



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1185105
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: _____

1185105

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> <input type="checkbox"/> Other <i>(Specify)</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	Owen 3119 1-14H
Doc ID	1185105

All Electric Logs Run

Mud
Resistivity
Porosity
Prizm

Standard Wellpath Report
 Sandridge
 Sec 14 - 31S - 19W, Kansas
 Comanche County
 Wellbore: Owen 3119 1-14H (Actual)

Wellbore

Name	Created	Last Revised
Owen 3119 1-14H (Actual)	17-Oct-2013	6-Nov-2013

Well

Name	Government ID	Last Revised
Owen 3119 1-14H		17-Oct-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Owen 3119 1-14H	246078.5350	1749572.8200	N37 20 21.5340	W99 21 40.9587	330.54N	666.83E

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Comanche County	1748906.0000	245748.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 14 - 31S - 19W	1748906.0000	245748.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

<p>FINAL SURVEYS: MD 7163 is a projection to bit @ TD</p>
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Standard Wellpath Report
Sandridge
Sec 14 - 31S - 19W, Kansas
Comanche County
Wellbore: Owen 3119 1-14H (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	1749572.82	246078.54
1233.00	0.30	192.000	1232.99	3.16S	0.67W	0.02	-3.17	1749572.15	246075.38
1417.00	0.40	140.000	1416.99	4.12S	0.36W	0.17	-4.13	1749572.46	246074.41
1783.00	0.30	237.800	1782.99	5.61S	0.35W	0.15	-5.62	1749572.47	246072.93
2257.00	0.80	199.200	2256.96	9.40S	2.49W	0.13	-9.44	1749570.33	246069.14
2732.00	0.10	151.800	2731.95	12.89S	3.38W	0.15	-12.96	1749569.44	246065.64
3206.00	0.30	162.100	3205.94	14.44S	2.80W	0.04	-14.49	1749570.02	246064.10
3681.00	0.40	181.000	3680.94	17.28S	2.45W	0.03	-17.32	1749570.37	246061.26
3734.00	0.20	174.800	3733.94	17.56S	2.45W	0.38	-17.60	1749570.37	246060.98
3776.00	0.20	181.900	3775.94	17.70S	2.44W	0.06	-17.75	1749570.38	246060.83
3807.00	1.00	350.900	3806.93	17.49S	2.49W	3.86	-17.54	1749570.33	246061.05
3839.00	2.50	2.600	3838.92	16.52S	2.50W	4.79	-16.56	1749570.32	246062.02
3871.00	3.00	4.300	3870.88	14.98S	2.40W	1.58	-15.03	1749570.42	246063.55
3966.00	2.90	3.400	3965.76	10.11S	2.08W	0.12	-10.15	1749570.74	246068.43
4061.00	2.60	0.800	4060.65	5.55S	1.90W	0.34	-5.59	1749570.92	246072.98
4156.00	2.30	358.500	4155.56	1.49S	1.92W	0.33	-1.53	1749570.90	246077.04
4219.00	2.00	0.800	4218.51	0.87N	1.94W	0.50	0.83	1749570.88	246079.40
4251.00	2.10	358.500	4250.49	2.01N	1.95W	0.40	1.98	1749570.87	246080.55
4282.00	4.00	352.500	4281.45	3.65N	2.10W	6.21	3.61	1749570.72	246082.19
4314.00	6.40	352.200	4313.31	6.53N	2.49W	7.50	6.48	1749570.33	246085.06
4346.00	8.80	355.200	4345.03	10.73N	2.94W	7.60	10.67	1749569.88	246089.27
4377.00	11.00	354.800	4375.57	16.04N	3.40W	7.10	15.97	1749569.42	246094.58
4409.00	13.00	355.700	4406.87	22.67N	3.95W	6.28	22.59	1749568.87	246101.21
4441.00	14.40	357.600	4437.96	30.24N	4.39W	4.59	30.15	1749568.43	246108.77
4472.00	16.20	358.800	4467.86	38.41N	4.64W	5.90	38.32	1749568.18	246116.95
4504.00	18.70	359.500	4498.38	48.01N	4.78W	7.84	47.91	1749568.04	246126.54
4536.00	21.60	359.500	4528.42	59.03N	4.87W	9.06	58.92	1749567.95	246137.56
4567.00	24.50	359.900	4556.94	71.17N	4.94W	9.37	71.06	1749567.88	246149.70
4599.00	27.20	0.100	4585.74	85.12N	4.93W	8.44	85.00	1749567.89	246163.65
4631.00	29.80	0.500	4613.86	100.38N	4.85W	8.15	100.27	1749567.97	246178.92
4662.00	32.50	0.100	4640.38	116.42N	4.77W	8.74	116.30	1749568.05	246194.95
4694.00	34.90	1.600	4667.01	134.17N	4.50W	7.94	134.05	1749568.32	246212.70
4725.00	37.20	2.700	4692.07	152.40N	3.81W	7.71	152.29	1749569.01	246230.93
4757.00	39.70	3.000	4717.13	172.27N	2.82W	7.83	172.18	1749570.00	246250.80
4789.00	42.50	2.400	4741.24	193.28N	1.83W	8.84	193.21	1749570.99	246271.81
4820.00	44.70	1.600	4763.69	214.64N	1.09W	7.32	214.58	1749571.73	246293.18
4852.00	47.00	1.200	4785.97	237.60N	0.53W	7.24	237.54	1749572.29	246316.13
4884.00	49.40	1.300	4807.30	261.44N	0.01W	7.50	261.39	1749572.81	246339.97
4915.00	51.70	0.800	4827.00	285.38N	0.43E	7.52	285.33	1749573.25	246363.91
4947.00	54.30	0.500	4846.25	310.93N	0.72E	8.16	310.88	1749573.54	246389.46
4979.00	56.80	0.500	4864.35	337.31N	0.95E	7.81	337.27	1749573.77	246415.84
5010.00	59.20	1.200	4880.78	363.60N	1.34E	7.98	363.55	1749574.16	246442.13
5042.00	61.70	2.000	4896.56	391.42N	2.12E	8.11	391.39	1749574.94	246469.95
5074.00	64.80	2.400	4910.96	419.97N	3.22E	9.75	419.95	1749576.04	246498.50
5105.00	67.20	2.300	4923.57	448.27N	4.38E	7.75	448.27	1749577.20	246526.79
5137.00	69.70	2.100	4935.32	478.01N	5.52E	7.83	478.02	1749578.34	246556.53
5169.00	72.80	1.900	4945.61	508.28N	6.58E	9.71	508.32	1749579.40	246586.81
5200.00	75.80	1.600	4954.00	538.11N	7.49E	9.72	538.15	1749580.31	246616.64
5232.00	78.60	1.900	4961.09	569.30N	8.44E	8.80	569.35	1749581.26	246647.82
5263.00	81.20	2.300	4966.52	599.79N	9.56E	8.48	599.87	1749582.38	246678.32
5295.00	83.00	2.000	4970.92	631.47N	10.75E	5.70	631.56	1749583.57	246709.99
5327.00	84.90	2.000	4974.29	663.27N	11.86E	5.94	663.37	1749584.68	246741.79
5358.00	87.50	2.000	4976.35	694.18N	12.94E	8.39	694.30	1749585.76	246772.70
5390.00	88.30	1.800	4977.52	726.14N	14.00E	2.58	726.27	1749586.82	246804.66
5422.00	88.40	1.700	4978.44	758.11N	14.98E	0.44	758.26	1749587.79	246836.63
5453.00	88.60	1.800	4979.25	789.09N	15.92E	0.72	789.25	1749588.74	246867.61
5485.00	88.60	1.700	4980.03	821.06N	16.90E	0.31	821.23	1749589.72	246899.58
5517.00	88.60	1.300	4980.82	853.04N	17.74E	1.25	853.22	1749590.56	246931.56
5548.00	88.70	1.100	4981.55	884.03N	18.38E	0.72	884.22	1749591.20	246962.55
5580.00	89.30	1.700	4982.10	916.01N	19.17E	2.65	916.21	1749591.99	246994.53
5612.00	89.40	1.100	4982.47	948.00N	19.95E	1.90	948.21	1749592.77	247026.52
5643.00	87.90	0.400	4983.20	978.99N	20.35E	5.34	979.20	1749593.17	247057.51
5675.00	87.80	0.400	4984.40	1010.96N	20.58E	0.31	1011.17	1749593.40	247089.48
5706.00	88.10	0.400	4985.51	1041.94N	20.79E	0.97	1042.15	1749593.61	247120.46
5772.00	88.70	0.100	4987.35	1107.92N	21.08E	1.02	1108.12	1749593.90	247186.43
5804.00	90.60	359.600	4987.55	1139.91N	21.00E	6.14	1140.11	1749593.82	247218.43
5835.00	90.60	360.000	4987.22	1170.91N	20.89E	1.29	1171.10	1749593.71	247249.43
5867.00	90.40	0.800	4986.94	1202.91N	21.11E	2.58	1203.09	1749593.93	247281.43
5899.00	90.30	0.900	4986.75	1234.90N	21.59E	0.44	1235.09	1749594.41	247313.42
5930.00	89.70	2.600	4986.75	1265.89N	22.53E	5.82	1266.09	1749595.35	247344.40
5962.00	88.90	2.300	4987.14	1297.86N	23.90E	2.67	1298.08	1749596.72	247376.37
5994.00	89.00	1.600	4987.72	1329.83N	24.99E	2.21	1330.07	1749597.81	247408.35

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Owen 3119 1-14H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 1.130 degrees
Bottom hole distance is 2497.97 Feet on azimuth 0.88 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 6-Nov-2013

Standard Wellpath Report
Sandridge
Sec 14 - 31S - 19W, Kansas
Comanche County
Wellbore: Owen 3119 1-14H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6025.00	90.70	1.600	4987.80	1360.82N	25.86E	5.48	1361.07	1749598.68	247439.33
6057.00	91.00	1.900	4987.33	1392.80N	26.83E	1.33	1393.06	1749599.65	247471.31
6089.00	91.00	1.800	4986.77	1424.78N	27.87E	0.31	1425.05	1749600.69	247503.29
6120.00	90.70	1.100	4986.31	1455.77N	28.65E	2.46	1456.05	1749601.47	247534.28
6152.00	90.50	1.300	4985.98	1487.76N	29.32E	0.88	1488.05	1749602.14	247566.27
6184.00	90.50	1.000	4985.70	1519.75N	29.96E	0.94	1520.05	1749602.78	247598.26
6215.00	90.50	0.600	4985.43	1550.75N	30.40E	1.29	1551.04	1749603.22	247629.26
6247.00	90.20	0.600	4985.23	1582.74N	30.73E	0.94	1583.04	1749603.55	247661.25
6279.00	89.80	360.000	4985.23	1614.74N	30.90E	2.25	1615.04	1749603.72	247693.25
6310.00	90.20	0.100	4985.23	1645.74N	30.93E	1.33	1646.03	1749603.74	247724.25
6342.00	88.80	358.500	4985.51	1677.74N	30.53E	6.64	1678.01	1749603.35	247756.25
6374.00	87.10	356.700	4986.66	1709.69N	29.20E	7.73	1709.93	1749602.02	247788.19
6405.00	86.90	355.900	4988.28	1740.58N	27.20E	2.66	1740.78	1749600.02	247819.09
6437.00	88.00	357.000	4989.70	1772.48N	25.22E	4.86	1772.64	1749598.04	247850.99
6469.00	88.60	358.500	4990.65	1804.44N	23.96E	5.05	1804.57	1749596.78	247882.95
6500.00	88.70	358.400	4991.38	1835.42N	23.12E	0.46	1835.52	1749595.94	247913.93
6532.00	90.00	359.200	4991.74	1867.41N	22.45E	4.77	1867.50	1749595.27	247945.92
6563.00	90.50	359.500	4991.61	1898.41N	22.10E	1.88	1898.48	1749594.92	247976.92
6595.00	91.80	0.700	4990.97	1930.40N	22.16E	5.53	1930.47	1749594.98	248008.91
6627.00	92.10	0.700	4989.88	1962.38N	22.55E	0.94	1962.45	1749595.37	248040.89
6658.00	91.80	0.300	4988.82	1993.36N	22.82E	1.61	1993.43	1749595.64	248071.87
6690.00	91.60	1.400	4987.87	2025.35N	23.29E	3.49	2025.41	1749596.11	248103.85
6722.00	91.20	1.400	4987.09	2057.33N	24.08E	1.25	2057.40	1749596.90	248135.83
6753.00	92.90	2.000	4985.98	2088.29N	24.99E	5.81	2088.38	1749597.81	248166.80
6785.00	93.90	2.000	4984.09	2120.22N	26.11E	3.12	2120.32	1749598.93	248198.72
6817.00	93.10	1.400	4982.13	2152.14N	27.06E	3.12	2152.26	1749599.88	248230.64
6848.00	93.00	0.900	4980.48	2183.09N	27.68E	1.64	2183.21	1749600.50	248261.59
6880.00	93.30	0.700	4978.72	2215.04N	28.12E	1.13	2215.16	1749600.94	248293.54
6911.00	92.80	2.300	4977.07	2245.98N	28.93E	5.40	2246.12	1749601.75	248324.48
6943.00	93.70	2.600	4975.26	2277.90N	30.30E	2.96	2278.06	1749603.12	248356.40
6974.00	92.20	2.800	4973.66	2308.83N	31.76E	4.88	2309.01	1749604.58	248387.33
7006.00	91.40	2.300	4972.66	2340.78N	33.18E	2.95	2340.98	1749606.00	248419.28
7038.00	91.30	1.900	4971.91	2372.75N	34.35E	1.29	2372.97	1749607.17	248451.25
7068.00	89.70	2.200	4971.64	2402.73N	35.43E	5.43	2402.96	1749608.25	248481.23
7114.00	89.40	1.500	4972.01	2448.70N	36.91E	1.66	2448.95	1749609.73	248527.20
7163.00	89.40	1.500	4972.52	2497.68N	38.19E	==>	2497.95	1749611.01	248576.18

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Vertical Section is from 0.00N 0.00E on azimuth 1.130 degrees
Bottom hole distance is 2497.97 Feet on azimuth 0.88 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 6-Nov-2013

Standard Wellpath Report
Sandridge
Sec 14 - 31S - 19W, Kansas
Comanche County
Wellbore: Owen 3119 1-14H (Actual)

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Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 6-Nov-2013



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

TICKET

TICKET NUMBER: WY-137-1
 TICKET DATE: 10/17/2013

ELECTRONIC

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

YARD: WY WAYNOKA OK
 LEASE: Owens 3119
 WELL#: 1-14H
 RIG #: Lariat 45
 Co/St: COMANCHE, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
10/16-17/2013 DRILLED 30" CONDUCTOR HOLE			
10/16-17/2013 20" CONDUCTOR PIPE (.250 WALL)			
10/16-17/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
10/16-17/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
10/16-17/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
10/16-17/2013 16" CONDUCTOR PIPE (.250 WALL)			
10/16-17/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
10/16-17/2013 WELDING SERVICES FOR PIPE & LIDS			
10/16-17/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
10/16-17/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
10/16-17/2013 8 YDS 10 SACK GROUT			6,180.00
10/16-17/2013 TAXABLE ITEMS			15.07
10/16-17/2013 BID - TAXABLE ITEMS			
		Sub Total:	6,195.07
		Tax COMANCHE COUNTY (6.15 %):	380.07
		TICKET TOTAL:	<u>\$ 6,575.14</u>

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

Approved Signature _____

JOB SUMMARY			PROJECT NUMBER SOK 3122	TICKET DATE 10/23/13
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Bill Torbett	
LEASE NAME Owen 3119	Well No. 1-14H	JOB TYPE Surface	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME					
L. ARNEY		0			
M. QUINTANA					
D. TEWELL					
S. WOODS					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000

Date	Called Out	On Location	Job Started	Job Completed
	10/23/2013	10/23/2013	10/23/2013	10/23/2013
Time	1500	1800	2154	2359

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

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		36#	9 1/2"		Surface	1,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	1,000
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	Fresh Water BBL.		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	
10/23	6.0	10/23	1.0	Surface
Total	6.0	Total	1.0	

Pressures			
MAX	1,500 PSI	AVG.	200
Average Rates in BPM			
MAX	6 BPM	AVG	4
Cement Left in Pipe			
Feet	46	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	275	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	11.11	2.01	12.40
2	165	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps 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: _____	Preflush: BBI	10.00	Type: Fresh Water		
		MAXIMUM	1,500 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBI	26	Calc. Disp Bbl	73
		Actual TOC	SURFACE	Calc. TOC:	SURFACE	Actual Disp.	73.00
Average		Bump Plug PSI:	P2	Final Circ. PSI:	400	Disp:Bbl	
ISIF	5 Min.	10 Min.	15 Min.	Cement Slurry: BBI	129.0		
				Total Volume	BBI	212.00	

CUSTOMER REPRESENTATIVE Bill Torbett SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 3154	TICKET DATE 11/02/13
COUNTY Comanche	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Bill Torbett	
LEASE NAME Owen 3119	Well No. 1-14H	JOB TYPE Intermediate	EMPLOYEE NAME Daniel Wells	

EMP NAME					
Daniel Wells		0			
Scott Woods					
Rocky Anthis					
David Settlemier					

Form. Name _____ Type: _____

Packer Type _____ Set At **3,784**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5686**

Date	Called Out	On Location	Job Started	Job Completed
	11/2/2013	11/2/2013	11/2/2013	11/2/2013
Time	1000	1500	1715	1855

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

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/2"		Surface	5,686	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	8.33
Spacer type	Caustic	BBL.	10	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 _____

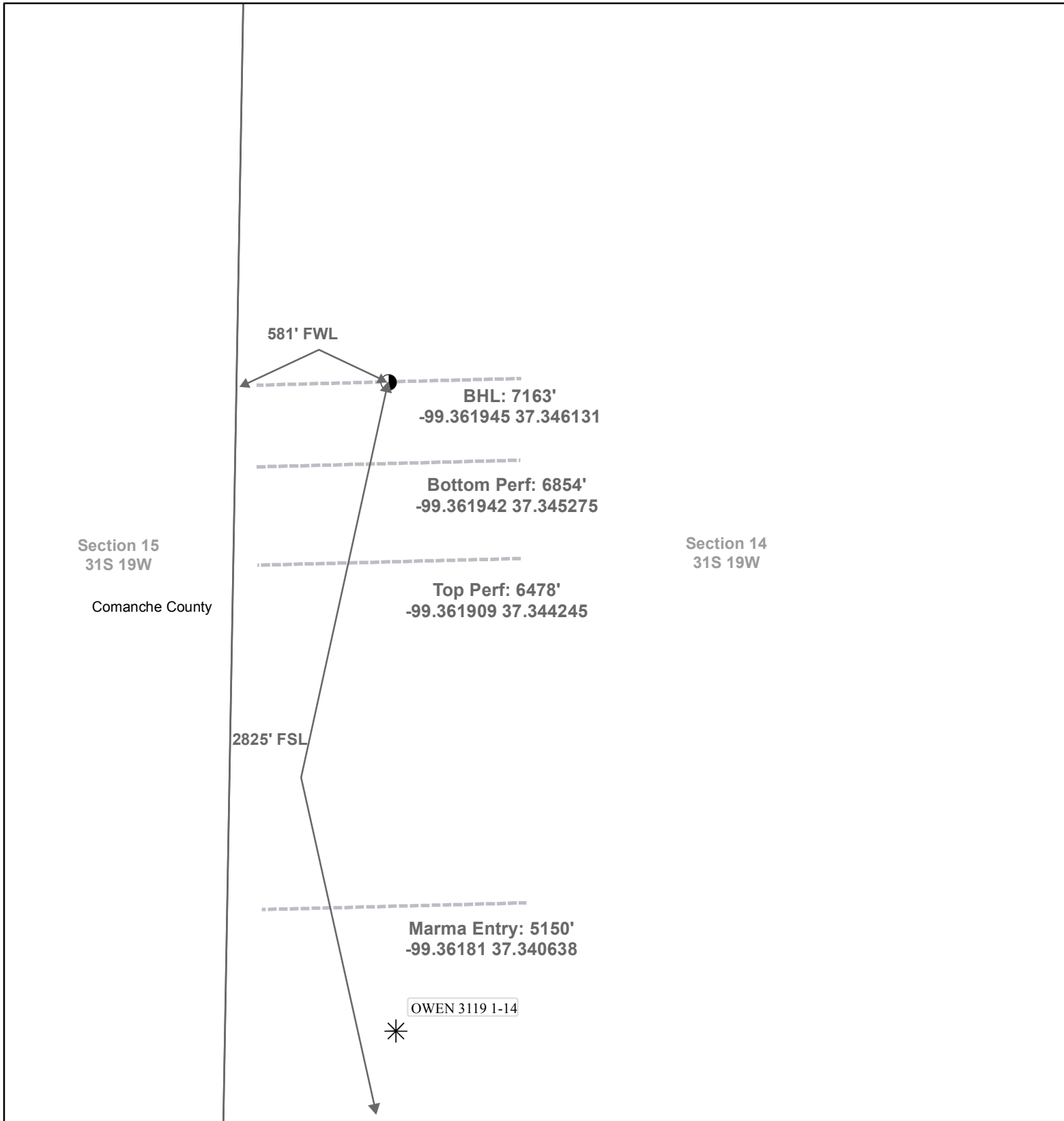
Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
11/2	4.0	11/2	1.5	Intermediate
Total	4.0	Total	1.5	

Pressures	
MAX 5,000 PSI	AVG 220
Average Rates in BPM	
MAX 8 BPM	AVG 5
Cement Left in Pipe	
Feet 89.55'	Reason SHOE JOINT

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives			
1	150	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.4% C-41P	6.93	1.43	13.60
2	100	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	16.60

Summary			
Preflush Breakdown	10	Type: Caustic	Preflush: BBI
		MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI
		Lost Returns-N	Excess /Return BBI
		Actual TOC 3531.2'	Calc. TOC: 3531.2'
Average		Bump Plug PSI: 1.250	Final Circ. PSI: 600
ISIP 5 Min.		10 Min 15 Min	Cement Slurry: BBI
			Total Volume BBI
			306.07

CUSTOMER REPRESENTATIVE Clark Heller SIGNATURE



Section 15
31S 19W
Comanche County

Section 14
31S 19W

Section 22
31S 19W

Section 23
31S 19W

2825' FSL

581' FWL

BHL: 7163'
-99.361945 37.346131

Bottom Perf: 6854'
-99.361942 37.345275

Top Perf: 6478'
-99.361909 37.344245

Marma Entry: 5150'
-99.36181 37.340638

OWEN 3119 1-14



Actual Bottom-Hole Location of Owen 3119 1-14H
T&R: 31S 19W
Section: 14, 581' FWL & 2825' FSL
-99.361945 37.346131

1 in = 500 ft



● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

0 500 1,000 2,000 Feet

Draftsman:

Aaron Birk

Draft Date: 2/7/2014

Drawing Name/Number:

Addendum_Owen 3119 1-14H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502