

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1093509

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 #	API No. 15				
Name:	Spot Description:				
Address 1:	SecTwpS. R 🗌 East 🗌 West				
Address 2:	Feet from North / South Line of Section				
City: State: Zip:+	Feet from _ East / _ West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.				
□ Deepening □ Re-perf. □ Conv. to ENHR □ Conv. to SWD □ Plug Back □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)				
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used:				
Dual Completion Permit #:					
SWD Permit #:	Location of fluid disposal if hauled offsite:				
GSW Permit #:	Operator Name:				
	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. 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:

Page Two



Operator Name:									
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b d.	ottom hole temp	erature, fluid recov
Final Radioactivity Lo files must be submitte						ogs must be ema	alled to kcc-well-	logs@kcc.ks.go	v. Digital electronic
Drill Stem Tests Taker (Attach Additional		Y	es No			J	on (Top), Depth		Sample
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum
Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No			=						
List All E. Logs Run:									
				RECORD	Ne				
	0: 11.1					ermediate, product		" 0 1	T 15
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives	
Perforate Protect Casing	Top Dottern								
Plug Back TD Plug Off Zone									
1 lug 0 li 20 lio									
Did you perform a hydrau	ulic fracturing treatment	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)
Does the volume of the t			-		-			skip question 3)	
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, i	ill out Page Three	of the ACO-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl					rd Depth	
						(* *			200
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:			
		0017111				[Yes N	o	
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!	
DISPOSITION Solo	ON OF GAS: Used on Lease		N Open Hole	∥ETHOD OF Perf.			mmingled	PRODUCTION	ON INTERVAL:
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lorimer 2330 1-9H
Doc ID	1093509

All Electric Logs Run

D1R1 DPC 5 inch Density
Induction
Density
D1R1 DPC 5 inch Induction

Form	ACO1 - Well Completion			
Operator	SandRidge Exploration and Production LLC			
Well Name	Lorimer 2330 1-9H			
Doc ID	1093509			

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	8887-9112	6175 bbls water, 36 bbls acid, 100M lbs sd, 6211 TLTR	
6	8537-8810	4914 bbls water, 36 bbls acid, 100M lbs sd, 11306 TLTR	
6	8148-8403	5497 bbls water, 36 bbls acid, 100M lbs sd, 16958 TLTR	
6	7734-8017	5532 bbls water, 36 bbls acid, 100M lbs sd, 22478 TLTR	
6	7373-7644	5411 bbls water, 36 bbls acid, 100M lbs sd, 27889 TLTR	
6	7034-7293	6166 bbls water, 36 bbls acid, 100M lbs sd, 34120 TLTR	
6	6711-6950	5239 bbls water, 36 bbls acid, 100M lbs sd, 39792 TLTR	
6	6310-6585	4784 bbls water, 36 bbls acid, 100M lbs sd, 44680 TLTR	
6	5932-6173	5439 bbls water, 36 bbls acid, 100M lbs sd, 50195 TLTR	
6	5512-5771	5131 bbls water, 36 bbls acid, 98M lbs sd, 55406 TLTR	

Form	ACO1 - Well Completion			
Operator	SandRidge Exploration and Production LLC			
Well Name	Lorimer 2330 1-9H			
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6		4657 bbls water, 36 bbls acid, 101M lbs sd, 60121 TLTR	

Form	ACO1 - Well Completion			
Operator	SandRidge Exploration and Production LLC			
Well Name	Lorimer 2330 1-9H			
Doc ID	1093509			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	120	4500 PSI concrete	12	none
Surface	12.25	9.63	36	1800	Halliburtio n Extendac em and Swiftcem Systems	710	3% Calcium Chloride, .25 lbm Poly-E- Flake
Intermedia te	8.75	7	26	5265	Halliburtio n Econocem and Halcem Systems	250	.4% Halad(R)- 9, 2 lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	9242	Halliburton Econocem System	450	.4% Halad(R)- 9, 2 lbm Kol-Seal, 2% Bentonite

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/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

September 13, 2012

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

Re: ACO1 API 15-055-22174-01-00 Lorimer 2330 1-9H NW/4 Sec.09-23S-30W Finney 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



Wellbore Name Lorimer 2330 1-9H (Actual) **Last Revised** Created 10-Sep-2012 13-Aug-2012 Well Name Government ID **Last Revised** 13-Aug-2012 Lorimer 2330 1-9H Slot Grid Easting 1388026.4250 Name **Grid Northing** Latitude Longitude North East Lorimer 2330 1-9H 519490.6400 N38 4 27.1932 W100 37 33.9782 211.375 394.45E Installation Easting **Coord System Name** North Alignment Name Northing **Finney County** 1387632.0000 519702.0001 KS-S on NORTH AMERICAN DATUM 1927 datum Field Coord System Name
KS-S on NORTH AMERICAN DATUM 1927 datum North Alignment Name Easting Northing Sec 9 - 23S - 30W Grid 1387632.0000 519702.0001 Created By Comments

FINAL surveys

MD 9242 is a projection to bit @ TD



5369.00

90.60

182,300

4815.99

894.68S

Standard Wellpath Report Sandridge Sec 9 - 23S - 30W, Kansas Finney County Wellbore: Lorimer 2330 1-9H (Actual)

Wellpath (Grid) Report TVD[ft] Vertical Northing MD[ft] Inc[deg] Azi[deg] North[ft] East[ft] Dogleg Easting [deg/100ft] Section[ft 0.00 0.00 0.000 0.00 0.00N 0.00E 0.00 1388026.43 519490.64 1822.00 3.30 43.500 1820.99 38.05N 36.11E 0.18 -38.61 1388062.53 519528.69 519531.28 519533.57 1886.00 3.20 45.200 1884.89 40.64N 38.64E 0.22 -41.24 1388065.07 1950.00 2.70 46.900 1948.80 42.93N 41.01E 0.79 -43.571388067.43 1388069.51 519535.43 2014.00 2.30 49.600 2012.74 2076.70 44.80N 43 09F 0.65 -45.46 2078.00 51.200 46.36N 44.98E -47.06 1388071.40 519537.00 2.10 0.33 519538.89 2174.00 1.40 47.800 2172.65 48.25N 47.22E 0.74 -48.98 1388073.64 2205.00 519539.44 1.50 44.000 2203.64 48.80N 47.78E 0.45 -49.54 1388074.21 2301.00 0.90 30.700 2299.62 50.35N 49.04E 0.68 -51.11 1388075.46 519540.99 2397.00 0.60 8.600 2395.61 51.50N 49.50E 0.43 -52.26 1388075.92 519542.13 2493.00 0.60 22.700 2491.61 52.46N 49.77E 0.15 -53.22 1388076.19 519543.09 2588.00 0.60 39.300 2586.60 53.30N 50.28E 0.18 -54.08 1388076.70 519543.94 519544.56 519544.96 519545.35 2684.00 0.40 45.500 2682.60 53.92N 50.84E 0.22 -54.71 1388077.26 61.200 62.000 54.32N 54.72N 1388077.79 1388078.53 2780.00 0.40 2778.60 51.37E 0.11 -55.11 2876.00 0.60 2874 59 52.11E -55.52 0.21 55.15N 1388079.42 519545.79 2971.00 0.60 2969.59 66.200 53.00E 0.05 -55.97 519546.17 3066.00 0.50 64.400 3064.58 55.53N -56.36 1388080.25 53.83E 0.11 1388081.05 519546.35 3162.00 0.50 89.400 3160.58 55.72N 54.63E -56.56 0.23 3256.58 55.80N 519546.43 3258.00 0.40 77.100 55.37E 0.14 -56.65 1388081.79 3353.00 0.40 53.300 3351.57 56.07N 55.96E 0.17 -56.93 1388082.38 519546.71 3544.00 0.40 61.600 3542.57 56.78N 57.08E -57.66 1388083.50 519547.42 0.03 3735.00 0.40 77.300 3733.56 57.25N 58.32E 0.06 -58.15 1388084.74 519547.88 3831.00 0.40 121.100 3829.56 57.15N 58.93E 0.31 -58.06 1388085.35 519547.79 3862.00 0.20 76.900 3860.56 57.11N 59.08E 0.94 -58.02 1388085.50 519547.74 3894.00 0.50 131.700 3892.56 57.03N 59.24E 1.31 -57.94 1388085.66 519547.66 3926.00 1.90 169.700 3924.55 56.41N 59.43E 4.80 -57.33 1388085.86 519547.05 3957.00 4.20 177.200 3955.51 54.77N 59.58E 7.51 -55.69 1388086.00 519545.41 179.500 3990.00 519542.42 6.20 3988.37 51.78N 59.66E 1388086.08 1388086.11 6.09 -52.704022.00 8.40 179.500 4020.11 519538.35 47.72N 59.69E -48.64 6.88 4053.00 10.30 182.400 4050.70 42.68N 59.60E 6.31 -43.60 1388086.02 519533.32 4085.00 12.20 183.500 4082.08 36.45N 59.27E 5.97 -37.36 1388085.69 519527.09 184.900 4117.00 14.20 4113.23 29.16N 58.73E 6.33 -30.07 1388085.15 519519.80 4149.00 16.20 185.500 1388084.39 519511.45 4144.11 20.81N 57.96E 6.27 -21.71 4181.00 18.80 185.900 4174.63 11.23N 57.01E -12.12 1388083.43 519501.87 8.13 4213.00 21.30 186.500 4204.69 0.33N 55.82E 7.84 -1.20 1388082.24 519490.97 4245.00 23.70 186.100 4234.25 11.848 54.48E 7.52 11.00 1388080.90 519478.80 4277.00 185.700 1388079.52 26.00 4263.28 25.22S 53.10E 7.21 24.39 519465.42 4309.00 28.00 39.67S 519450.97 519435.53 185,900 4291.79 51.63E 6.26 38.86 1388078.05 185.400 4341.00 1388076.52 30.00 4319.78 55.11S 50.10E 6.30 54.32 4373.00 32.10 184.700 4347.19 71.55S 48.65E 6.66 70.79 1388075.08 519419.10 4405.00 34.20 184.000 4373.98 89.00S 47.33E 6.67 88.25 1388073.75 519401.65 4436.00 519383.84 36.10 183.100 4399.33 106.81S 46.23E 6.35 106.08 1388072.65 4468.00 182.400 4424.85 45.30E 38.10 126.09S 6.39 125.37 1388071.73 519364.56 4500.00 182.100 4449.68 146.25S 44.51E 1388070.93 519344.40 40.10 6.28 145.54 4532.00 42.10 182.500 4473.80 167.278 43.67E 166.57 1388070.09 519323.38 6.30 4564.00 44.60 182.700 4497.07 189.218 42.67E 7.82 188.53 1388069.09 519301.44 4596.00 47.00 182.800 4519.37 212.138 41.57E 7.50 211.45 1388067.99 519278.53 4628.00 49.00 182.700 4540.78 235.88\$ 40.43E 6.25 235.22 1388066.85 519254.78 182.700 182.500 4660.00 49.30 4561.71 260.06S 39.29E 0.94 259.42 1388065.71 519230.60 4692.00 49 50 4582.54 284,335 38.19E 0.78 283.70 1388064.61 519206.33 4724.00 49.80 182.000 1388063.65 1388062.86 4603.26 308.70S 37.23E 519181.96 519157.52 1.52 308.08 4756.00 49.90 181.700 4623.89 333.148 36.44E 0.78 332.54 4788.00 50.10 181.700 4644.46 357.65S 1388062.13 0.62 357.05 519133.02 35.71E 4820.00 50.10 181.600 4664.99 382.198 35.00E 381.60 1388061.43 519108.48 0.24 4852.00 52.40 181.200 4685.01 407.13S 34.40E 7.25 406.55 1388060.82 519083.53 4883.00 55.70 181.000 432.228 4703.21 33.92E 10.66 431.64 1388060.34 519058.45 4915.00 58.90 181.400 4720.50 459.14S 33.35E 1388059.77 519031.53 10.06 458.56 486.33 4947.00 61.50 182.600 4736.40 486.89S 32.38E 1388058.80 519003.78 8.75 4979.00 63.80 182.600 4751.10 515.28\$ 31.09E 7.19 514.73 1388057.51 518975.39 5011.00 66.20 182.900 4764.62 544.24\$ 29.70E 7.55 543.72 1388056.12 518946.43 182.600 5043.00 68.90 4776.84 4787.27 573.78S 28.28E 8.48 573.27 1388054.70 518916.89 5074.00 71.80 182,300 602.95S 27.03E 9.40 602.46 1388053.45 518887.73 5106.00 182.100 633.598 1388052.28 75.00 4796.41 25.85F 10.02 633.11 518857 09 5137.00 78.20 182.300 4803.59 663.72S 1388051.12 24.70E 10.34 663.25 518826.96 5169.00 81.60 181.900 4809.20 695.20S 23.54E 10.70 694.75 1388049.97 518795.49 5201.00 182.300 4812.96 1388048.80 84.90 726.95S 22.38E 10.39 726.51 518763.74 5273.00 89.70 182.900 4816.35 798.77S 19.12E 6.72 798.38 1388045.54 518691.92 5305.00 90.10 182.500 4816.41 830.748 17.61E 1.77 830.36 1388044.03 518659.95 5337.00 90.40 182.500 4816.27 862.71S 16.21E 0.94 862.35 1388042.64 518627.99

0.88

894.34

1388041.30

518596.02

14.87E



MD[ft]	(Grid) Rep Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg	Vertical	Easting	Northing
						[deg/100ft]	Section[ft]		
5401.00	90.90	181.900	4815.57	926.65S	13.70E	1.56	926.33	1388040.12	518564.05
5432.00	91.20	182.200	4815.00	957.63S	12.59E	1.37	957.32	1388039.02	518533.07
5462.00	90.70	181.600	4814.50	987.61S	11.60E	2.60	987.31	1388038.02	518503.10
5494.00	90.80	181.300	4814.09	1019.59S	10.79E	0.99	1019.30	1388037.21	518471.11
5525.00	90.50	181.500	4813.73	1050.58S	10.03E	1.16	1050.30	1388036.45	518440.12
5556.00	90.30	181.700	4813.52	1081.57S	9.16E	0.91	1081.30	1388035.59	518409.14
5587.00	88.90	181.500	4813.73	1112.56S	8.30E	4.56	1112.29	1388034.72	518378.15
5617.00	88.50	181.500	4814.41	1142.548	7.51E	1.33	1142.28	1388033.94	518348.17
5648.00 5679.00	88.60	181.500	4815.20	1173.528	6.70E	0.32	1173.27	1388033.13	518317.20 518286.21
	88.90 88.60	181.000	4815.88	1204.50S	6.03E 5.27E	1.88	1204.26 1234.25	1388032.45 1388031.69	518256.23
5709.00 5771.00	90.80	181.900 181.900	4816.53 4816.85	1234.49S 1296.45S	3.21E	3.16 3.55	1296.24	1388029.64	518194.27
5802.00	90.80	181.900	4816.42	1327.43S	2.18E	==>	1327.23	1388028.61	518163.30
5864.00	91.40	181.700	4815.23	1389.38\$	0.24E	1.02	1389.21	1388026.66	518101.34
5895.00	91.70	181.400	4814.39	1420.36S	0.60W	1.37	1420.20	1388025.82	518070.37
5957.00	91.50	181.000	4812.66	1482.32S	1.90W	0.72	1482.17	1388024.53	518008.41
6019.00	90.60	181.600	4811.53	1544.30S	3.31W	1.74	1544.16	1388023.12	517946.44
6050.00	90.70	181.800	4811.17	1575.28S	4.22W	0.72	1575.16	1388022.20	517915.46
6081.00	91.10	182.100	4810.69	1606.26S	5.28W	1.61	1606.15	1388021.15	517884.48
6112.00	91.30	182.000	4810.04	1637.23S	6.39W	0.72	1637.13	1388020.04	517853.51
6144.00	90.80	181.800	4809.45	1669.21S	7.45W	1.68	1669.12	1388018.98	517821.54
6175.00	90.20	181.500	4809.18	1700.198	8.34W	2.16	1700.12	1388018.08	517790.55
6238.00	90.80	181.200	4808.63	1763.17S	9.83W	1.06	1763.11	1388016.60	517727.58
6299.00	90.30	180.300	4808.05	1824.17S	10.62W	1.69	1824.11	1388015.80	517666.59
6362.00	89.40	179.900	4808.21	1887.16S	10.73W	1.56	1887.10	1388015.69	517603.59
6424.00	89.90	179.900	4808.59	1949.16S	10.63W	0.81	1949.09	1388015.80	517541.60
6486.00	89.70	179.700	4808.81	2011.16S	10.41W	0.46	2011.08	1388016.02	517479.60
6517.00	90.00	179.600	4808.89	2042.16S	10.22W	1.02	2042.07	1388016.21	517448.61
6578.00	89.50	179.400	4809.15	2103.16S	9.69W	0.88	2103.05	1388016.74	517387.61
6640.00	88.70	179.100	4810.13	2165.14S	8.88W	1.38	2165.02	1388017.55	517325.63
6672.00	88.70	179.100	4810.85	2197.13S	8.37W	==>	2197.00	1388018.05	517293.64
6734.00	89.10	179.400	4812.04	2259.12S	7.56W	0.81	2258.96	1388018.86	517231.67
6765.00	89.30	179.900	4812.48	2290.11S	7.37W	1.74	2289.95	1388019.05	517200.67
6796.00	89.60	180.800	4812.77	2321.11S	7.56W	3.06	2320.95	1388018.86	517169.68
6860.00	89.90	180.400	4813.05	2385.11S	8.23W	0.78	2384.95	1388018.19	517105.68
6892.00	90.20	180.500	4813.02	2417.10S	8.48W	0.99	2416.94	1388017.94	517073.69
6924.00	90.40	181.200	4812.86	2449.10S	8.96W	2.28	2448.94	1388017.47	517041.69
6987.00	89.90	182.200	4812.69	2512.07S	10.83W	1.77	2511.94	1388015.60	516978.73
7051.00	90.20	181.900	4812.64	2576.03S	13.12W	0.66	2575.92	1388013.31	516914.77
7115.00	90.60	182.000	4812.19	2639.99S	15.29W	0.64	2639.91	1388011.13	516850.81
7178.00	91.10	182.400	4811.25	2702.94S	17.71W	1.02	2702.89	1388008.71	516787.87
7241.00	91.50	181.600	4809.83	2765.88S	19.91W	1.42	2765.86	1388006.52	516724.93
7305.00	91.00	181.700	4808.43	2829.84S	21.75W	0.80	2829.84	1388004.67	516660.98
7369.00	90.40	182.000	4807.65	2893.80S	23.82W	1.05	2893.82	1388002.61	516597.02
7433.00	89.60	182.100	4807.65	2957.76S	26.11W	1.26	2957.81	1388000.32	516533.06
7497.00 7560.00	88.80 88.20	182.400 182.100	4808.54 4810.19	3021.70\$	28.62W	1.33	3021.78	1387997.81	516469.12
7624.00	87.80	181.700	4812.42	3084.63S 3148.56S	31.09W 33.21W	1.06	3084.74 3148.70	1387995.33 1387993.21	516406.20
7656.00	87.80	180.800	4813.65	3180.53S	33.91W	0.88 2.81	3180.67	1387992.52	516342.28 516310.31
7720.00	88.70	182.700	4815.61	3244.46S	35.87W	3.28	3244.63	1387990.56	516246.38
7752.00	89.10	182.600	4816.22	3276.42S	37.34W	1.29	3276.61	1387989.08	516214.42
7784.00	89.00	182.600	4816.75	3308.398	38.80W	0.31	3308.59	1387987.63	516182.46
7848.00	89.80	182.400	4817.42	3372.32S	41.59W	1.29	3372.56	1387984.84	516118.53
7911.00	91.70	184.600	4816.60	3435.19S	45.43W	4.61	3435.48	1387981.00	516055.66
7975.00	89.80	183.400	4815.76	3499.03S	49.90W	3.51	3499.38	1387976.53	515991.83
8007.00	89.50	183.600	4815.95	3530.97S	51.85W	1.13	3531.35	1387974.58	515959.89
8037.00	89.50	182.900	4816.22	3560.92S	53.55W	2.33	3561.32	1387972.88	515929.95
8103.00	88.00	182.700	4817.66	3626.82S	56.77W	2.29	3627.26	1387969.65	515864.05
8167.00	87.70	181.900	4820.06	3690.72S	59.34W	1.33	3691.20	1387967.09	515800.15
8199.00	87.60	182.400	4821.37	3722.67S	60.54W	1.59	3723.16	1387965.89	515768.20
8262.00	88.60	181.600	4823.46	3785.60S	62.74W	2.03	3786.12	1387963.69	515705.28
8294.00	88.70	181.200	4824.21	3817.58S	63.52W	1.29	3818.11	1387962.91	515673.30
8358.00	90.00	181.600	4824.94	3881.56S	65.08W	2.13	3882.10	1387961.35	515609.33
8422.00	90.00	181.100	4824.94	3945.54S	66.59W	0.78	3946.10	1387959.84	515545.35
8486.00	90.00	181.500	4824.94	4009.52S	68.04W	0.63	4010.09	1387958.39	515481.37
8550.00	90.80	181.100	4824.49	4073.50S	69.49W	1.40	4074.09	1387956.94	515417.39
8581.00	90.60	180.300	4824.11	4104.50S	69.87W	2.66	4105.09	1387956.56	515386.40
8645.00	90.10	180.900	4823.72	4168.498	70.54W	1.22	4169.09	1387955.89	515322.41
8709.00	90.40	179.900	4823.44	4232.49S	70.99W	1.63	4233.08	1387955.44	515258.41
	90.40 91.10	179.900 180.300	4823.44 4822.60	4232.49S 4296.48S	70.99W 71.10W	1.63 1.26	4233.08 4297.07	1387955.44 1387955.33	515258.41 515194.42

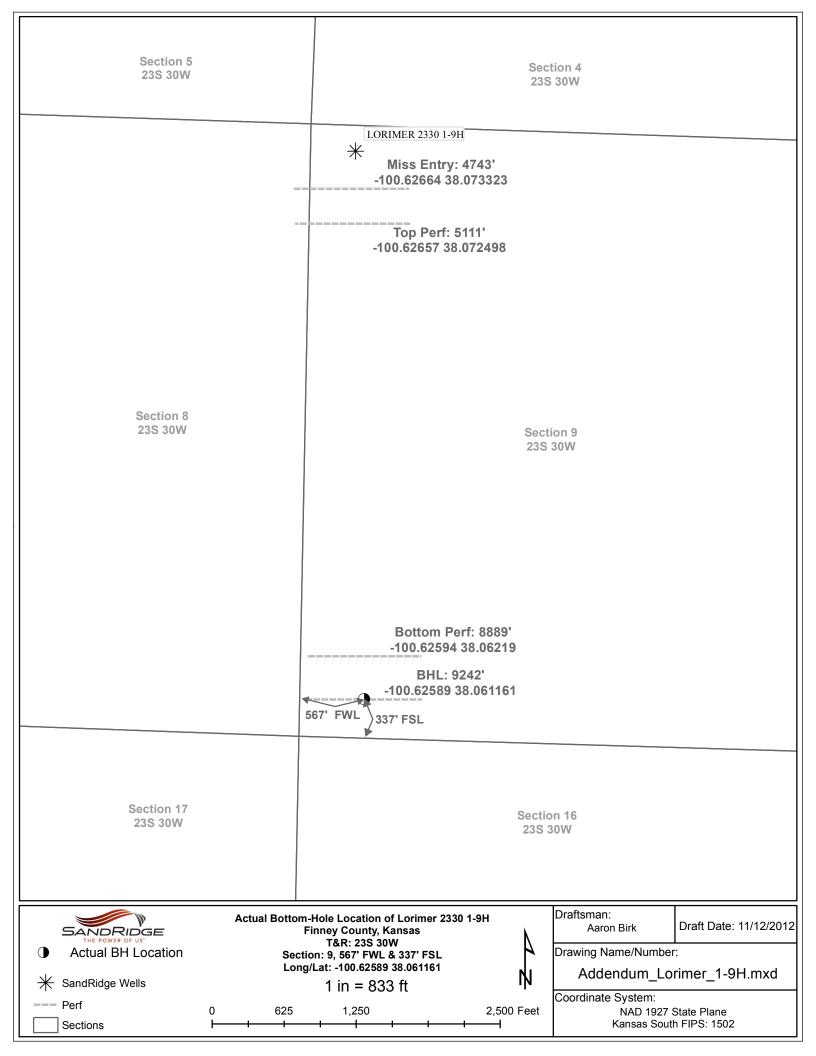


Well	path	(Grid)	Re	port

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft	Easting	Northing
8867.00	91.00	180.900	4821.24	4390.47S	72.25W	1.25] 4391.06	1387954.18	515100.45
8930.00	90.10	180.900	4820.63	4453.458	73.24W	1.43	4454.05	1387953.19	515037.46
8994.00	88.70	180.100	4821.30	4517.45S	73.80W	2.52	4518.05	1387952.63	514973.48
9058.00	88.20	179.900	4823.03	4581.42S	73.80W	0.84	4582.02	1387952.63	514909.50
9090.00	88.20	180.200	4824.04	4613.41S	73.83W	0.94	4614.00	1387952.60	514877.52
9185.00	88.50	181.100	4826.78	4708.36S	74.91W	1.00	4708.96	1387951.52	514782.57
9242.00	88.50	181.100	4828.27	4765.33S	76.00W	==>	4765.94	1387950.43	514725.61



MD[ft] 9242.00 TVD[ft] 4828.27 North[ft] 4765.33S **East[ft]** 76.00W Comment Projection to bit @ TD





****Conductor, Rat and Mouse Hole Drilling Services***

Ticket

Company:			Date: 8/1	4/2012	
Sandridge		ì			
Drill Rig: Lariate 3 120' of 30" Drilled Cond 120' of 20" Conductor F 6'x6' Cellar Tinhorn W/F Drill & Install cellar 75' of 20" Drilled Mousl 75' of 16" Moushole Pip Mobilization of Equipm Welding Services for Pip Provided Equipment & Provided Personal to Fa Provide Metal for Lids() 12 Yards of 4500PSI con	Pipe(.250 wall) 83 Protective Ring hole pe ent & Road Perm pe & Lids Labor for Dirt Re acilitate Diggtess t for the Conduc	nitting Fo moval (One Cal tor and 1	ll) 2 for the Mouse ho	ole pipe)	13 330 1-9 H
Comments:) Thank You For Your Business If a caving formation and (or) of tank trucks, vacuum trucks conditions, if rock is present to	s, and cement pump t	rucks. Price	rill be add to cover the ces figured on non-rocky	Total soil	\$28,680.00

Cementing Job Summary

The Road to Excellence Starts with Safety Sales Order #: 9760257 **Ship To #**: 2945740 Quote #: Sold To #: 305021 Customer: SANDRIDGE ENERGY INC EBUSINESS Customer Rep: ???, COMPANY MAN Well #: 1-9H API/UWI #: 15-055-22174 Well Name: Lorimer 2330 City (SAP): GARDEN CITY County/Parish: Finney State: Kansas Field: Legal Description: Section 9 Township 23S Range 30W Rig/Platform Name/Num: 3 Contractor: Lariat Job Purpose: Cement Surface Casing Well Type: Development Well Job Type: Cement Surface Casing Sales Person: NGUYEN, VINH Srvc Supervisor: RODRIGUEZ, EDGAR MBU ID Emp #: 442125 Job Personnel Exp Hrs **HES Emp Name** Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# MURGADO, MIGUEL 284594 480456 12 JOHNSON, PIERCE 12 525965 LUNA, JOSE A 12 TORRES, CLEMENTE RODRIGUEZ. 12 442125 12 344233 EDGAR Alejandro Equipment HES Unit # Distance-1 way HES Unit# Distance-1 way HES Unit # Distance-1 way HES Unit # Distance-1 way **Job Hours** Operating On Location Operating On Location Operating Date On Location Date Date Hours Hours Hours Hours Hours Hours 8/22/2012 8/23/2012 2.5 6 Total is the sum of each column separately TOTAL **Job Times** Job **Formation Name** Date Time Time Zone Bottom Called Out 22 - Aug - 2012 11:00 CST Formation Depth (MD) Top 22 - Aug - 2012 15:00 CST BHST On Location Form Type CST 1802. ft Job Depth TVD 1800. ft 23 - Aug - 2012 03:31 Job depth MD Job Started 23 - Aug - 2012 CST 04:59 Water Depth Wk Ht Above Floor 4. ft Job Completed 23 - Aug - 2012 06:20 CST Perforation Depth (MD) From To Departed Loc **Well Data** Description ID Weight Thread Grade Top MD **Bottom** Top Bottom New / Max Size MD **TVD TVD** Used pressure lbm/ft ft in in ft ft ft psig 12.25" Open Hole 12.25 1610. 12.25" Open 12.25 1610. 1810. Hole- Lower 9.625" Surface Unknow 9.625 8.921 36. LTC J-55 1810 Casing n Sales/Rental/3rd Party (HES) Qty Qty uom Depth Supplier Description PLUG, CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA EΑ **Tools and Accessories** Qty Make Type Size Qty Make Depth Type Size Qtv Make Depth Type Size HES Guide Shoe Packer Top Plug 9 5/8 Bridge Plug **Bottom Plug** Float Shoe Retainer SSR plug set Float Collar HES Plug Container 9 5/8 Insert Float Centralizers Stage Tool **Miscellaneous Materials Gelling Agt** Conc Surfactant Conc Acid Type Qty Conc % **Treatment Fld** Conc Inhibitor Conc Sand Type Size Qty

Stage/Plug #: 1

Summit Version: 7.3.0039

Cementing Job Summary

Fluid	Stage	Туре			Fluid N	lame		Qty	Qty	Mixing	Yield	Mix Flui			al Mix
#			3					8	uom	Density Ibm/gal	ft3/sk	Gal/sk	bbl/min	Fluid	l Gal/sk
1	Fresh W	ater				,		10.00	bbl	8.33	.0	.0	.0		
2	Lead Ce	ment	EXT	END	ACEM (TM)	SYSTEM (4	52981) 550.0	sacks	12.4	2.12	11.68		1	1.68
	3 %		CAL	CIUN	/ CHLORIDE	, PELLET,	50 LB	(101509387	")						
	0.25 lbm	1	POL	Y-E-	FLAKE (1012	216940)									
	11.676 G	al	FRE	SH V	VATER										
3	Tail Cem	ent	SW	IFTCI	EM (TM) SYS	STEM (4529	90)	160.0	sacks	15.6	1.2	5.32		5	5.32
	2 %		CAL	CIUN	A CHLORIDE	, PELLET,	50 LB	(101509387	')						
	0.125 lbn	n	POL	Y-E-	FLAKE (1012	216940)									
	5.319 Ga	ıl	FRE	SH V	VATER										
4							1	136.00	bbl	8.33	.0	.0	.0		
	Displacen C	nent/TB													
Ca	alculated	Values		46.9	Pressui	'es	2			V	olumes		estant a		
Displa	cement	136	;	Shut	In: Instant		Lost	Returns	turns Cement Slurry		lurry	242	Pad		
Top O	Cement	SURFA	CE	5 Mir	1		Ceme	ent Returns	30			ent 136	Treatn	nent	
Frac G	radient			15 M	in		Spac	ers	10 Load and Breakdown		wn	Total	lob	388	
								Rates							
Circu	lating	5			Mixing	6		Displac	cement	6		Avg. c	lob	5	.5
Cem	ent Left In	n Pipe	Am	ount	43.92 ft Rea	son Shoe	Joint				•				
Frac I	Ring # 1 @	9	ID		Frac ring # 2	@	D	Frac Rin	g # 3 @	10	ו כ	Frac Ring	#4@		D
Tł	ne Inforn	nation	Sta	ted	Herein Is (Correct	Cust	omer Repres	entative S	Signature					

Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 305021 Sales Order #: 9787303 **Ship To #**: 2945740 Quote #: Customer: SANDRIDGE ENERGY INC EBUSINESS Customer Rep: Man, Company API/UWI #: 15-055-22174 Well Name: Lorimer 2330 Well #: 1-9H City (SAP): GARDEN CITY County/Parish: Finney Field: State: Kansas Legal Description: Section 9 Township 23S Range 30W Rig/Platform Name/Num: 3 Contractor: LARIAT Job Purpose: Cement Intermediate Casing Job Type: Cement Intermediate Casing Well Type: Development Well Sales Person: NGUYEN, VINH Srvc Supervisor: GALVAN, GEORGE MBU ID Emp #: 447816 Job Personnel **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# RAMIREZ, JORGE M. 498481 BECERRA, JUAN 10 491933 GALVAN, GEORGE 10 447816 10 Carlos Equipment HES Unit # Distance-1 way HES Unit # HES Unit # Distance-1 way HES Unit # Distance-1 way Distance-1 way 11689692 70 mile 11700001 11819424 70 mile 70 mile Job Hours Date Date On Location Operating Date On Location Operating On Location Operating Hours Hours Hours Hours Hours Hours 09-1-2012 10 1.5 TOTAL Total is the sum of each column separately Job **Job Times** Formation Name Time Time Zone Date 31 - Aug - 2012 Formation Depth (MD) Top Bottom Called Out 21:00 **CST** BHST 01 - Sep - 2012 Form Type On Location 04:30 CST 17273.6 m Job depth MD 17273.6 m Job Depth TVD 01 - Sep - 2012 11:35 CST Job Started Water Depth Wk Ht Above Floor 01 - Sep - 2012 12:45 CST 16.4 m Job Completed Perforation Depth (MD) From 01 - Sep - 2012 CST To Departed Loc 14:45 **Well Data** Description New / Max Size ID Weight **Thread** Grade Top MD **Bottom Bottom** Top Used **TVD** TVD pressure mm mm kg/m MD m **MPa** m m m 8.75" Open Hole 8.75 1810. 5244. 7" Intermediate Unknow 7. 6.276 26. LTC P-110 5244. Casing n 9.625" Surface Unknow 9.625 8.921 36. LTC J-55 1810. Casing Sales/Rental/3rd Party (HES) Description Qtv uom Depth Supplier PLUG, CMTG, TOP, 7, HWE, 5.66 MIN/6.54 MAX CS 1 EA **Tools and Accessories** Type Make Depth Size Qty 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

	Fluid Data	
Stage/Plug #: 1		

Miscellaneous Materials

Conc

Conc

Acid Type

Sand Type

Qty

Size

Conc

Qty

%

Surfactant

Inhibitor

Summit Version: 7.3.0040

Conc

Conc

Gelling Agt

Treatment Fld

Cementing Job Summary

Fluid #	Stage T	уре	- <u>-</u> -	Fluid Name		<u>.</u>	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Flui m3/ tonne	d Rate m3/min	Total Mix Fluid m3/ tonne			
1 Rig Supplied Gel Spacer							30.00	bbl	8.33	.0	.0	.0				
2	Lead Cen	nent	ECON	OCEM (TM) SY	STEM (452	992)	150.0	sacks	13.6	1.54	7.31		7.31			
	0.4 %		HALAI	O(R)-9, 50 LB (1	00001617)											
	2 lbm		KOL-S	KOL-SEAL, 50 LB BAG (100064232)												
	2 %		BENT	ONITE, BULK (100003682)											
	7.307 Gal		FRES	H WATER												
3	Tail Ceme	ent	HALCEM (TM) SYSTEM (452986)				100.0	sacks	15.6	1.18	5.2		5.2			
0.4 % HALAD(R)-9, 50 LB (100001617)				00001617)												
	5.197 Gal		FRES	H WATER												
4	Displacer	nent					1,991.00	bbl	8.33	.0	.0	.0				
Ca	alculated \	Values		Pressui	'es				V	olumes						
Displa	cement	197	.7 Shut In: Instant		Lost Returns			Cement Slurry		62	Pad					
op O	f Cement	306	4 51	Vlin		Cement Returns		0	Actual Displacement		ent 19	3 Treatm	nent			
rac G	radient		15	Min		Spacers		30	Load and Breakdown		wn	Total	lob			
						F	Rates									
Circu	lating			Mixing	5		Displac	ement	6		Avg.	Job	5			
Cem	ent Left In	Pipe	Amou	nt 42 ft Rea	son Shoe	Joint										
Frac I	Ring # 1 @		ID	Frac ring # 2	@ 1	D	Frac Rin	g # 3 @	II) I	rac Ring	g # 4 @	ID			
Tł	ne Inform	ation	State	d Herein Is (Correct	Custor	ner Represe	entative S	Signature	'	0					

Summit Version: 7.3.0040

Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 305021 Sales Order #: 9807051 **Ship To #:** 2945740 Quote #: Customer: SANDRIDGE ENERGY INC EBUSINESS Customer Rep: Ivey, Ronnie Well #: 1-9H API/UWI #: 15-055-22174 Well Name: Lorimer 2330 City (SAP): GARDEN CITY County/Parish: Finney Field: State: Kansas Legal Description: Section 9 Township 23S Range 30W Rig/Platform Name/Num: 20 Contractor: Lariat Job Purpose: Cement Production Liner Well Type: Development Well Job Type: Cement Production Liner Sales Person: NGUYEN, VINH Srvc Supervisor: RALSTON. MBU ID Emp #: 496027 **NICHOLAS** Job Personnel Exp Hrs **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Emp# 427231 BERUMEN, 267804 GARCIA, DAVID 519312 HAGEE, MILES Killion **EDUARDO** 442596 RALSTON, NICHOLAS 496027 MENDOZA, VICTOR 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 Operating Date On Location Operating Date On Location Operating Hours Hours Hours Hours Hours Hours 9-11-12 6 3 TOTAL Total is the sum of each column separately **Job Times** Job Formation Name Date Time Time Zone Formation Depth (MD) Top Bottom Called Out 11 - Sep - 2012 10:00 CST Form Type BHST 11 - Sep - 2012 04:45 CST On Location Job depth MD 9242. ft Job Depth TVD 4959. ft Job Started 11 - Sep - 2012 19:28 CST Water Depth Wk Ht Above Floor 11 - Sep - 2012 20:46 GMT 5. ft Job Completed Perforation Depth (MD) From 11 - Sep - 2012 22:30 CST То Departed Loc **Well Data** Description New / Max Size ID Weight Thread Grade Top MD **Bottom** Top Bottom Used pressure lbm/ft MD **TVD TVD** in in ft ft ft psig ft 6.125" Open Hole 6.125 5244. 9196 4.5" Production Unknow 4.5 4. 11.6 LTC P-110 4842. 9196. Liner n 7" Intermediate Unknow 7. 6.276 26. LTC P-110 5244. Casing n 4" Drill Pipe Unknow 4. 3.34 14. Unknown 4842. n **Tools and Accessories** Type Make Depth Size Qty Size Qty Make Depth Size Qty Make Type Type **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** Surfactant Conc Conc Acid Type Qty Conc % Treatment Fld Sand Type Size Conc Inhibitor Conc Qty

Summit Version: 7.3.0040

Stage/Plug #: 1

Fluid Data

Cementing Job Summary

Fluid	id Stage Type			Fluid N		Qty	Qty	Mixing	Yield	Mix Fluid	Rate	Total Mix	
#								uom	Density Ibm/gal	ft3/sk	Gal/sk	bbl/min	Fluid Gal/sk
1	Rig Supplied Gel Spacer				30.00	bbl	8.3	.0	.0	.0			
2	Primary C	Cement	ECO	NOCEM (TM) SY	STEM (452	992)	450.0	sacks	13.6	1.54	7.36		7.36
	0.4 %		HALA	AD(R)-9, 50 LB (1	00001617)	•							
	2 lbm		KOL-	SEAL, BULK (10	0064233)								
	2 %			TONITE, BULK (1									
7.356 Gal FRESH WATER													
3	Displacer (TBC)	nent	ıt				113.00	bbl	8.33	.0	.0	.0	
C	alculated	Values		Pressur	es				V	olumes			
Displa	cement	113	3 Shut In: Instant		Lost Returns		N	Cement Slurry		450SK	(S Pad		
Тор О	f Cement	393	2 5	Min		Cement Returns		N	Actual Displacement		nt 104 Treat		ent
Frac G	Gradient		1	5 Min		Spacers		Υ	Load and Breakdown		vn	Total J	ob
						F	Rates						日本工作的
Circu	lating	5		Mixing	5		Displac	ement	5		Avg. J	ob	5
Cen	nent Left In	Pipe	Amo	unt 86.19 ft Rea	son Shoe	Joint							
Frac	Ring # 1 @	8	ID	Frac ring # 2	@	D	Frac Rin	g#3@	10) F	rac Ring	#4@	ID
TI	ne Inform	ation	State	ed Herein Is C	orrect	Custor	mer Represe	entative S	Signature				

Logo

Back to Well Completion

Lorimer 2330 1-9H (1093509)

Actions	Attachments		
View PDF	Two Year Confidentiality	View PDF	
Delete	OPERATOR	Delete	
Edit	Directional Survey	View PDF	
Certify & Submit	OPERATOR	Delete	
Request Confidentiality	As Drilled Plat	View PDF	
	OPERATOR OPERATOR	Delete	
	Cement Reports	View PDF	
	OPERATOR	Delete	
		Add Attachment	
Remarks Remarks to KCC			
Remarks		Ad	dd Remar
Tiffany Golay 12/05/012 07:07 Additional Fluid Mgmt Info am Lipscomb, TX 10-0992	o: 890 bbls hauled to Weinett Disposal I	LC, NW/4 Section 1079 B	lock 43