

CONFIDENTIAL

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

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

3/29/14

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 32811
Name: Osage Resources, L.L.C.
Address 1: 6209 N. State Rd 61
Address 2: _____
City: 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 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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

<u>1/12/2012</u>	<u>2/2/2012</u>	
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-23818-0100

Spot Description: _____

NE NE NE NW Sec. 23 Twp. 33 S. R. 15 East West
125 Feet from North / South Line of Section
2,345 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 #: 23-05H

Field Name: Aetna Gas Area

Producing Formation: Mississippian

Elevation: Ground: 1852 Kelly Bushing: 1867

Total Depth: 8061 Plug Back Total Depth: 8005'

Amount of Surface Pipe Set and Cemented at: 200 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. CONFIDENTIAL Twp. _____ S. R. _____ East West

County: MAR 29 2014 Permit #: _____

KCC

RECEIVED
APR 03 2012

KCC WICHITA

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, 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: 3/29/12

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 3-29-12 to 3-29-14

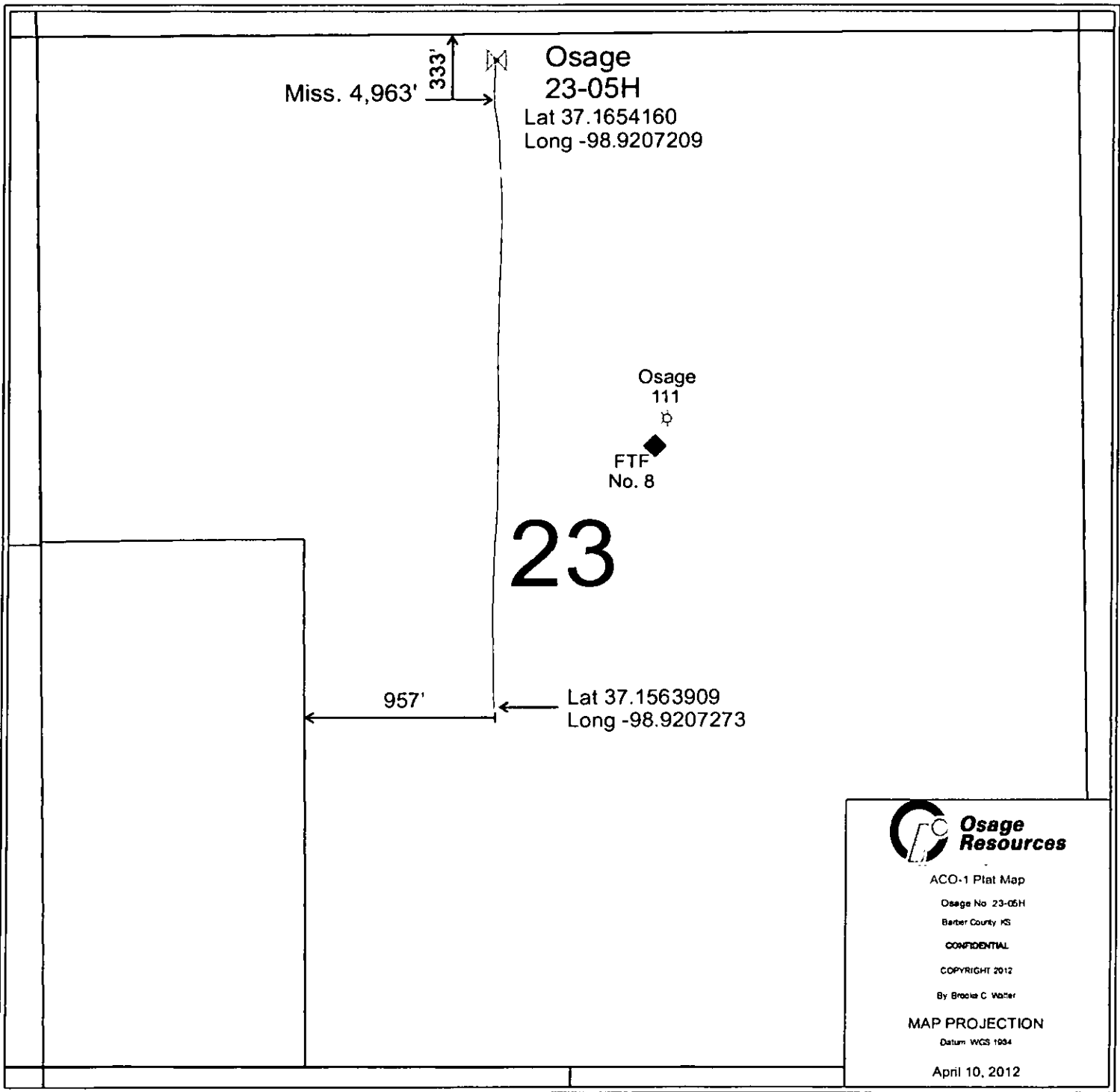
Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: [Signature] Date: 4-16-12



Osage
23-05H

Lat 37.1654160
Long -98.9207209

Miss. 4,963'

333'

Osage
111

FTF
No. 8

23

957'

Lat 37.1563909
Long -98.9207273



**Osage
Resources**

ACO-1 Plat Map

Osage No. 23-05H

Barber County, KS

CONFIDENTIAL

COPYRIGHT 2012

By Brooke C. Walter

MAP PROJECTION

Datum: WGS 1984

April 10, 2012

RECEIVED

APR 11 2012

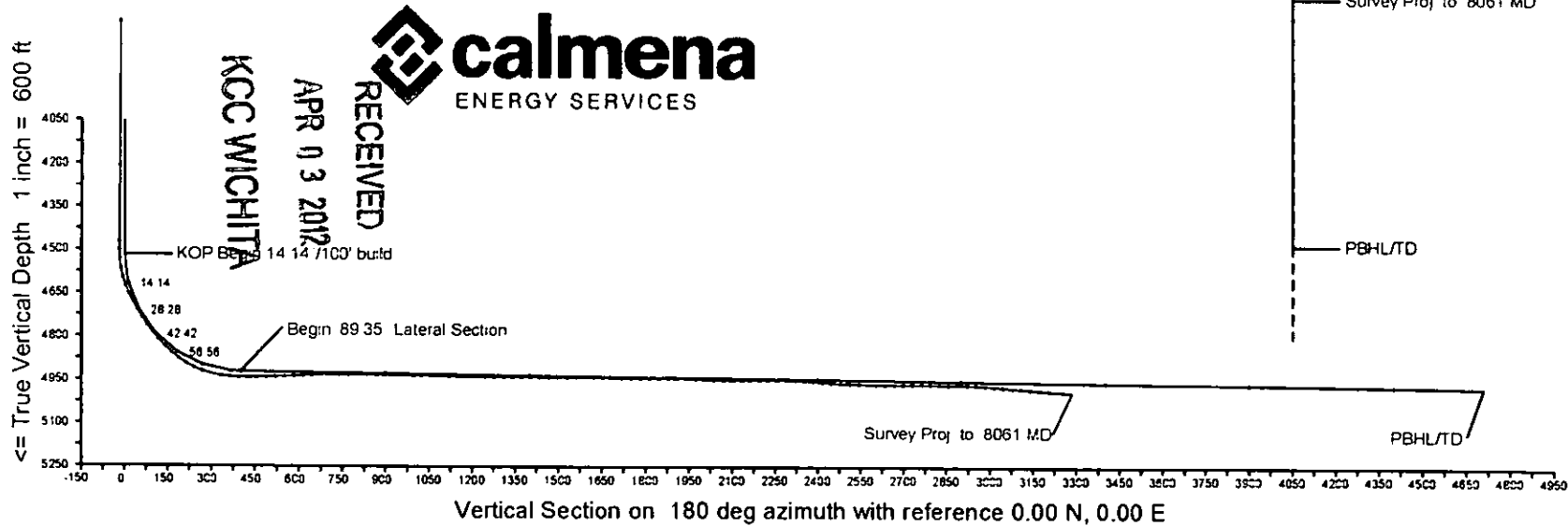
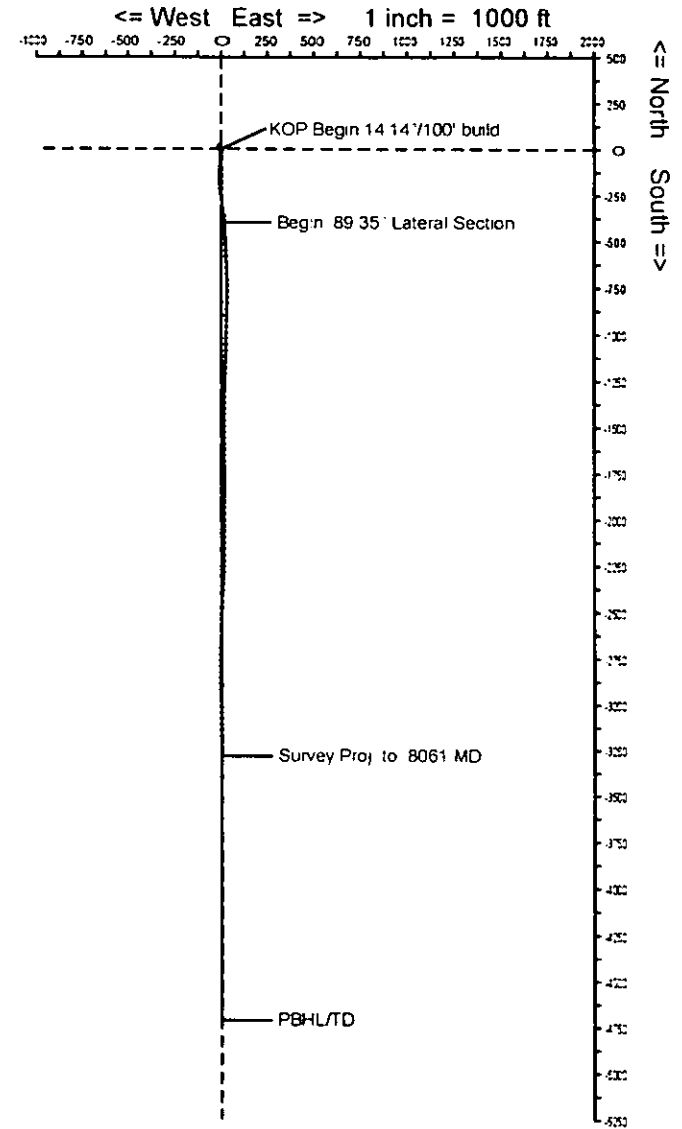
KCC WICHITA



Osage 23-05H
Barber County, Kansas

WELL PROFILE DATA rev5							
MD	Inc.	Azi.	TVD	N/S	E/W	DLS	Comment
4518	0.00	180.00	4518	0	0	0.00	KOP Begin 14.14°/100' build
5150	89.35	180.00	4923	-401	0	14.14	Begin 89.35° Lateral Section
9466	89.35	180.00	4972	-4716	0	0.00	PBHL/TD

WELL PROFILE DATA svys							
MD	Inc.	Azi.	TVD	N/S	E/W	DLS	Comment
8061	86.00	178.20	4990	-3285	1	0.00	Survey Proj. to 8061 MD



RECEIVED
APR 03 2012
KCC WICHITA

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

Calmena Energy Services

Company: Osage Resources
 Well: Osage 23-05H
 Location: Barber County, Kansas

Date: 9-Feb-2012
 Surveys
 Page 1
 Job#: 6283

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								
Azimuths corrected to Grid North NAD83 Ks South								
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5.00	0.00	0.00	5.00	0.00	0.00	0.01	0.00	
1189.00	0.50	278.60	1188.99	0.77	-5.11	0.04	-0.77	
1692.00	0.50	248.70	1691.97	0.30	-9.32	0.05	-0.30	
2196.00	0.50	316.10	2195.95	1.09	-12.90	0.11	-1.09	
2700.00	0.50	319.50	2699.93	4.35	-15.85	0.01	-4.35	
3205.00	0.80	5.20	3204.90	9.53	-16.96	0.11	-9.53	
3709.00	0.40	36.60	3708.88	14.45	-15.59	0.10	-14.45	
4210.00	0.60	52.90	4209.86	17.44	-12.46	0.05	-17.44	
4475.00	0.70	50.30	4474.84	19.31	-10.11	0.04	-19.31	
4503.00	0.30	102.50	4502.84	19.40	-9.90	2.03	-19.40	
4534.00	3.90	175.10	4533.81	18.33	-9.73	12.33	-18.33	
4566.00	10.30	172.60	4565.55	14.41	-9.27	20.02	-14.41	
4597.00	15.80	173.50	4595.74	7.46	-8.44	17.75	-7.46	
4629.00	20.30	176.20	4626.16	-2.41	-7.58	14.30	2.41	
4661.00	24.30	178.40	4655.76	-14.54	-7.02	12.77	14.54	
4692.00	27.70	179.90	4683.62	-28.12	-6.83	11.17	28.12	
4724.00	31.30	180.40	4711.46	-43.88	-6.88	11.28	43.88	
4755.00	33.40	181.70	4737.65	-60.46	-7.19	7.14	60.46	
4786.00	35.40	183.20	4763.23	-77.96	-7.94	7.01	77.96	
4818.00	38.20	184.10	4788.85	-97.09	-9.17	8.91	97.09	
4849.00	41.50	184.50	4812.65	-116.89	-10.66	10.68	116.89	
4881.00	45.10	184.10	4835.93	-138.77	-12.30	11.28	138.77	
4912.00	49.00	180.30	4857.05	-161.43	-13.15	15.45	161.43	
4944.00	53.60	176.50	4877.06	-186.38	-12.42	17.10	186.38	
4976.00	59.00	174.90	4894.81	-212.92	-10.42	17.38	212.92	
4997.00	64.70	173.50	4909.43	-240.10	-7.65	18.81	240.10	
5019.00	70.70	172.30	4921.57	-269.46	-3.98	19.07	269.46	
5050.00	80.90	171.00	4937.74	-332.68	5.31	15.57	332.68	
5077.00	84.70	173.40	4941.75	-364.13	9.62	14.01	364.13	

KCC WICHITA

APR 03 2012

PROCESSED

Calmena Energy Services

Company: Osage Resources
 Well: Osage 23-05H
 Location: Barber County, Kansas

Date: 9-Feb-2012
 Surveys
 Page 2
 Job# : 6283

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
5166.00	88.60	175.20	4943.44	-392.93	12.49	14.81	392.93	
5198.00	91.30	177.30	4943.47	-424.85	14.58	10.69	424.85	
5229.00	91.50	177.40	4942.71	-455.81	16.02	0.72	455.81	
5261.00	91.30	177.00	4941.93	-487.76	17.58	1.40	487.76	
5292.00	92.20	177.80	4940.98	-518.72	18.98	3.88	518.72	
5324.00	92.60	177.60	4939.64	-550.66	20.27	1.40	550.66	
5355.00	92.50	177.70	4938.26	-581.61	21.54	0.46	581.61	
5387.00	93.20	177.10	4936.67	-613.53	22.99	2.88	613.53	
5419.00	93.60	177.00	4934.78	-645.43	24.63	1.29	645.43	
5451.00	92.70	177.20	4933.02	-677.34	26.25	2.88	677.34	
5482.00	90.70	178.00	4932.10	-708.30	27.55	6.95	708.30	
5514.00	89.70	180.00	4931.99	-740.29	28.10	6.99	740.29	
5546.00	89.70	180.70	4932.15	-772.29	27.91	2.19	772.29	
5577.00	89.70	180.50	4932.32	-803.29	27.58	0.65	803.29	
5608.00	88.60	181.10	4932.78	-834.28	27.15	4.04	834.28	
5640.00	88.60	181.20	4933.56	-866.27	26.51	0.31	866.27	
5671.00	89.30	181.50	4934.13	-897.25	25.78	2.46	897.25	
5703.00	89.90	181.70	4934.35	-929.24	24.89	1.98	929.24	
5735.00	90.30	181.70	4934.29	-961.23	23.94	1.25	961.23	
5767.00	89.60	181.40	4934.32	-993.21	23.07	2.38	993.21	
5798.00	88.60	181.20	4934.81	-1024.20	22.37	3.29	1024.20	
5830.00	88.60	181.60	4935.59	-1056.18	21.59	1.25	1056.18	
5861.00	88.80	181.70	4936.29	-1087.16	20.69	0.72	1087.16	
5893.00	88.90	181.90	4936.94	-1119.14	19.69	0.70	1119.14	
5925.00	88.70	181.90	4937.61	-1151.12	18.63	0.63	1151.12	
5956.00	88.60	181.70	4938.34	-1182.09	17.65	0.72	1182.09	
9988.00	88.80	181.80	4939.06	-1214.07	16.68	0.70	1214.07	
020.00	89.50	182.10	4939.54	-1246.05	15.59	2.38	1246.05	
051.00	89.30	181.90	4939.86	-1277.03	14.51	0.91	1277.03	
083.00	89.60	181.70	4940.17	-1309.01	13.50	1.13	1309.01	

RECEIVED
 APR 03 2012
 KCC WICHITA

Calmena Energy Services

Company: Osage Resources
 Well: Osage 23-05H
 Location: Barber County, Kansas

Date: 9-Feb-2012
 Surveys
 Page 3
 Job# : 6283

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
6114.00	89.80	181.70	4940.33	-1339.99	12.58	0.65	1339.99	
6146.00	90.10	181.70	4940.36	-1371.98	11.63	0.94	1371.98	
6177.00	90.10	181.20	4940.30	-1402.97	10.85	1.61	1402.97	
6209.00	89.60	180.70	4940.39	-1434.97	10.32	2.21	1434.97	
6241.00	89.60	180.50	4940.61	-1466.96	9.98	0.62	1466.96	
6272.00	90.30	179.80	4940.64	-1497.96	9.90	3.19	1497.96	
6304.00	91.10	179.50	4940.25	-1529.96	10.10	2.67	1529.96	
6336.00	90.40	179.20	4939.83	-1561.95	10.46	2.38	1561.95	
6367.00	90.20	178.90	4939.67	-1592.95	10.97	1.16	1592.95	
6399.00	89.40	178.40	4939.78	-1624.94	11.73	2.95	1624.94	
6430.00	88.40	178.80	4940.37	-1655.92	12.48	3.47	1655.92	
6462.00	88.70	179.00	4941.18	-1687.91	13.10	1.13	1687.91	
6493.00	88.70	179.20	4941.89	-1718.90	13.59	0.65	1718.90	
6525.00	88.70	179.40	4942.61	-1750.89	13.98	0.62	1750.89	
6557.00	89.60	179.00	4943.09	-1782.88	14.42	3.08	1782.88	
6588.00	91.50	180.00	4942.79	-1813.87	14.69	6.93	1813.87	
6620.00	91.20	180.60	4942.04	-1845.87	14.53	2.10	1845.87	
6651.00	89.60	180.70	4941.82	-1876.86	14.17	5.17	1876.86	
6683.00	88.30	181.00	4942.41	-1908.85	13.70	4.17	1908.85	
6715.00	88.00	181.10	4943.44	-1940.83	13.11	0.99	1940.83	
6747.00	88.10	180.60	4944.53	-1972.81	12.64	1.59	1972.81	
6779.00	86.80	180.00	4945.95	-2004.77	12.47	4.47	2004.77	
6810.00	87.40	180.10	4947.52	-2035.73	12.45	1.96	2035.73	
6842.00	90.30	179.80	4948.16	-2067.72	12.47	9.11	2067.72	
6874.00	89.90	179.60	4948.11	-2099.72	12.64	1.40	2099.72	
6906.00	89.90	179.40	4948.16	-2131.72	12.92	0.63	2131.72	
6937.00	89.90	180.30	4948.22	-2162.72	13.00	2.90	2162.72	
6969.00	91.10	181.30	4947.94	-2194.72	12.55	4.88	2194.72	
7000.00	90.10	181.00	4947.61	-2225.71	11.93	3.37	2225.71	
7031.00	89.50	182.10	4947.72	-2256.70	11.09	4.04	2256.70	

RECEIVED

APR 03 2012

KCC WICHITA

Calmena Energy Services

Company: Osage Resources
 Well: Osage 23-05H
 Location: Barber County, Kansas

Date: 9-Feb-2012
 Surveys
 Page 4
 Job# : 6283

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
7063.00	89.10	182.30	4948.11	-2288.67	9.87	1.40	2288.67	
7095.00	88.00	182.70	4948.92	-2320.63	8.47	3.66	2320.63	
7126.00	86.10	183.30	4950.52	-2351.54	6.85	6.43	2351.54	
7158.00	85.60	183.30	4952.83	-2383.41	5.01	1.56	2383.41	
7190.00	85.90	183.20	4955.20	-2415.27	3.20	0.99	2415.27	
7221.00	87.00	182.80	4957.12	-2446.17	1.58	3.77	2446.17	
7253.00	87.50	182.90	4958.66	-2478.09	0.00	1.59	2478.09	
7285.00	87.80	182.90	4959.97	-2510.02	-1.62	0.94	2510.02	
7317.00	88.20	181.80	4961.09	-2541.97	-2.93	3.66	2541.97	
7348.00	88.20	181.10	4962.06	-2572.95	-3.72	2.26	2572.95	
7379.00	88.90	180.40	4962.85	-2603.94	-4.12	3.19	2603.94	
7411.00	90.10	180.40	4963.12	-2635.93	-4.35	3.75	2635.93	
7443.00	90.60	181.40	4962.93	-2667.93	-4.85	3.49	2667.93	
7474.00	90.90	181.40	4962.52	-2698.92	-5.61	0.97	2698.92	
7506.00	90.50	181.40	4962.13	-2730.90	-6.39	1.25	2730.90	
7538.00	89.90	180.70	4962.02	-2762.90	-6.97	2.88	2762.90	
7569.00	88.80	180.10	4962.37	-2793.90	-7.19	4.04	2793.90	
7601.00	88.90	179.70	4963.01	-2825.89	-7.14	1.29	2825.89	
7633.00	89.60	179.50	4963.43	-2857.88	-6.91	2.28	2857.88	
7664.00	89.60	179.00	4963.65	-2888.88	-6.51	1.61	2888.88	
7696.00	88.50	178.70	4964.18	-2920.87	-5.86	3.56	2920.87	
7728.00	87.00	178.70	4965.44	-2952.84	-5.14	4.69	2952.84	
7759.00	85.70	178.60	4967.41	-2983.76	-4.41	4.21	2983.76	
7791.00	85.70	179.60	4969.81	-3015.67	-3.91	3.12	3015.67	
7822.00	85.80	180.10	4972.11	-3046.58	-3.83	1.64	3046.58	
7854.00	85.20	179.80	4974.62	-3078.49	-3.80	2.10	3078.49	
7885.00	85.00	179.60	4977.27	-3109.37	-3.64	0.91	3109.37	
7917.00	85.20	178.90	4980.00	-3141.25	-3.22	2.27	3141.25	
7949.00	85.70	178.60	4982.54	-3173.14	-2.53	1.82	3173.14	
7980.00	86.00	178.20	4984.78	-3204.05	-1.66	1.61	3204.05	

KCP WIP/LITVA

APR 03 2012

RECEIVED

Calmena Energy Services

Company: Osage Resources
Well: Osage 23-05H
Location: Barber County, Kansas

Date: 9-Feb-2012
Surveys
Page 5
Job# : 6283

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
8061.00	86.00	178.20	4990.43	-3284.81	0.88	0.00	3284.81	Survey Proj

RECEIVED

APR 03 2012

KCC WICHITA