11	-9	11.65	4.22	-239	5494	3751	1514
	4741	6.50	225.30	4740.34	-13	-11	14.08	5.00	-237	5492	3749	1516
	4772	8.30	225.90	4771.08	-16	-14	17.13	5.81	-234	5489	3746	1519
	4804	9.80	226.40	4802.68	-19	-18	20.94	4.69	-231	5485	3742	1522
	4836	11.50	226.70	4834.13	-23	-22	25.39	5.32	-227	5481	3738	1527
	4867	14.30	227.30	4864.34	-28	-27	30.56	9.04	-222	5476	3733	1532
	4899	16.70	228.10	4895.18	-34	-34	36.88	7.53	-216	5471	3727	1538
	4930	19.20	228.30	4924.67	-40	-41	43.89	8.07	-210	5464	3720	1545
	4962	22.30	228.40	4954.59	-48	-49	52.18	9.69	-202	5457	3711	1554
	4994	25.20	230.20	4983.87	-56	-59	61.46	9.34	-194	5448	3701	1563
	5025	28.20	229.60	5011.57	-65	-70	71.39	9.72	-185	5439	3691	1574
	5057	31.30	227.10	5039.35	-76	-81	83.02	10.43	-174	5429	3679	1586
	5088	34.50	224.80	5065.37	-87	-94	95.82	11.08	-162	5417	3667	1598
	5120	37.90	221.80	5091.19	-101	-106	110.74	11.98	-149	5403	3654	1611
	5151	41.20	219.30	5115.09	-116	-119	126.88	11.82	-134	5388	3641	1624
	5183	43.50	218.50	5138.74	-133	-133	144.85	7.38	-117	5371	3628	1637
	5215	45.10	218.00	5161.64	-151	-147	163.62	5.12	-99	5354	3614	1651
	5246	46.60	218.70	5183.24	-168	-160	182.28	5.10	-82	5336	3600	1665
	5278	48.80	219.50	5204.77	-186	-175	201.97	7.12	-63	5318	3585	1680
	5310	50.50	219.90	5225.49	-205	-191	222.11	5.40	-44	5299	3570	1695
Top of Tangent @ 5303'	5341	51.00	220.30	5245.10	-223	-206	241.85	1.90	-26	5281	3555	1710
	5373	51.60	219.90	5265.11	-243	-222	262.37	2.11	-7	5262	3539	1727
	5404	51.60	220.30	5284.37	-261	-238	282.34	1.01	12	5243	3523	1742
	5436	51.50	220.20	5304.26	-280	-254	302.91	0.40	31	5224	3507	1758
Btm of Tangent @ 5542'	5468	51.60	220.50	5324.16	-299	-271	323.45	0.80	50	5205	3491	1774
	5500	51.80	220.30	5344.00	-318	-287	344.01	0.79	69	5186	3474	1791
	5532	52.80	218.80	5363.57	-338	-303	364.96	4.85	89	5166	3458	1807
	5563	54.60	218.00	5381.92	-358	-318	385.91	6.17	108	5147	3443	1822
	5594	56.10	216.60	5399.54	-378	-334	407.56	6.10	129	5126	3428	1838
	5626	57.90	214.90	5416.97	-400	-350	430.72	7.18	151	5105	3412	1853
	5658	60.20	213.50	5433.43	-422	-365	454.76	8.11	173	5082	3397	1869
	5689	62.10	211.30	5448.39	-445	-380	478.95	8.73	196	5059	3382	1883
	5721	63.60	209.30	5462.99	-470	-394	504.78	7.27	221	5034	3368	1897
	5752	65.30	206.80	5476.36	-495	-407	530.58	9.11	246	5010	3355	1910
	5784	66.30	204.20	5489.48	-521	-420	557.99	8.04	272	4983	3342	1923
	5815	68.60	201.90	5501.37	-547	-431	585.27	10.10	298	4957	3331	1934
	5847	71.30	199.90	5512.34	-575	-442	614.23	10.28	327	4929	3321	1945
	5879	73.30	197.60	5522.07	-604	-451	643.89	9.27	355	4900	3311	1954
	5910	74.90	195.50	5530.56	-633	-460	673.13	8.31	384	4871	3302	1963
	5942	76.40	192.80	5538.50	-663	-467	703.77	9.42	414	4841	3295	1970
	5974	78.80	190.50	5545.37	-693	-474	734.83	10.27	445	4811	3289	1977
	6006	81.70	188.00	5550.79	-725	-479	766.29	11.89	476	4780	3284	1982
	6037	84.30	186.00	5554.57	-755	-483	797.05	10.55	506	4749	3280	1985
	6069	86.20	183.70	5557.22	-787	-485	828.93	9.30	538	4717	3278	1988
	6110	87.60	182.90	5559.43	-828	-488	869.84	3.93	579	4676	3275	1990
	6174	88.90	182.60	5561.39	-892	-491	933.74	2.08	643	4613	3272	1993
	6205	88.80	182.90	5562.01	-923	-492	964.70	1.02	674	4582	3271	1994
	6235	88.50	182.20	5562.72	-953	-493	994.66	2.54	704	4552	3270	1996
	6266	88.10	182.10	5563.64	-983	-495	1025.60	1.33	735	4521	3269	1997
	6296	88.30	180.70	5564.58	-1013	-495	1055.51	4.71	765	4491	3268	1997
	6326	88.20	180.30	5565.49	-1043	-496	1085.38	1.37	795	4461	3268	1998

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
6357	89.50	179.80	5566.12	-1074	-496	1116.24	4.49	826	4430	3268	1998
6387	90.10	179.00	5566.22	-1104	-495	1146.08	3.33	856	4400	3268	1997
6417	89.80	179.30	5566.25	-1134	-495	1175.90	1.41	886	4370	3269	1997
6447	89.70	178.90	5566.38	-1164	-494	1205.72	1.37	916	4340	3270	1996
6478	90.40	179.20	5566.35	-1195	-494	1236.53	2.46	947	4309	3270	1996
6508	91.40	179.40	5565.88	-1225	-494	1266.36	3.40	977	4279	3271	1995
6539	91.40	179.30	5565.12	-1256	-493	1297.18	0.32	1008	4248	3271	1995
6570	91.80	179.00	5564.26	-1287	-493	1327.98	1.61	1039	4217	3272	1994
6600	92.00	179.10	5563.26	-1317	-492	1357.78	0.75	1069	4187	3272	1994
6631	92.40	179.40	5562.07	-1348	-492	1388.58	1.61	1100	4156	3273	1993
6662	91.60	179.40	5560.99	-1379	-492	1419.39	2.58	1131	4125	3273	1993
6692	91.60	179.80	5560.15	-1409	-491	1449.23	1.33	1161	4095	3273	1992
6723	91.70	179.90	5559.26	-1440	-491	1480.07	0.46	1192	4064	3274	1992
6753	91.90	180.00	5558.32	-1470	-491	1509.92	0.75	1222	4034	3274	1992
6783	92.30	179.70	5557.22	-1500	-491	1539.76	1.67	1252	4004	3274	1992
6814	91.30	179.20	5556.24	-1531	-491	1570.58	3.61	1283	3973	3274	1992
6844	91.60	179.60	5555.49	-1561	-490	1600.40	1.67	1313	3943	3275	1991
6875	90.90	179.60	5554.81	-1592	-490	1631.24	2.26	1344	3912	3275	1991
6905	90.50	179.80	5554.44	-1622	-490	1661.09	1.49	1374	3882	3275	1991
6936	90.60	179.60	5554.15	-1653	-490	1691.94	0.72	1405	3851	3276	1991
6966	90.40	179.60	5553.88	-1683	-490	1721.78	0.67	1435	3821	3276	1990
7027	90.50	179.10	5553.40	-1744	-489	1782.44	0.84	1496	3760	3277	1989
7118	90.70	178.40	5552.45	-1835	-487	1872.82	0.80	1587	3669	3279	1987
7210	90.70	178.10	5551.33	-1927	-484	1964.11	0.33	1679	3577	3282	1984
7301	90.90	179.50	5550.06	-2018	-482	2054.49	1.55	1770	3486	3284	1982
7396	90.40	178.80	5548.98	-2113	-481	2148.92	0.91	1865	3391	3286	1980
7490	90.00	178.30	5548.65	-2207	-479	2242.25	0.68	1958	3297	3289	1978
7586	91.90	178.40	5547.06	-2303	-476	2337.51	1.98	2054	3201	3292	1975
7681	92.40	179.10	5543.50	-2398	-474	2431.81	0.91	2149	3106	3294	1972
7775	90.70	179.00	5540.95	-2492	-472	2525.20	1.81	2243	3012	3296	1971
7870	90.40	179.80	5540.04	-2587	-471	2619.67	0.90	2338	2917	3297	1969
7964	90.90	180.00	5538.97	-2681	-471	2713.24	0.57	2432	2823	3298	1969
8059	90.10	180.90	5538.15	-2776	-472	2807.88	1.27	2527	2728	3297	1970
8153	90.00	180.10	5538.06	-2870	-473	2901.54	0.86	2621	2634	3297	1970
8248	90.40	179.80	5537.73	-2965	-473	2996.11	0.53	2716	2539	3297	1970
8343	90.70	179.50	5536.82	-3060	-472	3090.63	0.45	2811	2444	3298	1969
8438	91.20	180.40	5535.24	-3155	-472	3185.18	1.08	2906	2349	3299	1969
8532	90.40	181.00	5533.93	-3249	-473	3278.86	1.06	3000	2255	3298	1970
8627	90.70	180.30	5533.02	-3344	-474	3373.53	0.80	3095	2160	3297	1970
8722	91.40	181.10	5531.28	-3439	-475	3468.19	1.12	3190	2065	3296	1971
8817	92.60	181.70	5527.96	-3534	-478	3562.90	1.41	3285	1970	3294	1973
8912	92.20	181.60	5523.99	-3629	-480	3657.62	0.43	3380	1876	3292	1976
9006	88.10	182.60	5523.74	-3722	-484	3751.44	4.49	3474	1782	3289	1979
9100	88.00	182.50	5526.94	-3816	-488	3845.27	0.15	3568	1688	3285	1983
9196	88.50	182.30	5529.87	-3912	-492	3941.10	0.56	3664	1592	3281	1987
9291	89.10	181.70	5531.86	-4007	-495	4035.91	0.89	3759	1497	3278	1990
9385	89.80	181.00	5532.76	-4101	-497	4129.67	1.05	3853	1403	3276	1992
9480	90.50	180.60	5532.51	-4196	-499	4224.37	0.85	3948	1308	3275	1993
9575	91.10	179.70	5531.19	-4291	-499	4318.96	1.14	4043	1213	3275	1993
9670	90.50	180.30	5529.86	-4386	-499	4413.53	0.89	4138	1118	3275	1993
9765	90.00	181.40	5529.45	-4481	-500	4508.23	1.27	4233	1023	3274	1994
9860	89.50	181.20	5529.86	-4576	-503	4602.99	0.57	4327	928	3272	1996
9955	90.10	181.10	5530.19	-4671	-504	4697.72	0.64	4422	833	3271	1998
10050	90.50	181.20	5529.69	-4766	-506	4792.46	0.43	4517	738	3269	1999
10144	90.60	181.20	5528.79	-4860	-508	4886.21	0.11	4611	644	3268	2001
10239	90.30	180.90	5528.05	-4955	-510	4980.93	0.45	4706	549	3266	2002
10335	90.40	180.80	5527.46	-5051	-512	5076.63	0.15	4802	453	3265	2004
10403	90.50	180.70	5526.93	-5119	-512	5144.40	0.21	4870	385	3264	2004
10454	90.50	180.70	5526.48	-5170	-513	5195.23	0.00	4921	334	3264	2005



INVOICE

DATE	INVOICE #
4/15/2013	3887

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, ...	4/15/2013	3082	LARIAT 3	PEPPER 3419 2-4H	Due on rec...
Description					
DRILLED 130' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 130' OF 20" CONDUCTOR PIPE FURNISHED 1 LOAD(S) MUD FURNISHED WELDER AND MATERIALS FURNISHED 17 YARDS OF GRADE A CEMENT FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 14" CONDUCTOR PIPE FOR MOUSE HOLE TOTAL BID \$ 19,000.00					
Sales Tax (6.3%)					\$403.21
TOTAL					\$19,403.21

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REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2993905	Quote #:	Sales Order #: 900381248
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Cummings, Parker	
Well Name: Pepper 3419	Well #: 2-4H	API/UWI #:	
Field: COMBS	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 33 Township 33S Range 19W			
Contractor: Lariat	Rig/Platform Name/Num: 3		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FRENCH, JEREMY	Srvc Supervisor: VILLARREAL, ARTURO	MBU ID Emp #: 106127	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DALRYMPLE, BRIAN Kieth	9	456242	MENDOZA, VICTOR	9	442596	TORRES, CLEMENTE	9	344233
VILLARREAL, ARTURO	9	106127						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11706673	70 mile	11749437	70 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4-22-13	9	2.5						
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out	21 - Apr - 2013 22:00 CST
Form Type	BHST	On Location	22 - Apr - 2013 09:00 CST
Job depth MD	960. ft	Job Depth TVD	965. ft
Water Depth		Job Started	22 - Apr - 2013 00:00 CST
Perforation Depth (MD) From	To	Job Completed	22 - Apr - 2013 02:00 CST
		Departed Loc	22 - Apr - 2013 00:00 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
12.25" Open Hole				12.25					1000.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1000.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		

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

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MAY 16 2013

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REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2993905	Quote #:	Sales Order #: 900407268
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: , Jessie	
Well Name: Pepper 3419	Well #: 2-4H	API/UWI #:	
Field: COMBS	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 33 Township 33S Range 19W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: THOMPSON, RAYLAND	MBU ID Emp #: 476826

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
THOMPSON, RAYLAND Heath	10.0	476826	JIMMY HEIT	7		VICTOR MENDOZA	10	

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

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD) From	To	Date	Time	Time Zone
			BHST	6095. m				02 - May - 2013	07:30	CST
								02 - May - 2013	14:00	CST
								02 - May - 2013	20:30	CST
								21 - Apr - 2013	21:50	CST
								03 - May - 2013	00:00	CST

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
8.75" Open Hole				8.75				1000.	6095.		
7" Intermediate Casing	Unknow n		7.	6.276	26.	LTC	P-110		6095.		
9.625" Surface Casing	Unknow n		9.625	8.921	36.	LTC	J-55		1000.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 7, HWE, 5.66 MIN/6.54 MAX CS	1	EA		

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	

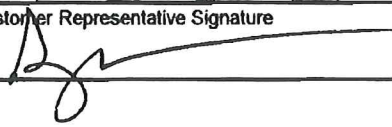
Fluid Data

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Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	Fresh Water			bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)		sacks	13.6	1.53	7.32		7.32
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.321 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)		sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement			bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	231	Shut In: Instant		Lost Returns	NO	Cement Slurry	75	Pad	
Top Of Cement	3485	5 Min		Cement Returns	NO	Actual Displacement	231	Treatment	
Frac Gradient		15 Min		Spacers	NO	Load and Breakdown		Total Job	
Rates									
Circulating		xing	5	Displacement	7	Avg. Job	6		
Cement Left In Pipe	Amount	91ft	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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HALLIBURTON

Cementing Job Summary

REGULATORY DEPT
SANDRIDGE ENERGY

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2993905	Quote #:	Sales Order #: 900418056
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: , Jessie	
Well Name: Pepper 3419	Well #: 2-4H	API/UWI #:	
Field: COMBS	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 33 Township 33S Range 19W			
Contractor: Lariat	Rig/Platform Name/Num: 3		
Job Purpose: Cement Production Liner			
Well Type: Development Well	Job Type: Cement Production Liner		
Sales Person: FRENCH, JEREMY	Srvc Supervisor: AGUILERA, FABIAN	MBU ID Emp #: 442123	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN	16	442123	HAYTON, GERALD	16	214504	HEIDT, JAMES Nicholas	16	517102
TORRES, CLEMENTE	16	344233						

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
5/9/2013	16	1						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					08 - May - 2013	21:00	CST
Form Type			BHST	On Location	09 - May - 2013	03:30	CST
Job depth MD	10454. ft		Job Depth TVD	Job Started	09 - May - 2013	14:21	CST
Water Depth			Wk Ht Above Floor	Job Completed	09 - May - 2013	15:42	CST
Perforation Depth (MD)	From		To	Departed Loc	09 - May - 2013	18:30	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
6.125" Open Hole				6.125				6095.	10468.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5524.	10468.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	6095.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5524.		

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

HALLIBURTON

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	Rig Supplied Gel Spacer		30.00	bbl	8.5	.0	.0	.0	
2	Primary Cement E923	ECONOCEM (TM) SYSTEM (452992)	510.0	sacks	13.6	1.5	6.76		6.76
	5 lbm	KOL-SEAL, BULK (100064233)							
	0.25 %	SA-1015, 50 LB SACK (102077046)							
	0.2 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	6.756 Gal	FRESH WATER							
3	Displacement		135.00	bbl	8.33	.0	.0	.0	
Calculated Values			Pressures			Volumes			
Displacement	135 BBL	Shut In: Instant		Lost Returns	YES	Cement Slurry	136 BBL	Pad	
Top Of Cement	3105 FT.	5 Min		Cement Returns	NO	Actual Displacement	135 BBL	Treatment	
Frac Gradient		15 Min		Spacers	30 BBL	Load and Breakdown		Total Job	
Rates									
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5		
Cement Left In Pipe	Amount	84 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					



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/24/2013
Job End Date:	5/25/2013
State:	Kansas
County:	Comanche
API Number:	15-033-21709-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Pepper 3419 2-4H
Longitude:	-99.38440000
Latitude:	37.12080000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	5,527
Total Base Water Volume (gal):	1,942,923
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
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.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant, Acid, Iron Control Agent, Propping Agent					
			Water (Including Mix Water Supplied by Client)*	NA		94.97215	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant, Acid, Iron Control Agent, Propping Agent					
			Crystalline silica	14808-60-7	96.28392	4.84101	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant, Acid, Iron Control Agent, Propping Agent					
			Hydrogen chloride	7647-01-0	2.73206	0.13736	

HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Distillates (petroleum), hydrotreated light	64742-47-8	0.27695	0.01392	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.21101	0.01061	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ammonium chloride	12125-02-9	0.13188	0.00663	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Polyethylene glycol monohexyl ether	31726-34-8	0.11026	0.00554	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Trisodium ortho phosphate	7601-54-9	0.02688	0.00135	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethoxylated oleic acid	9004-96-0	0.02638	0.00133	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sorbitan monooleate	1338-43-8	0.02638	0.00133	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					

			Sodium erythorbate	6381-77-7	0.01922	0.00097	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Methanol	67-56-1	0.01019	0.00051	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sorbitol Tetraoleate	61723-83-9	0.00791	0.00040	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethane-1,2-diol	107-21-1	0.00765	0.00038	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Fatty acids, tall-oil	61790-12-3	0.00744	0.00037	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sodium sulfocyanate	540-72-7	0.00686	0.00034	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			2-Propenoic acid, ammonium salt	10604-69-0	0.00646	0.00032	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Glutaraldehyde	111-30-8	0.00630	0.00032	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					

			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00612	0.00031	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00528	0.00027	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00483	0.00024	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00396	0.00020	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			C14 alpha olefin ethoxylate	84133-50-6	0.00396	0.00020	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00396	0.00020	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00285	0.00014	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Prop-2-yn-1-ol	107-19-7	0.00190	0.00010	

HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alkenes, C>10 a-	64743-02-8	0.00127	0.00006	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.00113	0.00006	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			2-propenamid	79-06-1	0.00119	0.00006	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Propan-2-ol	67-63-0	0.00097	0.00005	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Potassium hydroxide	1310-58-3	0.00022	0.00001	
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethanol	64-17-5	0.00014	0.00001	

* 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)

Section 33

33S 19W RACHEL 3319 1-33H

PEPPER 3419 3-4H

PEPPER 3419 2-4H

Section 34
33S 19W

PEPPER 3419 4-4H

Miss Entry: 5628'

-99.385995 37.119761

URSULA 3419 1-3H

PEPPER 3419 1-4H

SALT SWD 2-4

Top Perf: 5858'

-99.386304 37.119278

Section 4
34S 19W

Section 3
34S 19W

Comanche County

Bottom Perf: 9986'

-99.386383 37.108028

BHL: 10454'

-99.386398 37.106657

323' FSL

1990' FEL

Section 9
34S 19W

Section 10
34S 19W



Actual Bottom-Hole Location of Pepper 3419 2-4H
Comanche County, Kansas
T&R: 34S 19W
Section: 4, 1990' FEL & 323' FSL
-99.386398 37.106657

1 in = 899 ft

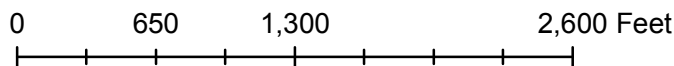


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 8/7/2013

Drawing Name/Number:

Addendum_Pepper 3419 2-4H .mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Remarks

Tiffany Golay
05/09/013
01:03 pm

TD: 10,454 TVD: 5527

Tiffany Golay
07/24/013
09:00 am

conductor weight= 75 lbs/ft

Tiffany Golay
07/30/013
02:02 pm

Additional Fluid mgmt info: 35 bbls hauled to Gray Mud Disposal. SW/4
15-24S-7W, Woods, OK