

CONFIDENTIAL

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

4/23/14
Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 32811
Name: Osage Resources, L.L.C.
Address 1: 6209 N. State Rd 61
Address 2: _____
Hutchinson State: KS Zip: 67502 + 8608
Contact Person: Brooke C. Walter
Phone: (620) 860-2224
CONTRACTOR: License # 33132
Name: Dan D Drilling
Wellsite Geologist: Curtis Covey
Purchaser: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

3/13/2012 3/29/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 007-23839-0100

Spot Description: _____
NE NW NW NE Sec. 19 Twp. 33 S. R. 14 East West
180 Feet from North / South Line of Section
2,282 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Barber
Lease Name: Osage No. Well #: 19-04H

Field Name: Aetna Gas Area
Producing Formation: Mississippian

Elevation: Ground: 1793 Kelly Bushing: 1808

Total Depth: 9283 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 235 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 CONFIDENTIAL Sec. _____ Twp. _____ S. R. _____ East West

County: APR 23 2014 Permit #: _____ RECEIVED

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

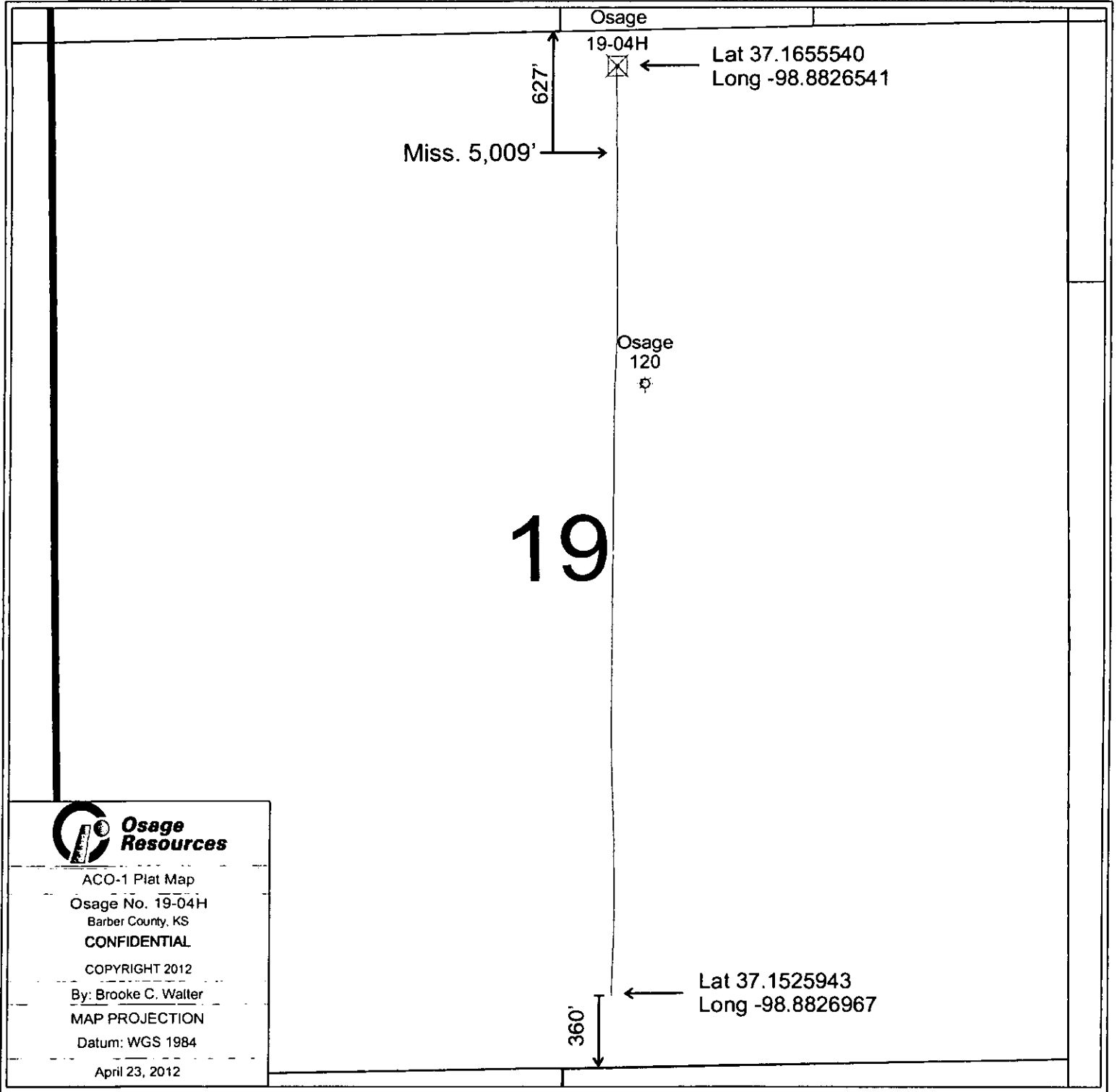
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Brooke C. Walter

Title: Geological Technician Date: 4/23/2012

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 4-23-12 to 4-23-14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: MJ Date: 5-1-12



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 APR 23 2012
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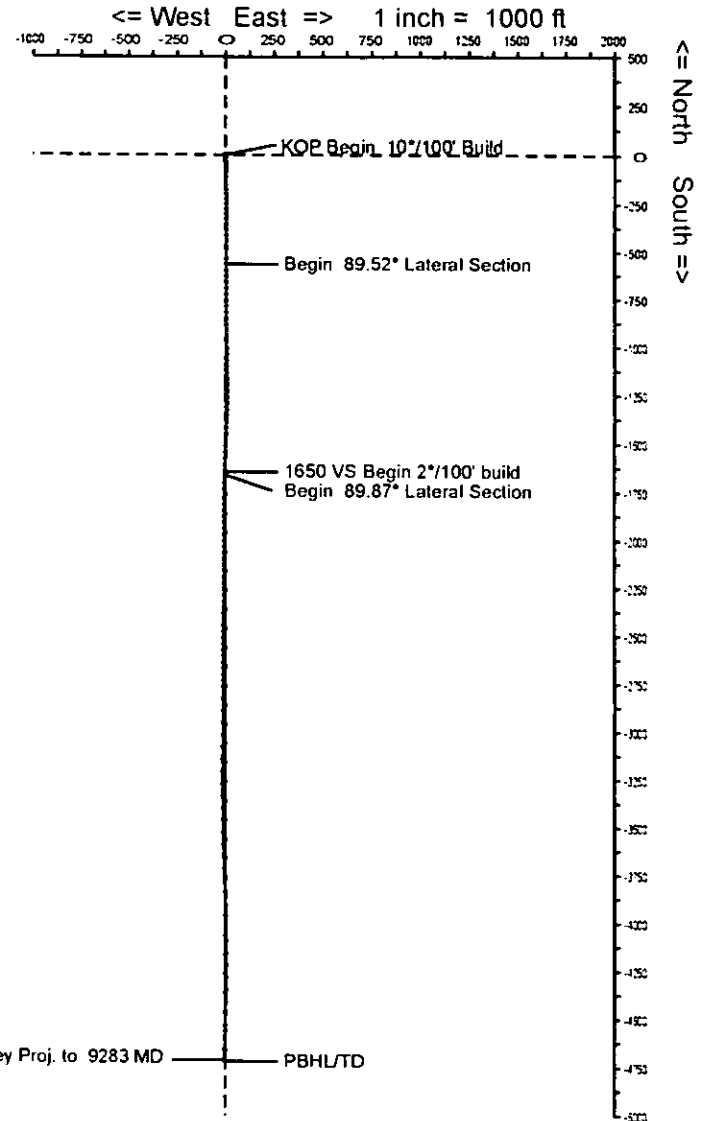
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 APR 24 2012
 KCC WICHITA

Osage Resources

Osage 19-04H

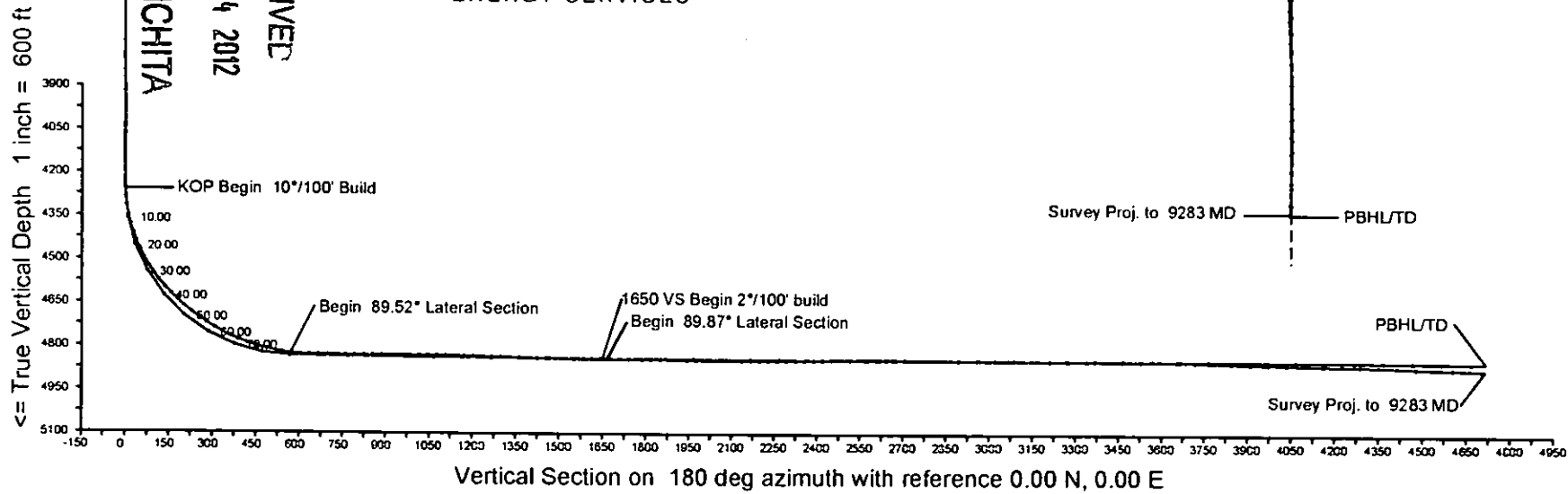
WELL PROFILE DATA rev0								
MD	Inc.	Azi.	TVD	N/-S	E/-W	DLS	Comment	02-18-2012
4260	0.00	180.00	4260	0	0	0.00	KOP Begin 10°/100' Build	
5155	89.52	180.00	4833	-568	0	10.00	Begin 89.52° Lateral Section	
6237	89.52	180.00	4842	-1650	0	0.00	1650 VS Begin 2°/100' build	
6255	89.87	180.00	4842	-1667	0	2.00	Begin 89.87° Lateral Section	
9312	89.87	180.00	4849	-4725	0	0.00	PBHL/TD	

WELL PROFILE DATA svys								
MD	Inc.	Azi.	TVD	N/-S	E/-W	DLS	Comment	03-31-2012
9283	89.00	181.60	4872	-4717	-7	0.00	Survey Proj. to 9283 MD	



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Vertical Section on 180 deg azimuth with reference 0.00 N, 0.00 E

Calmena Energy Services

Company: Osage Resources
 Well: Osage 19-04 H
 Location: Barber County, Kansas

Date: 31-Mar-2012
 Surveys
 Page 1
 Job# : 6408

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
Surface Location								
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1508.00	0.20	67.40	1508.00	1.01	2.43	0.01	-1.01	
2010.00	0.10	219.10	2010.00	1.01	2.96	0.06	-1.01	
2516.00	0.10	301.80	2516.00	0.90	2.31	0.03	-0.90	
3021.00	0.30	230.60	3020.99	0.29	0.91	0.06	-0.29	
3524.00	0.50	313.50	3523.98	0.97	-1.70	0.11	-0.97	
4038.00	0.20	245.70	4037.98	2.14	-4.14	0.09	-2.14	
4067.00	0.20	235.40	4066.98	2.09	-4.23	0.12	-2.09	
4099.00	0.20	76.20	4098.98	2.07	-4.22	1.23	-2.07	
4130.00	0.20	119.40	4129.98	2.06	-4.12	0.48	-2.06	
4162.00	0.10	94.20	4161.98	2.03	-4.04	0.37	-2.03	
4193.00	0.30	107.60	4192.97	2.00	-3.94	0.66	-2.00	
4225.00	0.30	150.50	4224.97	1.90	-3.82	0.69	-1.90	
4256.00	2.20	174.40	4255.97	1.24	-3.72	6.22	-1.24	
4288.00	5.50	180.10	4287.89	-0.90	-3.66	10.37	0.90	
4319.00	8.70	182.20	4318.65	-4.73	-3.76	10.35	4.73	
4351.00	11.70	184.30	4350.14	-10.39	-4.09	9.45	10.39	
4382.00	14.60	184.50	4380.32	-17.42	-4.64	9.36	17.42	
4414.00	17.90	181.40	4411.04	-26.36	-5.07	10.66	26.36	
4445.00	21.10	178.20	4440.26	-36.70	-5.01	10.88	36.70	
4477.00	24.80	177.60	4469.72	-49.17	-4.55	11.59	49.17	
4508.00	28.30	178.20	4497.45	-63.01	-4.05	11.32	63.01	
4540.00	31.80	178.80	4525.14	-79.03	-3.63	10.98	79.03	
4572.00	35.50	179.60	4551.78	-96.76	-3.39	11.64	96.76	
4602.00	39.20	179.50	4575.62	-114.95	-3.25	12.33	114.95	
4633.00	42.70	179.20	4599.03	-135.27	-3.02	11.31	135.27	
4665.00	45.00	178.30	4622.11	-157.43	-2.53	7.45	157.43	
4696.00	46.90	178.20	4643.66	-179.70	-1.85	6.13	179.70	
4727.00	49.00	178.40	4664.42	-202.70	-1.17	6.79	202.70	
4759.00	51.10	179.80	4684.97	-227.23	-0.78	7.37	227.23	

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Calmena Energy Services

Company: Osage Resources
 Well: Osage 19-04 H
 Location: Barber County, Kansas

Date: 31-Mar-2012
 Surveys
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 Job# : 6408

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
4791.00	53.70	180.70	4704.49	-252.58	-0.90	8.42	252.58	
4822.00	56.70	180.60	4722.18	-278.03	-1.19	9.68	278.03	
4854.00	60.00	180.20	4738.97	-305.27	-1.38	10.37	305.27	
4885.00	62.10	179.80	4753.98	-332.39	-1.37	6.87	332.39	
4917.00	65.00	179.30	4768.23	-361.04	-1.15	9.17	361.04	
4948.00	67.60	178.80	4780.69	-389.42	-0.68	8.52	389.42	
4980.00	71.40	179.00	4791.89	-419.38	-0.10	11.89	419.38	
5012.00	74.40	179.60	4801.30	-449.96	0.27	9.54	449.96	
5051.00	76.90	180.70	4810.96	-487.74	0.17	6.97	487.74	
5084.00	80.20	180.30	4821.48	-539.67	-0.28	6.27	539.67	
5136.00	82.90	179.50	4826.19	-571.32	-0.23	8.79	571.32	
5168.00	87.00	179.20	4829.00	-603.19	0.14	12.85	603.19	
5199.00	90.40	179.80	4829.71	-634.18	0.41	11.14	634.18	
5231.00	89.40	179.90	4829.76	-666.18	0.49	3.14	666.18	
5263.00	89.30	180.20	4830.12	-698.17	0.46	0.99	698.17	
5294.00	89.20	179.80	4830.53	-729.17	0.46	1.33	729.17	
5326.00	90.00	180.00	4830.75	-761.17	0.52	2.58	761.17	
5358.00	90.30	179.70	4830.67	-793.17	0.60	1.33	793.17	
5390.00	90.50	179.50	4830.45	-825.17	0.82	0.88	825.17	
5421.00	89.60	179.50	4830.42	-856.17	1.10	2.90	856.17	
5453.00	89.40	179.40	4830.70	-888.16	1.40	0.70	888.16	
5484.00	89.70	179.50	4830.94	-919.16	1.70	1.02	919.16	
5516.00	89.60	179.60	4831.14	-951.16	1.95	0.44	951.16	
5548.00	89.50	179.50	4831.39	-983.16	2.20	0.44	983.16	
5580.00	90.00	179.40	4831.53	-1015.16	2.51	1.59	1015.16	
5611.00	89.80	179.00	4831.58	-1046.15	2.94	1.44	1046.15	
5643.00	89.00	179.10	4831.92	-1078.15	3.47	2.52	1078.15	
5674.00	88.80	179.00	4832.51	-1109.14	3.99	0.72	1109.14	
5706.00	89.10	178.60	4833.10	-1141.13	4.66	1.56	1141.13	
5738.00	89.00	178.20	4833.63	-1173.11	5.55	1.29	1173.11	

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Calmena Energy Services

Company: Osage Resources
 Well: Osage 19-04 H
 Location: Barber County, Kansas

Date: 31-Mar-2012
 Surveys
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 Job# : 6408

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
5769.00	88.60	178.90	4834.28	-1204.09	6.33	2.60	1204.09	
5801.00	88.70	180.10	4835.03	-1236.08	6.61	3.76	1236.08	
5833.00	88.70	179.80	4835.76	-1268.07	6.64	0.94	1268.07	
5864.00	88.30	180.60	4836.57	-1299.06	6.53	2.88	1299.06	
5896.00	88.20	182.00	4837.55	-1331.04	5.81	4.38	1331.04	
5928.00	88.50	182.70	4838.47	-1363.00	4.50	2.38	1363.00	
5959.00	88.70	182.70	4839.23	-1393.95	3.04	0.65	1393.95	
5991.00	88.90	183.10	4839.90	-1425.91	1.42	1.40	1425.91	
6022.00	89.00	182.90	4840.46	-1456.86	-0.20	0.72	1456.86	
6054.00	89.00	182.10	4841.02	-1488.82	-1.60	2.50	1488.82	
6086.00	89.20	182.10	4841.53	-1520.80	-2.77	0.63	1520.80	
6117.00	89.60	181.90	4841.85	-1551.78	-3.85	1.44	1551.78	
6149.00	89.70	181.60	4842.05	-1583.76	-4.83	0.99	1583.76	
6180.00	89.80	181.50	4842.18	-1614.75	-5.67	0.46	1614.75	
6212.00	89.70	181.30	4842.32	-1646.74	-6.45	0.70	1646.74	
6244.00	89.90	181.50	4842.43	-1678.73	-7.23	0.88	1678.73	
6275.00	89.70	181.30	4842.54	-1709.72	-7.99	0.91	1709.72	
6307.00	89.40	181.00	4842.79	-1741.71	-8.63	1.33	1741.71	
6353.00	89.70	180.20	4843.15	-1787.71	-9.11	1.86	1787.71	
6385.00	89.70	180.10	4843.32	-1819.71	-9.20	0.31	1819.71	
6417.00	89.60	180.00	4843.52	-1851.71	-9.23	0.44	1851.71	
6448.00	89.00	179.60	4843.90	-1882.70	-9.12	2.33	1882.70	
6480.00	88.90	179.90	4844.48	-1914.70	-8.98	0.99	1914.70	
6511.00	89.30	179.90	4844.97	-1945.69	-8.92	1.29	1945.69	
6543.00	89.50	179.80	4845.30	-1977.69	-8.84	0.70	1977.69	
6575.00	89.80	179.90	4845.50	-2009.69	-8.76	0.99	2009.69	
6606.00	89.60	179.80	4845.66	-2040.69	-8.68	0.72	2040.69	
6638.00	89.70	180.20	4845.86	-2072.69	-8.68	1.29	2072.69	
6670.00	89.60	180.30	4846.05	-2104.69	-8.82	0.44	2104.69	
6701.00	89.70	180.60	4846.24	-2135.69	-9.06	1.02	2135.69	

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Calmena Energy Services

Company: Osage Resources
 Well: Osage 19-04 H
 Location: Barber County, Kansas

Date: 31-Mar-2012
 Surveys
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 Job# : 6408

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
6733.00	89.80	180.40	4846.38	-2167.69	-9.34	0.70	2167.69	
6765.00	90.00	180.60	4846.44	-2199.68	-9.62	0.88	2199.68	
6796.00	89.90	180.10	4846.46	-2230.68	-9.81	1.64	2230.68	
6828.00	89.90	180.50	4846.52	-2262.68	-9.97	1.25	2262.68	
6859.00	90.20	180.60	4846.49	-2293.68	-10.27	1.02	2293.68	
6891.00	90.00	180.30	4846.44	-2325.68	-10.52	1.13	2325.68	
6923.00	90.80	180.60	4846.21	-2357.68	-10.77	2.67	2357.68	
6954.00	91.00	180.30	4845.73	-2388.67	-11.02	1.16	2388.67	
6986.00	91.20	180.70	4845.11	-2420.67	-11.30	1.40	2420.67	
7018.00	90.70	180.20	4844.58	-2452.66	-11.55	2.21	2452.66	
7049.00	90.70	180.00	4844.20	-2483.66	-11.60	0.65	2483.66	
7081.00	90.70	180.00	4843.81	-2515.66	-11.60	0.00	2515.66	
7112.00	90.70	180.30	4843.43	-2546.65	-11.68	0.97	2546.65	
7144.00	90.20	180.00	4843.18	-2578.65	-11.77	1.82	2578.65	
7176.00	89.70	180.20	4843.21	-2610.65	-11.82	1.68	2610.65	
7208.00	89.60	180.10	4843.41	-2642.65	-11.91	0.44	2642.65	
7239.00	89.70	180.20	4843.60	-2673.65	-11.99	0.46	2673.65	
7271.00	89.30	180.10	4843.87	-2705.65	-12.07	1.29	2705.65	
7303.00	89.40	180.10	4844.24	-2737.65	-12.13	0.31	2737.65	
7334.00	89.80	180.30	4844.45	-2768.65	-12.24	1.44	2768.65	
7398.00	89.80	180.40	4844.68	-2832.65	-12.63	0.16	2832.65	
7461.00	89.60	180.20	4845.01	-2895.64	-12.96	0.45	2895.64	
7525.00	90.00	180.70	4845.23	-2959.64	-13.46	1.00	2959.64	
7588.00	89.60	180.80	4845.45	-3022.63	-14.28	0.65	3022.63	
7651.00	89.60	180.90	4845.89	-3085.63	-15.22	0.16	3085.63	
7714.00	89.50	180.10	4846.38	-3148.62	-15.77	1.28	3148.62	
7778.00	89.70	179.70	4846.83	-3212.62	-15.66	0.70	3212.62	
7841.00	89.40	179.70	4847.33	-3275.62	-15.33	0.48	3275.62	
7905.00	90.10	179.40	4847.61	-3339.61	-14.82	1.19	3339.61	
7968.00	90.00	179.10	4847.55	-3402.61	-14.00	0.50	3402.61	

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Calmena Energy Services

Company: Osage Resources
 Well: Osage 19-04 H
 Location: Barber County, Kansas

Date: 31-Mar-2012
 Surveys
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 Job#: 6408

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
8031.00	90.20	179.10	4847.44	-3465.60	-13.01	0.32	3465.60	
8094.00	90.30	179.10	4847.17	-3528.59	-12.02	0.16	3528.59	
8158.00	90.20	179.00	4846.89	-3592.58	-10.96	0.22	3592.58	
8221.00	88.90	177.60	4847.38	-3655.55	-9.09	3.03	3655.55	
8285.00	87.90	177.20	4849.17	-3719.46	-6.19	1.68	3719.46	
8348.00	88.20	178.50	4851.31	-3782.38	-3.83	2.12	3782.38	
8412.00	87.40	177.90	4853.77	-3846.30	-1.82	1.56	3846.30	
8475.00	88.60	178.80	4855.97	-3909.23	-0.01	2.38	3909.23	
8538.00	89.50	179.60	4857.01	-3972.21	0.87	1.91	3972.21	
8601.00	89.60	179.50	4857.51	-4035.21	1.37	0.22	4035.21	
8664.00	89.30	179.50	4858.11	-4098.20	1.92	0.48	4098.20	
8728.00	88.90	179.40	4859.12	-4162.19	2.53	0.64	4162.19	
8791.00	89.50	179.80	4860.00	-4225.19	2.97	1.14	4225.19	
8854.00	89.70	180.30	4860.44	-4288.18	2.92	0.85	4288.18	
8917.00	87.50	180.50	4861.98	-4351.16	2.48	3.51	4351.16	
8981.00	87.60	180.80	4864.71	-4415.10	1.75	0.49	4415.10	
9044.00	88.00	181.50	4867.13	-4478.04	0.49	1.28	4478.04	
9107.00	88.90	182.00	4868.83	-4540.98	-1.43	1.63	4540.98	
9171.00	88.90	181.60	4870.06	-4604.94	-3.44	0.62	4604.94	
9230.00	89.00	181.60	4871.14	-4663.91	-5.09	0.17	4663.91	
9283.00	89.00	181.60	4872.07	-4716.88	-6.57	0.00	4716.88	Survey proj

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