



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1170233  
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: \_\_\_\_\_

1170233

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Job Number: 13141214  
 Company: Source Energy Midcon LLC  
 Lease/Well: Busenitz 13-14-13-11H  
 Location: Benton Kansas  
 Rig Name: HWD # 7  
 RKB:  
 G.L. or M.S.L.:

State/Country: Kansas  
 Declination:  
 Grid:  
 File name: C:\USERS\VENGAS~1\DESKTOP\BUSENI~1\WINSURV  
 Date/Time: 29-Oct-13 / 09:26  
 Curve Name:

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 359.93  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
348.00	.40	18.80	348.00	1.15	.39	1.15	1.21	18.80	.11
436.00	.40	36.10	436.00	1.69	.67	1.69	1.82	21.68	.14
524.00	.40	29.90	523.99	2.20	1.01	2.20	2.42	24.53	.05
610.00	.30	41.90	609.99	2.63	1.31	2.63	2.94	26.39	.14
698.00	.40	19.50	697.99	3.09	1.56	3.09	3.46	26.80	.19
784.00	.10	344.50	783.99	3.45	1.64	3.45	3.82	25.47	.38
870.00	.20	343.10	869.99	3.66	1.58	3.66	3.99	23.31	.12
957.00	.40	325.70	956.99	4.06	1.36	4.06	4.28	18.56	.25
1043.00	.40	341.20	1042.99	4.59	1.10	4.59	4.72	13.44	.13
1130.00	.20	266.90	1129.98	4.87	.85	4.87	4.94	9.87	.46
1216.00	.40	195.80	1215.98	4.57	.62	4.57	4.62	7.67	.45
1303.00	.50	192.10	1302.98	3.91	.45	3.91	3.94	6.62	.12
1390.00	.60	201.30	1389.98	3.12	.21	3.11	3.12	3.84	.15
1477.00	.70	192.50	1476.97	2.17	-.07	2.17	2.17	358.11	.16
1563.00	.70	212.40	1562.96	1.22	-.47	1.22	1.30	338.99	.28
1650.00	.60	204.50	1649.96	.35	-.94	.35	1.00	290.53	.15
1736.00	.60	194.10	1735.95	-.49	-1.24	-.49	1.33	248.22	.13
1823.00	.40	189.90	1822.95	-1.24	-1.40	-1.23	1.87	228.58	.23
1910.00	.40	199.40	1909.95	-1.82	-1.55	-1.82	2.39	220.47	.08
1997.00	.40	189.20	1996.95	-2.41	-1.70	-2.40	2.95	215.27	.08
2042.00	.40	236.80	2041.95	-2.65	-1.86	-2.65	3.24	215.07	.72
2083.00	3.40	341.40	2082.92	-1.57	-2.37	-1.57	2.84	236.38	8.59
2127.00	7.30	345.10	2126.72	2.37	-3.50	2.37	4.23	304.04	8.89
2170.00	10.90	345.40	2169.17	8.94	-5.23	8.95	10.36	329.68	8.37
2213.00	14.20	343.50	2211.14	17.94	-7.75	17.95	19.54	336.62	7.73

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2257.00	17.60	343.10	2253.45	29.48	-11.22	29.49	31.54	339.16	7.73
2300.00	22.10	343.70	2293.89	43.47	-15.38	43.49	46.11	340.51	10.48
2343.00	26.50	345.80	2333.07	60.54	-20.01	60.57	63.76	341.71	10.43
2387.00	30.40	348.80	2371.75	80.99	-24.58	81.02	84.64	343.12	9.44
2430.00	32.80	352.10	2408.37	103.20	-28.30	103.24	107.01	344.67	6.88
2474.00	35.30	356.30	2444.83	127.70	-30.76	127.74	131.35	346.46	7.80
2517.00	40.60	355.40	2478.73	154.06	-32.68	154.10	157.49	348.02	12.39
2560.00	47.30	353.90	2509.67	183.76	-35.49	183.80	187.15	349.07	15.77
2604.00	54.90	354.90	2537.28	217.81	-38.81	217.86	221.24	349.90	17.36
2647.00	60.00	357.70	2560.41	253.97	-41.12	254.02	257.27	350.80	13.07
2690.00	62.40	359.00	2581.12	291.63	-42.20	291.68	294.66	351.77	6.18
2733.00	64.60	359.50	2600.31	330.10	-42.70	330.16	332.85	352.63	5.22
2777.00	67.40	.20	2618.20	370.30	-42.81	370.35	372.76	353.41	6.53
2819.00	69.30	.70	2633.70	409.33	-42.50	409.38	411.53	354.07	4.66
2862.00	69.70	.50	2648.76	449.60	-42.08	449.65	451.57	354.65	1.03
2906.00	73.10	.20	2662.79	491.30	-41.82	491.35	493.08	355.13	7.75
2950.00	78.80	358.30	2673.47	533.96	-42.39	534.01	535.64	355.46	13.61
2993.00	80.70	357.70	2681.12	576.24	-43.87	576.30	577.91	355.65	4.63
3036.00	83.10	357.90	2687.18	618.78	-45.50	618.84	620.45	355.79	5.60
3079.00	84.90	358.80	2691.67	661.53	-46.73	661.58	663.17	355.96	4.67
3121.00	85.80	358.80	2695.08	703.38	-47.61	703.44	704.99	356.13	2.14
3165.00	88.00	358.80	2697.46	747.30	-48.53	747.36	748.88	356.28	5.00
3208.00	91.20	358.10	2697.76	790.28	-49.69	790.34	791.84	356.40	7.62
3258.00	92.34	358.02	2696.21	840.23	-51.38	840.29	841.79	356.50	2.29
3301.00	91.86	357.53	2694.64	883.16	-53.05	883.23	884.76	356.56	1.59
3344.00	90.52	357.70	2693.74	926.12	-54.84	926.18	927.74	356.61	3.14
3388.00	90.41	357.65	2693.39	970.08	-56.63	970.15	971.73	356.66	.27
3431.00	90.72	358.16	2692.96	1013.05	-58.20	1013.12	1014.72	356.71	1.39
3474.00	90.48	358.70	2692.51	1056.03	-59.38	1056.10	1057.70	356.78	1.37
3517.00	89.76	358.74	2692.42	1099.02	-60.34	1099.09	1100.67	356.86	1.68
3561.00	90.14	359.53	2692.46	1143.01	-61.00	1143.09	1144.64	356.95	1.99
3604.00	90.10	.54	2692.37	1186.01	-60.97	1186.08	1187.58	357.06	2.35
3647.00	89.83	.85	2692.40	1229.01	-60.45	1229.08	1230.49	357.18	.96
3690.00	90.41	1.89	2692.31	1271.99	-59.42	1272.07	1273.38	357.33	2.77
3733.00	89.97	2.53	2692.16	1314.96	-57.77	1315.03	1316.23	357.48	1.81
3777.00	89.62	3.21	2692.32	1358.91	-55.56	1358.97	1360.04	357.66	1.74
3820.00	89.86	3.65	2692.52	1401.83	-52.99	1401.89	1402.83	357.84	1.17
3863.00	89.55	2.70	2692.74	1444.76	-50.61	1444.82	1445.65	357.99	2.32
3907.00	89.72	2.76	2693.02	1488.71	-48.51	1488.77	1489.50	358.13	.41
3950.00	90.14	2.57	2693.07	1531.66	-46.51	1531.72	1532.37	358.26	1.07
3993.00	89.90	3.06	2693.06	1574.61	-44.40	1574.67	1575.24	358.38	1.27
4036.00	90.03	2.75	2693.08	1617.56	-42.22	1617.61	1618.11	358.50	.78
4080.00	90.03	3.31	2693.06	1661.50	-39.90	1661.54	1661.97	358.62	1.27
4110.00	89.93	2.91	2693.07	1691.45	-38.27	1691.50	1691.88	358.70	1.37
4141.00	90.21	3.00	2693.03	1722.41	-36.67	1722.45	1722.80	358.78	.95

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth				C L O S U R E		Dogleg Severity Deg/100
				N-S FT	E-W FT	Vertical Section FT	Distance FT	Direction Deg	
4171.00	90.00	2.81	2692.98	1752.37	-35.15	1752.41	1752.72	358.85	.94
4201.00	91.17	4.36	2692.67	1782.31	-33.28	1782.35	1782.62	358.93	6.47
4232.00	91.10	5.72	2692.06	1813.18	-30.55	1813.22	1813.44	359.03	4.39
4263.00	91.38	7.30	2691.39	1843.97	-27.04	1844.01	1844.17	359.16	5.18
4293.00	90.58	8.01	2690.87	1873.70	-23.04	1873.73	1873.84	359.30	3.57
4324.00	90.65	7.76	2690.54	1904.41	-18.79	1904.43	1904.50	359.43	.84
4354.00	90.28	6.75	2690.30	1934.17	-15.00	1934.18	1934.22	359.56	3.59
4385.00	90.76	5.78	2690.02	1964.98	-11.62	1964.99	1965.01	359.66	3.49
4415.00	91.27	4.32	2689.48	1994.86	-8.98	1994.87	1994.88	359.74	5.15
4445.00	91.62	2.79	2688.73	2024.79	-7.12	2024.80	2024.80	359.80	5.23
4476.00	90.65	.91	2688.11	2055.76	-6.12	2055.77	2055.77	359.83	6.82
4506.00	89.72	.60	2688.02	2085.76	-5.72	2085.77	2085.77	359.84	3.27
4537.00	88.04	359.23	2688.62	2116.75	-5.77	2116.76	2116.76	359.84	6.99
4567.00	88.97	359.10	2689.40	2146.74	-6.21	2146.75	2146.75	359.83	3.13
4597.00	89.21	358.97	2689.88	2176.73	-6.71	2176.74	2176.74	359.82	.91
4627.00	88.93	359.20	2690.37	2206.72	-7.19	2206.73	2206.74	359.81	1.21
4658.00	88.69	358.38	2691.01	2237.71	-7.85	2237.72	2237.72	359.80	2.76
4689.00	88.73	357.66	2691.71	2268.68	-8.92	2268.69	2268.70	359.77	2.33
4719.00	89.00	357.57	2692.30	2298.65	-10.16	2298.66	2298.67	359.75	.95
4750.00	89.38	357.87	2692.74	2329.62	-11.40	2329.64	2329.65	359.72	1.56
4780.00	88.49	357.29	2693.30	2359.59	-12.66	2359.61	2359.63	359.69	3.54
4811.00	89.76	356.61	2693.77	2390.54	-14.31	2390.56	2390.59	359.66	4.65
4841.00	89.07	356.51	2694.08	2420.49	-16.11	2420.51	2420.54	359.62	2.32
4871.00	89.31	356.89	2694.50	2450.44	-17.84	2450.45	2450.50	359.58	1.50
4902.00	89.24	357.04	2694.90	2481.39	-19.48	2481.41	2481.47	359.55	.53
4931.00	88.73	356.69	2695.41	2510.34	-21.07	2510.36	2510.43	359.52	2.13
4961.00	88.90	356.72	2696.03	2540.28	-22.79	2540.31	2540.39	359.49	.58
4992.00	89.11	357.06	2696.57	2571.23	-24.47	2571.26	2571.35	359.45	1.29
5022.00	88.80	356.80	2697.12	2601.19	-26.08	2601.22	2601.32	359.43	1.35
5053.00	88.62	357.76	2697.81	2632.14	-27.55	2632.18	2632.29	359.40	3.15
5083.00	88.87	358.16	2698.47	2662.12	-28.62	2662.15	2662.27	359.38	1.57
5114.00	89.00	358.92	2699.05	2693.10	-29.41	2693.14	2693.26	359.37	2.49
5145.00	89.24	.14	2699.52	2724.10	-29.66	2724.13	2724.26	359.38	4.01
5175.00	89.35	.86	2699.89	2754.09	-29.40	2754.13	2754.25	359.39	2.43
5205.00	89.79	.52	2700.12	2784.09	-29.04	2784.12	2784.24	359.40	1.85
5235.00	90.24	1.43	2700.11	2814.08	-28.53	2814.12	2814.23	359.42	3.38
5266.00	91.31	1.54	2699.69	2845.07	-27.72	2845.10	2845.21	359.44	3.47
5296.00	91.65	1.60	2698.92	2875.05	-26.90	2875.08	2875.18	359.46	1.15
5327.00	91.62	1.30	2698.03	2906.03	-26.12	2906.06	2906.14	359.49	.97
5358.00	91.89	1.63	2697.08	2937.00	-25.33	2937.03	2937.11	359.51	1.38
5376.00	92.34	1.32	2696.42	2954.98	-24.86	2955.01	2955.09	359.52	3.04
5419.00	91.10	1.22	2695.13	2997.95	-23.91	2997.98	2998.05	359.54	2.89
5462.00	90.03	.12	2694.70	3040.95	-23.41	3040.97	3041.04	359.56	3.57
5506.00	90.34	359.99	2694.56	3084.95	-23.37	3084.97	3085.04	359.57	.76
5549.00	90.24	359.61	2694.34	3127.95	-23.52	3127.97	3128.03	359.57	.91

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
5592.00	91.10	359.23	2693.84	3170.94	-23.95	3170.97	3171.03	359.57	2.19
5636.00	90.24	358.83	2693.33	3214.93	-24.70	3214.96	3215.03	359.56	2.16
5679.00	90.17	357.79	2693.17	3257.91	-25.96	3257.94	3258.01	359.54	2.42
5721.00	90.34	357.82	2692.98	3299.88	-27.57	3299.91	3299.99	359.52	.41
5764.00	90.24	356.77	2692.77	3342.83	-29.60	3342.86	3342.96	359.49	2.45
5808.00	91.20	357.17	2692.21	3386.76	-31.93	3386.80	3386.92	359.46	2.36
5851.00	90.52	357.16	2691.57	3429.71	-34.05	3429.75	3429.88	359.43	1.58
5895.00	90.93	356.77	2691.01	3473.64	-36.38	3473.68	3473.83	359.40	1.29
5938.00	87.35	355.82	2691.66	3516.54	-39.16	3516.58	3516.76	359.36	8.61
5980.00	88.62	355.06	2693.13	3558.38	-42.50	3558.43	3558.63	359.32	3.52
6023.00	90.38	354.44	2693.51	3601.20	-46.43	3601.25	3601.49	359.26	4.34
6066.00	90.03	354.31	2693.36	3643.99	-50.65	3644.05	3644.34	359.20	.87
6109.00	91.44	357.46	2692.80	3686.87	-53.73	3686.93	3687.26	359.17	8.03
6140.00	91.51	358.96	2692.01	3717.84	-54.70	3717.91	3718.24	359.16	4.84
6171.00	90.69	359.18	2691.41	3748.83	-55.20	3748.90	3749.24	359.16	2.74
6201.00	89.52	359.32	2691.36	3778.83	-55.60	3778.89	3779.24	359.16	3.93
6232.00	89.11	359.61	2691.73	3809.82	-55.89	3809.89	3810.23	359.16	1.62
6262.00	89.31	359.62	2692.14	3839.82	-56.09	3839.89	3840.23	359.16	.67
6292.00	89.31	359.78	2692.50	3869.82	-56.24	3869.88	3870.23	359.17	.53
6322.00	88.80	359.55	2693.00	3899.81	-56.42	3899.88	3900.22	359.17	1.86
6353.00	89.07	359.96	2693.57	3930.81	-56.55	3930.87	3931.21	359.18	1.58
6383.00	89.52	.39	2693.94	3960.80	-56.46	3960.87	3961.21	359.18	2.07
6414.00	90.65	.87	2693.89	3991.80	-56.12	3991.87	3992.20	359.19	3.96
6444.00	90.14	.93	2693.69	4021.80	-55.65	4021.86	4022.18	359.21	1.71
6474.00	90.00	.92	2693.65	4051.79	-55.16	4051.86	4052.17	359.22	.47
6505.00	90.03	1.08	2693.64	4082.79	-54.62	4082.85	4083.15	359.23	.53
6535.00	90.10	1.03	2693.61	4112.78	-54.07	4112.85	4113.14	359.25	.29
6565.00	90.10	1.45	2693.56	4142.78	-53.42	4142.84	4143.12	359.26	1.40
6595.00	89.93	1.43	2693.55	4172.77	-52.67	4172.83	4173.10	359.28	.57
6625.00	90.38	1.70	2693.47	4202.76	-51.85	4202.82	4203.08	359.29	1.75
6656.00	90.31	2.15	2693.28	4233.74	-50.81	4233.80	4234.04	359.31	1.47
6686.00	90.21	2.02	2693.15	4263.72	-49.72	4263.78	4264.01	359.33	.55
6717.00	90.45	1.81	2692.97	4294.70	-48.68	4294.76	4294.98	359.35	1.03
6748.00	90.62	1.90	2692.68	4325.68	-47.68	4325.74	4325.95	359.37	.62
6778.00	90.62	2.24	2692.35	4355.66	-46.59	4355.71	4355.91	359.39	1.13
6807.00	90.45	2.16	2692.08	4384.64	-45.48	4384.69	4384.87	359.41	.65
6837.00	90.62	2.27	2691.80	4414.61	-44.32	4414.67	4414.84	359.42	.67
6868.00	90.34	2.15	2691.54	4445.59	-43.12	4445.64	4445.80	359.44	.98
6898.00	90.65	1.61	2691.28	4475.57	-42.14	4475.62	4475.77	359.46	2.08
6929.00	90.65	1.87	2690.93	4506.56	-41.20	4506.60	4506.74	359.48	.84
6960.00	90.62	1.27	2690.59	4537.54	-40.35	4537.59	4537.72	359.49	1.94
6990.00	90.65	1.69	2690.26	4567.53	-39.58	4567.58	4567.70	359.50	1.40
7021.00	90.38	1.22	2689.98	4598.52	-38.79	4598.56	4598.68	359.52	1.75
7051.00	90.69	1.28	2689.70	4628.51	-38.13	4628.55	4628.67	359.53	1.05
7082.00	90.79	.91	2689.30	4659.50	-37.54	4659.55	4659.65	359.54	1.24

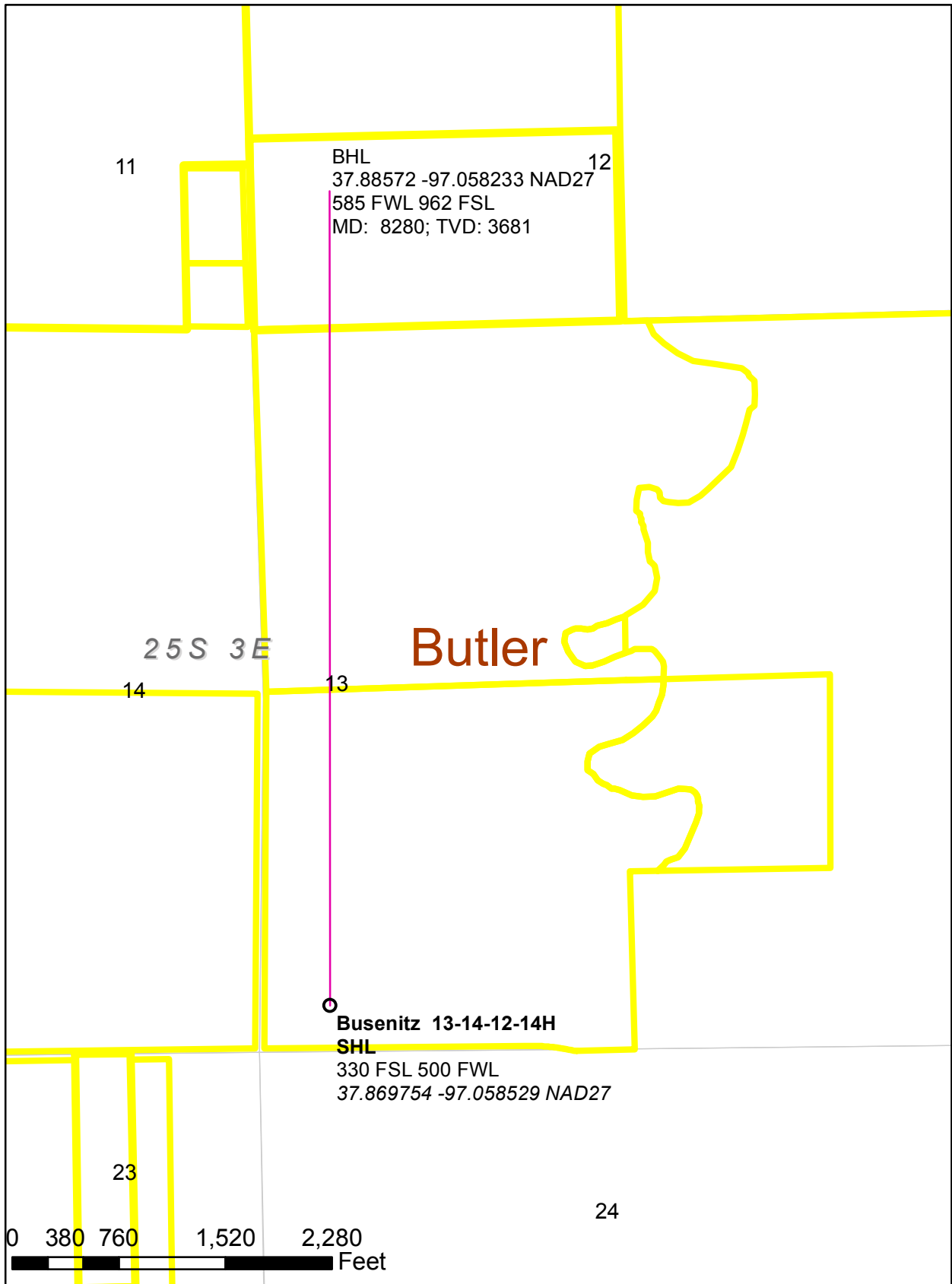
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
7112.00	90.79	.85	2688.88	4689.50	-37.08	4689.54	4689.64	359.55	.20
7143.00	90.52	.78	2688.53	4720.49	-36.64	4720.53	4720.63	359.56	.90
7174.00	90.62	.55	2688.22	4751.49	-36.28	4751.53	4751.63	359.56	.81
7204.00	90.83	.86	2687.84	4781.48	-35.91	4781.52	4781.62	359.57	1.25
7235.00	91.51	1.21	2687.21	4812.47	-35.35	4812.51	4812.60	359.58	2.47
7265.00	90.58	.91	2686.66	4842.46	-34.80	4842.50	4842.59	359.59	3.26
7295.00	90.17	.18	2686.46	4872.46	-34.51	4872.50	4872.58	359.59	2.79
7326.00	89.76	358.84	2686.48	4903.46	-34.78	4903.50	4903.58	359.59	4.52
7357.00	89.66	358.47	2686.64	4934.45	-35.50	4934.49	4934.58	359.59	1.24
7388.00	89.24	357.93	2686.94	4965.43	-36.48	4965.47	4965.56	359.58	2.21
7418.00	88.80	356.92	2687.45	4995.40	-37.82	4995.44	4995.54	359.57	3.67
7448.00	89.93	358.02	2687.78	5025.36	-39.15	5025.41	5025.52	359.55	5.26
7479.00	91.20	358.73	2687.48	5056.35	-40.03	5056.39	5056.51	359.55	4.69
7509.00	91.41	359.24	2686.79	5086.34	-40.56	5086.38	5086.50	359.54	1.84
7540.00	91.03	359.13	2686.13	5117.33	-41.00	5117.37	5117.49	359.54	1.28
7569.00	90.55	359.06	2685.73	5146.32	-41.46	5146.37	5146.49	359.54	1.67
7599.00	90.03	359.21	2685.58	5176.32	-41.91	5176.36	5176.49	359.54	1.80
7629.00	89.62	359.58	2685.67	5206.31	-42.23	5206.36	5206.48	359.54	1.84
7658.00	89.42	359.37	2685.92	5235.31	-42.49	5235.36	5235.48	359.53	1.00
7688.00	89.86	.65	2686.10	5265.31	-42.49	5265.36	5265.48	359.54	4.51
7719.00	90.07	1.06	2686.12	5296.31	-42.03	5296.35	5296.47	359.55	1.49
7749.00	90.31	1.77	2686.02	5326.30	-41.29	5326.34	5326.46	359.56	2.50
7778.00	90.69	2.32	2685.77	5355.28	-40.25	5355.32	5355.43	359.57	2.31
7809.00	91.00	2.95	2685.31	5386.24	-38.83	5386.28	5386.38	359.59	2.26
7840.00	91.14	3.58	2684.74	5417.18	-37.06	5417.23	5417.31	359.61	2.08
7870.00	91.34	4.12	2684.09	5447.11	-35.05	5447.15	5447.22	359.63	1.92
7900.00	91.89	4.49	2683.24	5477.01	-32.80	5477.05	5477.11	359.66	2.21
7930.00	91.89	4.24	2682.25	5506.91	-30.51	5506.94	5506.99	359.68	.83
7974.00	91.20	4.30	2681.06	5550.77	-27.24	5550.80	5550.84	359.72	1.57
8017.00	88.73	3.42	2681.09	5593.67	-24.34	5593.70	5593.72	359.75	6.10
8060.00	89.69	4.37	2681.68	5636.57	-21.42	5636.59	5636.61	359.78	3.14
8104.00	89.42	4.72	2682.03	5680.43	-17.94	5680.44	5680.45	359.82	1.00
8147.00	89.18	4.71	2682.55	5723.28	-14.40	5723.29	5723.30	359.86	.56
8191.00	91.10	6.97	2682.44	5767.04	-9.93	5767.05	5767.05	359.90	6.74
8234.00	89.42	6.49	2682.25	5809.75	-4.89	5809.75	5809.75	359.95	4.06
8240.00	89.14	6.33	2682.32	5815.71	-4.22	5815.71	5815.71	359.96	5.37
<b>Proj to bit @ T.D</b>									
8280.00	89.14	6.33	2682.92	5855.46	.19	5855.45	5855.46	.00	.00



# Source Energy MidCon, LLC Horiz Completion (NAD27)



## Busenitz 13-14-12-14H

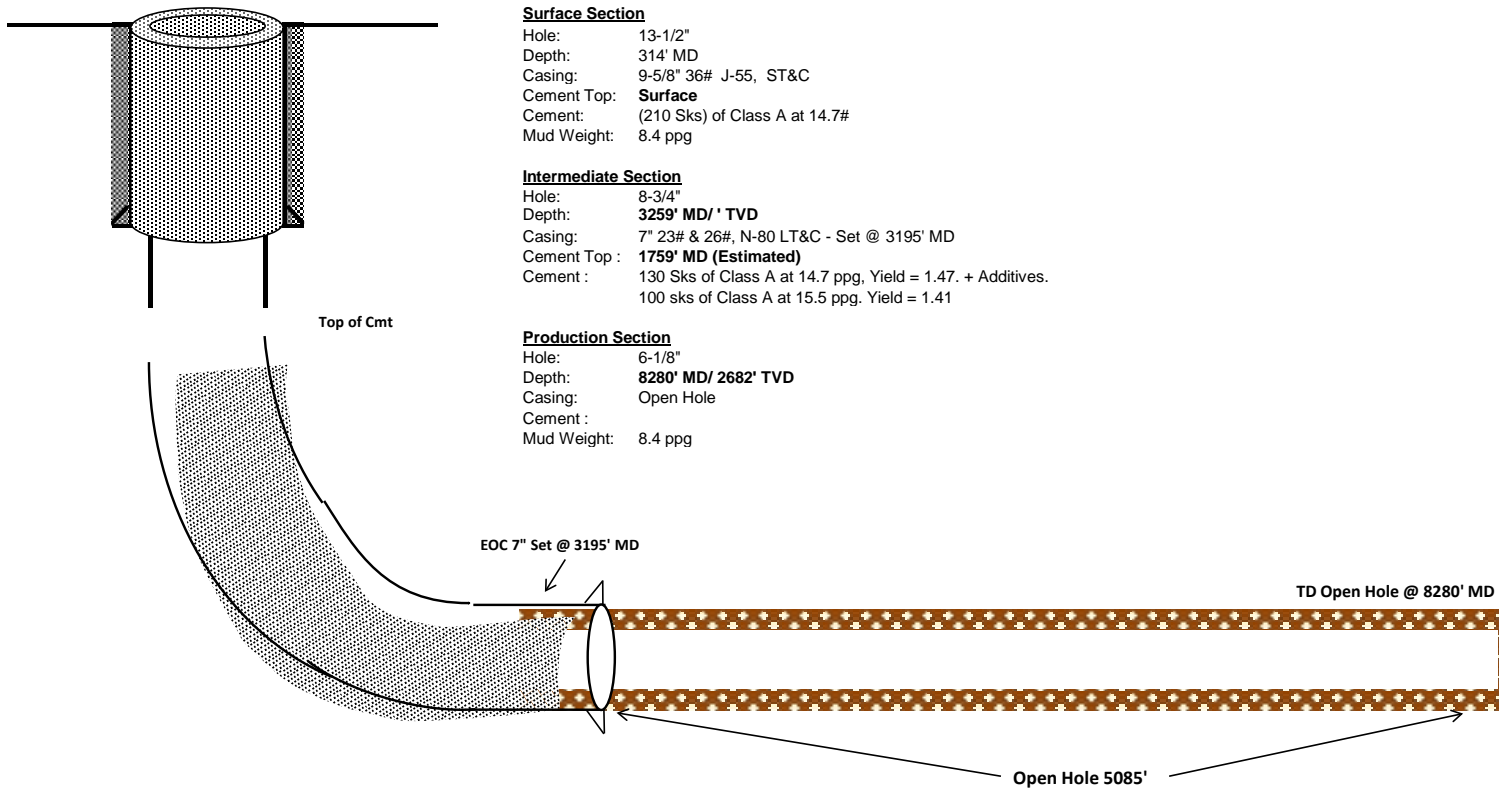


# Busenitz 13-14-12-14 H



As Drilled Wellbore Diagram - **NOT TO SCALE**

Updated: 2/11/2014  
Location: Section 13 Township 25S Range 3E, Butler County, Kansas  
Field: Matrix Re-Loaded  
API Number: 15-015-23993-01-00 Elevations: GL 1280  
Target Zone: Mississippian Lime KB 1293.6  
SPUD Date: 10/16/2013 @ 0600 hrs KB 13.6  
Mississippian @ 1/2705' MD/TVD





**CONSOLIDATED**  
Oil Well Services, LLC

263410

TICKET NUMBER 43682  
LOCATION 180 Fidoado  
FOREMAN Jacob Storm

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

AP: 15-015-23993-01-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-21-13	7698	Busenitz 13-14-12-14H	13	25	3	Butler

CUSTOMER  
Source Energy mid con LLC  
MAILING ADDRESS  
1805 Shea center drive Ste 100  
CITY  
Highlands Ranch STATE CO ZIP CODE 80129

Sally meeting  
Jg  
JMC

TRUCK #	DRIVER	TRUCK #	DRIVER
446	Josh		
502	Jeramyn		
702	Jacob		

JOB TYPE Logging B HOLE SIZE 8 1/4 HOLE DEPTH 3259 CASING SIZE & WEIGHT 7" 26lb/23'  
CASING DEPTH 3195 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.5/15.8 SLURRY VOL 59 bbl WATER gal/sk 8-5.7 CEMENT LEFT in CASING 42ft Shore  
DISPLACEMENT 123.47 DISPLACEMENT PSI 200 MIX PSI 300 RATE 6 bpm

REMARKS: Sally meeting, test pump and lines to 3000 psi Hold  
5 min, break circulation pump to bbl water flush, mix 130 sks  
class A 3/4 gel 2/4 cc 5/16 col seal @ 14.7 ppg tail with 100 sks class A  
3/4 gel 2/4 cc 5/16 col seal wash out pump and lines, displaced  
with 123 bbl landing plug at 1700 psi check float float  
hold  
at 15.8 ppg

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		
5406	10	MILEAGE		
5407	1	min bulk delivery		
5402	1200	footage		
11045	230	class A		
1102	400	calcium chloride		
1118 B	700	gel		
1110 A	11.50	kol-seal		
4409	1	7" plug		
		<u>Busen 13-14-12-14H</u>		
		<u>100-75D</u>		
		<u>830-100</u>		
			<u>6758.33</u>	
		<u>Cement 7" INT. CSG</u>		
		<u>Steve Godfrey 10/21/13</u>		
		<u>R.L. Patterson</u>		

Ravin 3737  
SALES TAX ESTIMATED TOTAL  
AUTHORIZATION \_\_\_\_\_ TITLE 11/4/13 DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

263312

TICKET NUMBER 44696

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

PO Box 384, Chanute, KS 66720  
820-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/16/13	71698	Busewitz #13-14-13-11H	SW13	25	3	Butler Co

CUSTOMER Source Energy Midcon LLC  
MAILING ADDRESS 1805 Shea Center Dr Ste 100  
CITY Highlands Ranch STATE CO ZIP CODE 80129

TRUCK #	DRIVER	TRUCK #	DRIVER
481	Casey	✓	Safety Meeting
1616	Kei Car	✓	
548	Mik Haa	✓	

JOB TYPE Surface HOLE SIZE 13 1/2" HOLE DEPTH 334' CASING SIZE & WEIGHT 9 5/8" - 36#/ft  
CASING DEPTH 334' DRILL PIPE 314' TUBING baffle insert - 275' OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.7 # SLURRY VOL 50.49 bbls WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING \_\_\_\_\_  
DISPLACEMENT 21.27 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4.5 bpm

REMARKS: held safety meeting, pressure tested pump & lines to 500 PSI, held pressure for 5 min, released pressure, established circulation, pumped 5 bbls fresh water flush, mixed & pumped 210 sks Class "A" cement w/ 2% Premium Gel, 3% Calcium Chloride, & 1/2# Flo Seal per sk, cement to surface, pumped 9 5/8" rubber plug to baffle insert w/ 21.27 bbls fresh water, pressured to 800 PSI, casing held pressure, released pressure to set float valve, shut in casing, washed up equipment & cellar.

\* Horizontal Well Drillers Rig supplied #20\*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE		
5406	116 mi	MILEAGE		116.00
5402	330'	casing footage		
5407	minimum	ton mileage		
1101S	210 sk	Class "A" cement	15.70	
1118B	395 #	Premium Gel	.22	
1102	592 #	Calcium Chloride	.78	
1107	105 #	Flo Seal	2.47	
4415	1	9 5/8" rubber plug		
5617		9 5/8" plug container		
WELL NAME <u>Busewitz 13-14-13-11H</u>				
Well/AFE# <u>100-75D</u>				
GL ACCT <u>830,100</u>		AMT \$ <u>6187.96</u>		
GL ACCT _____		AMT \$ _____		
EXCELLENT <input checked="" type="checkbox"/> GOOD <input checked="" type="checkbox"/> FAIR <input type="checkbox"/> POOR <input type="checkbox"/>				
DESCRIPTION <u>DOC - Cement Service (SURFACE)</u>				

Ravin 3737

SIGNATURE [Signature] DATE 10/16/13  
SUPERVISOR Steve Godfrey

6.4%

SALES TAX  
ESTIMATED  
TOTAL

AUTHORIZATION [Signature] R.L. Patterson TITLE Well Supv 11/5/13

DATE 10/16/13

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

Wendy Stewart 11/5/13