



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1170644
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: _____



1170644

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: <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
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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	Beth 3410 1-23H
Doc ID	1170644

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8825-9113	1500 gals 15% HCL, 6032 bbls slickwater, TLTR 4888 bbls	
5	8433-8740	1500 gals 15% HCL, 6022 bbls slickwater, TLTR 10081 bbls	
5	8066-8344	1500 gals 15% HCL, 6041 bbls slickwater, TLTR 15155 bbls	
5	7758-8018	1500 gals 15% HCL, 6082 bbls slickwater, TLTR 20125 bbls	
5	7338-7635	1500 gals 15% HCL, 5976 bbls slickwater, TLTR 24856 bbls	
5	7013-7255	1500 gals 15% HCL, 6116 bbls slickwater, TLTR 29881 bbls	
5	6562-6914	1500 gals 15% HCL, 5919 bbls slickwater, TLTR 34440 bbls	
5	6206-6464	1500 gals 15% HCL, 5990 bbls slickwater, TLTR 39980 bbls	
5	5868-6120	1500 gals 15% HCL, 5977 bbls slickwater, TLTR 44834 bbls	
5	5523-5780	1500 gals 15% HCL, 5971 bbls slickwater, TLTR 49881 bbls	

Form	ACO1 - Well Completion
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5082-5286	1500 gals 15% HCL, 4038 bbls slickwater, TLTR 53955 bbls	

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

November 27, 2013

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

Re: ACO1
API 15-007-24047-01-00
Beth 3410 1-23H
SW/4 Sec.23-34S-10W
Barber 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,
Chelsey Green

Standard Wellpath Report
 Sandridge
 Sec 23 - 34S - 10W, Kansas
 Barber County
 Wellbore: Beth 3410 1-23H (Actual)

Wellbore

Name	Created	Last Revised
Beth 3410 1-23H (Actual)	12-Aug-2013	3-Sep-2013

Well

Name	Government ID	Last Revised
Beth 3410 1-23H		12-Aug-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Beth 3410 1-23H	145290.9080	2034498.0240	N37 3 56.2514	W98 22 54.3928	203.90N	659.00E

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Barber County	2033839.0000	145087.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 23 - 34S - 10W	2033839.0000	145087.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

<p>FINAL SURVEYS: MD 9224 is a projection to bit @ TD</p>
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Standard Wellpath Report
Sandridge
Sec 23 - 34S - 10W, Kansas
Barber County
Wellbore: Beth 3410 1-23H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	2034498.02	145290.91
1051.00	0.70	282.300	1050.97	1.37N	6.27W	0.07	1.39	2034491.75	145292.28
1419.00	0.80	259.300	1418.94	1.37N	10.99W	0.09	1.41	2034487.03	145292.28
1880.00	0.80	271.800	1879.90	0.87N	17.37W	0.04	0.93	2034480.65	145291.78
2260.00	0.60	295.100	2259.87	1.80N	21.83W	0.09	1.87	2034476.20	145292.71
2735.00	0.30	289.200	2734.86	3.26N	25.25W	0.06	3.35	2034472.77	145294.17
3210.00	0.50	288.800	3209.84	4.34N	28.39W	0.04	4.44	2034469.63	145295.25
3685.00	0.50	248.200	3684.83	4.24N	32.28W	0.07	4.35	2034465.75	145295.15
3970.00	0.80	206.700	3969.81	2.00N	34.32W	0.19	2.11	2034463.70	145292.91
4001.00	0.60	212.800	4000.81	1.67N	34.51W	0.69	1.78	2034463.51	145292.58
4033.00	1.10	337.500	4032.81	1.81N	34.72W	4.76	1.93	2034463.31	145292.72
4065.00	3.40	357.100	4064.78	3.05N	34.88W	7.48	3.16	2034463.14	145293.95
4096.00	6.20	357.600	4095.67	5.64N	35.00W	9.03	5.75	2034463.02	145296.54
4128.00	8.60	358.800	4127.40	9.76N	35.12W	7.52	9.87	2034462.90	145300.66
4159.00	10.50	1.300	4157.97	14.90N	35.11W	6.27	15.01	2034462.92	145305.81
4191.00	12.60	3.800	4189.32	21.30N	34.81W	6.74	21.41	2034463.21	145312.20
4223.00	15.40	1.700	4220.36	29.03N	34.45W	8.89	29.14	2034463.57	145319.94
4254.00	18.20	0.500	4250.04	37.98N	34.29W	9.10	38.10	2034463.74	145328.89
4286.00	21.10	358.500	4280.17	48.74N	34.39W	9.30	48.86	2034463.63	145339.65
4318.00	23.80	358.200	4309.74	60.96N	34.75W	8.45	61.07	2034463.27	145351.87
4349.00	25.30	0.500	4337.94	73.83N	34.89W	5.74	73.95	2034463.14	145364.74
4381.00	27.60	2.000	4366.59	88.08N	34.57W	7.48	88.19	2034463.45	145378.99
4413.00	29.70	2.200	4394.67	103.41N	34.00W	6.57	103.52	2034464.02	145394.32
4444.00	31.10	3.400	4421.41	119.08N	33.24W	4.92	119.19	2034464.79	145409.99
4476.00	34.00	2.800	4448.38	136.27N	32.31W	9.12	136.37	2034465.71	145427.18
4508.00	36.80	1.900	4474.46	154.79N	31.55W	8.90	154.89	2034466.47	145445.70
4539.00	39.70	1.300	4498.80	173.97N	31.02W	9.43	174.07	2034467.00	145464.89
4571.00	42.50	1.300	4522.91	195.00N	30.54W	8.75	195.10	2034467.48	145485.91
4603.00	45.80	1.600	4545.87	217.28N	29.98W	10.33	217.38	2034468.05	145508.19
4634.00	48.70	2.000	4566.91	240.03N	29.26W	9.40	240.12	2034468.76	145530.95
4666.00	52.20	2.100	4587.29	264.68N	28.38W	10.94	264.77	2034469.65	145555.60
4698.00	55.20	1.900	4606.23	290.45N	27.48W	9.39	290.54	2034470.54	145581.37
4729.00	57.50	1.600	4623.40	316.24N	26.69W	7.46	316.33	2034471.33	145607.17
4761.00	60.10	1.700	4639.98	343.60N	25.90W	8.13	343.69	2034472.12	145634.53
4793.00	62.30	2.900	4655.40	371.62N	24.77W	7.62	371.70	2034473.25	145662.54
4824.00	64.70	3.200	4669.23	399.32N	23.30W	7.79	399.40	2034474.73	145690.25
4856.00	67.50	2.400	4682.19	428.54N	21.87W	9.04	428.61	2034476.15	145719.47
4888.00	70.80	1.800	4693.58	458.42N	20.78W	10.46	458.49	2034477.25	145749.35
4919.00	73.20	0.800	4703.16	487.89N	20.11W	8.33	487.96	2034477.91	145778.82
4951.00	75.60	0.800	4711.76	518.71N	19.68W	7.50	518.77	2034478.34	145809.64
4983.00	78.10	0.800	4719.04	549.86N	19.24W	7.81	549.92	2034478.78	145840.80
5014.00	80.50	0.800	4724.80	580.32N	18.82W	7.74	580.38	2034479.20	145871.25
5046.00	83.40	0.700	4729.28	612.00N	18.40W	9.07	612.06	2034479.62	145902.93
5078.00	85.80	0.900	4732.29	643.85N	17.96W	7.53	643.91	2034480.06	145934.79
5109.00	87.40	1.200	4734.13	674.79N	17.39W	5.25	674.84	2034480.63	145965.73
5141.00	87.50	1.200	4735.55	706.75N	16.72W	0.31	706.80	2034481.30	145997.69
5173.00	87.60	1.300	4736.92	738.71N	16.03W	0.44	738.76	2034482.00	146029.65
5204.00	87.80	0.900	4738.16	769.68N	15.43W	1.44	769.73	2034482.59	146060.62
5236.00	87.60	1.000	4739.45	801.65N	14.90W	0.70	801.70	2034483.12	146092.60
5268.00	87.80	0.800	4740.73	833.62N	14.40W	0.88	833.67	2034483.62	146124.57
5299.00	87.90	0.600	4741.89	864.60N	14.02W	0.72	864.64	2034484.00	146155.54
5331.00	88.20	0.300	4742.98	896.58N	13.77W	1.33	896.62	2034484.25	146187.53
5363.00	90.20	0.300	4743.43	928.57N	13.60W	6.25	928.61	2034484.42	146219.52
5381.00	90.80	0.300	4743.27	946.57N	13.51W	3.33	946.61	2034484.52	146237.52
5452.00	91.80	0.400	4741.66	1017.55N	13.07W	1.42	1017.59	2034484.95	146308.50
5544.00	91.70	0.800	4738.85	1109.50N	12.11W	0.45	1109.54	2034485.91	146400.46
5635.00	91.90	0.600	4735.99	1200.45N	11.00W	0.31	1200.48	2034487.02	146491.41
5727.00	91.00	0.200	4733.67	1292.42N	10.36W	1.07	1292.45	2034487.67	146583.38
5819.00	91.30	0.300	4731.82	1384.40N	9.96W	0.34	1384.43	2034488.07	146675.37
5910.00	91.70	1.300	4729.44	1475.36N	8.69W	1.18	1475.38	2034489.34	146766.33
6002.00	91.90	1.100	4726.55	1567.29N	6.76W	0.31	1567.31	2034491.26	146858.27
6094.00	91.30	0.600	4723.98	1659.25N	5.40W	0.85	1659.26	2034492.63	146950.23
6185.00	90.00	0.100	4722.95	1750.24N	4.84W	1.53	1750.24	2034493.18	147041.22
6277.00	91.10	359.500	4722.06	1842.23N	5.16W	1.36	1842.24	2034492.86	147133.22
6368.00	92.20	0.500	4719.44	1933.19N	5.16W	1.63	1933.20	2034492.86	147224.18
6460.00	92.90	1.300	4715.35	2025.09N	3.72W	1.15	2025.09	2034494.31	147316.08
6552.00	92.30	1.300	4711.18	2116.97N	1.63W	0.65	2116.96	2034496.39	147407.97
6644.00	92.10	0.000	4707.64	2208.89N	0.59W	1.43	2208.88	2034497.43	147499.90
6735.00	91.10	359.000	4705.10	2299.85N	1.38W	1.55	2299.84	2034496.64	147590.86
6827.00	91.50	358.700	4703.02	2391.81N	3.23W	0.54	2391.81	2034494.79	147682.82
6919.00	91.70	358.500	4700.45	2483.74N	5.48W	0.31	2483.75	2034492.55	147774.76
7010.00	90.80	358.700	4698.46	2574.69N	7.70W	1.01	2574.71	2034490.32	147865.71

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Beth 3410 1-23H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 359.810 degrees
Bottom hole distance is 4787.92 Feet on azimuth 359.88 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 3-Sep-2013

Standard Wellpath Report
Sandridge
Sec 23 - 34S - 10W, Kansas
Barber County
Wellbore: Beth 3410 1-23H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
7105.00	91.50	358.100	4696.56	2669.64N	10.35W	0.97	2669.66	2034487.67	147960.66
7200.00	91.20	358.900	4694.32	2764.58N	12.84W	0.90	2764.60	2034485.19	148055.61
7295.00	90.30	359.500	4693.07	2859.56N	14.16W	1.14	2859.59	2034483.86	148150.59
7390.00	90.60	359.600	4692.33	2954.55N	14.91W	0.33	2954.59	2034483.11	148245.59
7485.00	90.80	358.800	4691.17	3049.54N	16.24W	0.87	3049.57	2034481.79	148340.58
7580.00	90.60	359.700	4690.01	3144.52N	17.48W	0.97	3144.56	2034480.54	148435.56
7675.00	89.90	0.000	4689.59	3239.52N	17.73W	0.80	3239.56	2034480.29	148530.57
7770.00	90.30	0.200	4689.43	3334.52N	17.56W	0.47	3334.56	2034480.46	148625.57
7865.00	90.90	0.400	4688.43	3429.51N	17.07W	0.67	3429.55	2034480.96	148720.57
7960.00	91.40	0.600	4686.53	3524.49N	16.24W	0.57	3524.52	2034481.79	148815.55
8055.00	90.40	0.800	4685.03	3619.47N	15.08W	1.07	3619.50	2034482.95	148910.53
8150.00	90.60	360.000	4684.20	3714.46N	14.41W	0.87	3714.49	2034483.61	149005.53
8245.00	90.80	0.600	4683.04	3809.45N	13.92W	0.67	3809.48	2034484.11	149100.53
8340.00	89.80	1.200	4682.55	3904.44N	12.42W	1.23	3904.46	2034485.60	149195.51
8434.00	90.40	2.400	4682.38	3998.39N	9.47W	1.43	3998.40	2034488.55	149289.47
8529.00	90.70	2.000	4681.47	4093.31N	5.82W	0.53	4093.31	2034492.20	149384.40
8624.00	90.60	1.100	4680.39	4188.27N	3.25W	0.95	4188.26	2034494.77	149479.36
8719.00	92.30	1.200	4677.99	4283.22N	1.35W	1.79	4283.20	2034496.67	149574.31
8814.00	91.90	0.600	4674.51	4378.14N	0.14E	0.76	4378.12	2034498.17	149669.24
8909.00	90.80	359.800	4672.27	4473.11N	0.47E	1.43	4473.09	2034498.50	149764.22
9004.00	90.20	358.500	4671.44	4568.10N	0.94W	1.51	4568.07	2034497.09	149859.20
9099.00	90.30	357.600	4671.03	4663.04N	4.17W	0.95	4663.03	2034493.86	149954.15
9176.00	90.50	357.300	4670.49	4739.96N	7.59W	0.47	4739.96	2034490.43	150031.08
9224.00	90.50	357.300	4670.07	4787.91N	9.86W	==>	4787.91	2034488.17	150079.02

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Beth 3410 1-23H 0.00ft above Mean Sea Level)
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Bottom hole distance is 4787.92 Feet on azimuth 359.88 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 3-Sep-2013

Standard Wellpath Report
Sandridge
Sec 23 - 34S - 10W, Kansas
Barber County
Wellbore: Beth 3410 1-23H (Actual)

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Beth 3410 1-23H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 359.810 degrees
Bottom hole distance is 4787.92 Feet on azimuth 359.88 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 3-Sep-2013



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

TICKET

TICKET NUMBER: WY-99-1
 TICKET DATE: 08/18/2013

ELECTRONIC

SANDRIDGE ENERGY
 ***** DO NOT MAIL!!! *****
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: BETH 3410
 WELL#: 1-23H
 RIG #: Lariat 45
 Co/St: BARBER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
8/17-18/2013 DRILLED 30" CONDUCTOR HOLE			
8/17-18/2013 20" CONDUCTOR PIPE (.250 WALL)			
8/17-18/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
8/17-18/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
8/17-18/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
8/17-18/2013 16" CONDUCTOR PIPE (.250 WALL)			
8/17-18/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
8/17-18/2013 WELDING SERVICES FOR PIPE & LIDS			
8/17-18/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
8/17-18/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
8/17-18/2013 5 YARDS 10 SACK GROUT			
8/17-18/2013 TAXABLE ITEMS			3,600.00
8/17-18/2013 BID - TAXABLE ITEMS			12,650.00
			Sub Total:
			16,250.00
			Tax BARBER COUNTY (7.3 %):
			262.80
			TICKET TOTAL:
			<u>\$ 16,512.80</u>

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

Approved Signature _____

JOB SUMMARY			PROJECT NUMBER SOK 2989	TICKET DATE 08/21/13
COUNTY Barber	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Claude Hallmark	
LEASE NAME Beth 3410	Well No. 1-23H	JOB TYPE Surface	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME L. ARNEY					
M. QUINTANA					
D. TEWELL					
K. JOHNSON					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **900'**

	Called Out	On Location	Job Started	Job Completed
Date	8/20/2013	8/20/2013	8/21/2013	8/21/2013
Time	1400	2200	0154	0400

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

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9"		Surface	900'	1,600
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole				12 1/2"	Surface	900'	Shots/Ft.
Perforations							
Perforations							
Perforations							

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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/20	1.0	8/21	2.0	Surface
8/21	4.0			
Total	5.0	Total	2.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX 1,500 PSI	AVG. 200
Average Rates in BPM	
MAX 6 BPM	AVG 4
Cement Left in Pipe	
Feet 44	Reason SHOE JOINT

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	275	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/2pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	150	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary			
Preflush Breakdown	Type: MAXIMUM	Pressure: 1,500 PSI	Preflush: 10.00 Type: Fresh Water
	Lost Returns: N	Load & Bkdn: Gal - BBI	Pad: Bbl -Gal N/A
	Actual TOC: SURFACE	Excess /Return: BBI	Calc. Disp Bbl 64
Average ISIP 5 Min.	Bump Plug PSI: 850	Calc. TOC: SURFACE	Actual Disp. 63.00
	10 Min.	Final Circ. PSI	Disp: Bbl _____
	15 Min.	Cement Slurry: BBI	125.0
		Total Volume: BBI	198.00

CUSTOMER REPRESENTATIVE Bill Jordiff SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 2989	TICKET DATE 08/26/13
COUNTY Barber	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Bill Torbett	
LEASE NAME Beth 3410	Well No. 1-23H	JOB TYPE Intermediate	EMPLOYEE NAME NATHAN COTTA	

EMP NAME					
NATHAN COTTA		0			
VONTREY W					
ROCKY A					
WALLACE B					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5421**

	Called Out	On Location	Job Started	Job Completed
Date	8.26.13	8.26.13	8.26.13	8.26.13
Time	2000	130	547	730

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

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface	5,420	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/2"		Surface	5,421	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Water	BBL.	20
Spacer type	BBL.		8.40
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8.26.13	6.0	8.26.13	2.0	Intermediate
Total	6.0	Total	2.0	

Pressures	
MAX	5,000 PSI
AVG	250
Average Rates in BPM	
MAX	8 BPM
AVG	5
Cement Left in Pipe	
Feet	80
Reason	SHOE JOINT

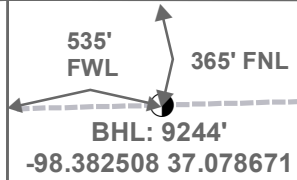
Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	50/50 POZ PREMIUM	4% Gel - 0.4% FL-17 - 0.2% C-51 - 0.1% C-20 - 0.1% C-37 - 0.5% C-41P	6.77	1.44	13.60
2	100	Premium	0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	_____	Type:	Preflush:	BBI	30.00
Breakdown	MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI	N/A
	Lost Returns-N	NO/FULL	Excess /Return	BBI	N/A
	Actual TOC	3.238	Calc. TOC:		3.238
Average	Bump Plug PSI:	1.400	Final Circ.	PSI:	820
5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI	12.0
			Total Volume	BBI	306.00

CUSTOMER REPRESENTATIVE *Bill Torbett* SIGNATURE

Section 15
34S 10W

Section 14
34S 10W



Bottom Perf: 8825'
-98.382506 37.077556

Section 22
34S 10W

Barber County

Section 23
34S 10W

Top Perf: 5082'
-98.382244 37.067401

Miss Entry: 4828'
-98.382242 37.066735

BETH 3410 1-23H



Section 27
34S 10W

Section 26
34S 10W



Actual Bottom-Hole Location of Beth 3410 1-23H
Barber County, Kansas
T&R: 34S 10W
Section: 23, 535' FWL & 365' FNL
-98.382508 37.078671

1 in = 667 ft

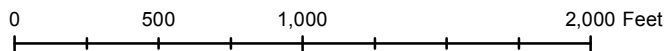


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 12/9/2013

Drawing Name/Number:

Addendum_Beth 3410 1-23H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502