



1098791

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

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	OSAGE Resources, LLC
Well Name	Osage No. HC1
Doc ID	1098791

All Electric Logs Run

Mudlog
Borehole
Density
Resistivity
Sonic
GeoPerf

Customer OSAGE Resources	Lease No.	Date 9-22-11	
Lease OSAGE	Well # HCL		
Field Order # 6691	Station Pratt	Casing 7"	Depth 5411
Type Job C.N.W. - 7" L.G.		Formation	County Barber
			State KS
			Legal Description 25-33-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 7"	Tubing Size 5 1/2"	Shots/Ft	11550	Acid AA2 1.430.10	RATE	PRESS	ISIP	
Depth 5411	Depth	From	To 10205	Pre Pad	Max		5 Min.	
Volume 1071	Volume	From	To 8205	Pad A-322 1/4" cell 1/4" L.G.	Min		10 Min.	
Max Press 1500	Max Press	From	To 2520	Frac 130 spacer	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 520	Packer Depth	From	To	Flush 205	Gas Volume		Total Load	

Customer Representative	Station Manager Dave Scott	Treater Steve Orlando
Service Units 27285 27463 19824 19860		
Driver Names Orlando Medina Lawrence		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
5:35 AM					On location - Safety Meeting
					Comm on Bottom Circulation
	300		12	6	MUD Run
	300		5	6	1100 Spacer
	250		29	6	Mix 11550 AA2 cement @ 15#/gal
					Shot Down (low pump time)
					Roller plug
	0		0	6	Start H ₂ O Displacement
	500		185	6	High pressure
	500		195	5	Slow Rate
7:30 AM	1500		205	4	Plug Down
					Job Complete
					Thanks Steve

Customer <i>Osage Resources</i>	Lease No.	Date <i>10-1-12</i>	
Lease <i>OSAGE</i>	Well # <i>HCI</i>		
Field Order # <i>6698</i>	Station <i>Piatt</i>	Casing	Depth
Type Job <i>CNW-41' Salt brine</i>	Formation	County <i>Baker</i>	State <i>MO</i>
		Legal Description <i>25-33-15</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	<i>Conent</i>	Acid <i>40% Searinger</i>	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad <i>530 Premium Conent</i>	Max		5 Min.	
Volume	Volume	From	To	Pad <i>1090 Salt</i>	Min		10 Min.	
Max Press	Max Press	From	To <i>7420</i>	Frac <i>1420</i>	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To <i>11090</i>	<i>WCA</i>	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <i>1175</i>	Gas Volume		Total Load	

Customer Representative <i>Scott</i>	Station Manager <i>Dave Scott</i>	Treater <i>Steve Orlando</i>
Service Units <i>27223 33708/20500</i>	<i>19826/19860</i>	<i>30464 37724 19907</i>
Driver Names <i>Orlando Nelson</i>	<i>Lawrence</i>	<i>Caleb Gordy</i>

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	(L/B)	Service Log
<i>3:00 AM</i>						<i>On location - Safety Meeting</i>
						<i>Pressure Test Line to 4000'</i>
						<i>T.D. 9605' 4430' 4 1/2" 11.6"</i>
						<i>4 1/2" - 9537' 3750' 4 1/2" DP 11"</i>
						<i>Hanger - 5099' 1030 HW DP</i>
	<i>500</i>		<i>12</i>	<i>5 1/2</i>		<i>Mud flush</i>
	<i>500</i>		<i>5</i>	<i>5 1/2</i>		<i>1100 spacer</i>
	<i>500</i>		<i>14</i>	<i>5 1/2</i>		<i>Mix 40% Searinger Premium Conent @ 13#/gal</i>
	<i>400</i>		<i>117</i>	<i>5 1/2</i>		<i>Mix 530% Searinger Premium Conent @ 15.6#/gal</i>
						<i>Clear Pump then with Sugar HDU</i>
						<i>Drop Latch in plug</i>
	<i>10</i>		<i>0</i>	<i>6</i>		<i>Start 1100 Displacement w/ 290 KCL</i>
						<i>with Sugar in first 10 bbl</i>
	<i>800</i>		<i>39</i>	<i>5</i>		<i>Slow Down @ 39 bbl 2700 Tolatic</i>
	<i>1300</i>		<i>107</i>	<i>4</i>		<i>Slow Down @ 107 bbl</i>
	<i>1800</i>		<i>118</i>	<i>4</i>		<i>Land Plug Release PSI - Held</i>
						<i>No Rotations</i>
	<i>2700</i>					<i>No pressure plug to burst Disc</i>
			<i>80</i>			<i>Pump out isolation of Sugar</i>
	<i>1500</i>		<i>140</i>			<i>evade Sub Complete Clear water Top +</i>
						<i>Thank Steve</i>
						<i>Circulated 20 bbl Conent Top +</i>

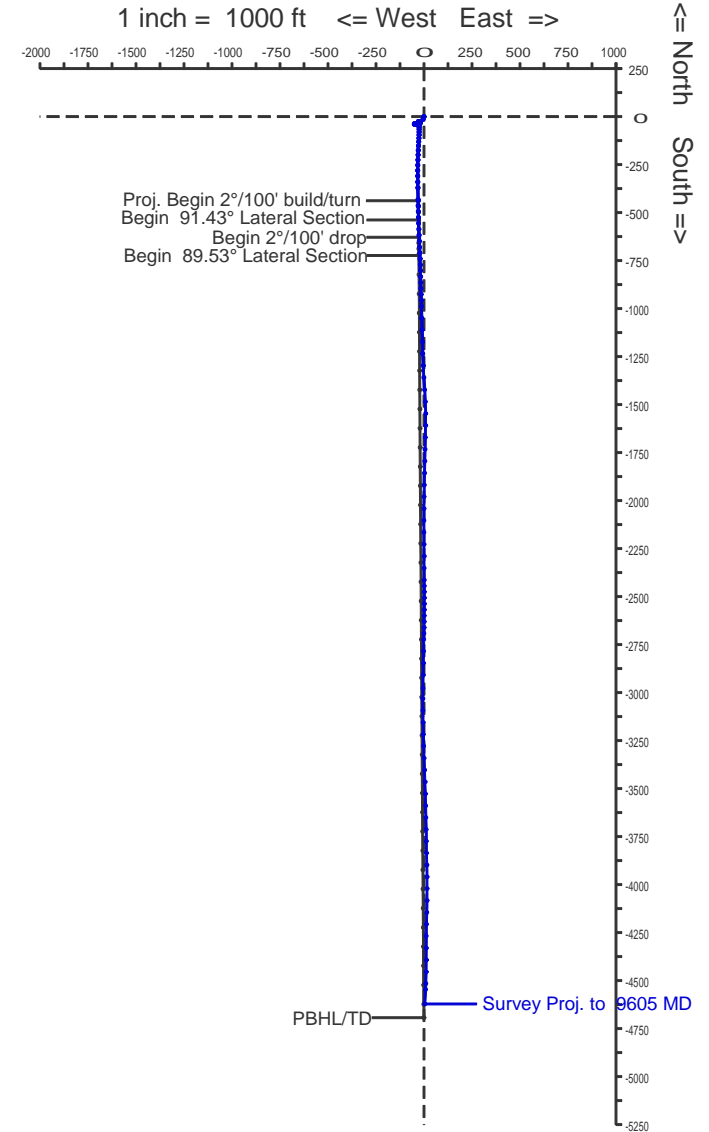
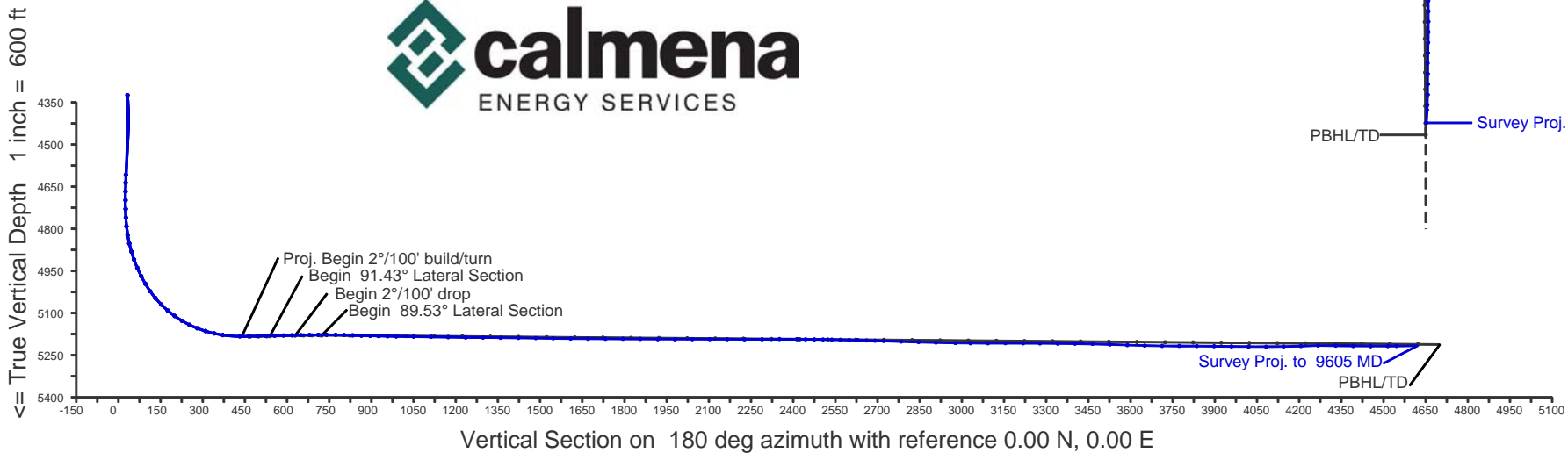
Osage Resources

Osage HC1

Barber County, Kansas

WELL PROFILE DATA rev3							
MD	Inc.	Azi.	TVD	N-S	E-W	DLS	Comment
5420	90.10	178.12	5184	-438	-29	0.00	Proj. Begin 2°/100' build/turn
5520	91.43	179.62	5182	-538	-27	2.00	Begin 91.43° Lateral Section
5610	91.43	179.62	5180	-628	-27	0.00	Begin 2°/100' drop
5705	89.53	179.62	5179	-723	-26	2.00	Begin 89.53° Lateral Section
9675	89.53	179.62	5212	-4693	0	0.00	PBHL/TD

WELL PROFILE DATA svys							
MD	Inc.	Azi.	TVD	N-S	E-W	DLS	Comment
9605	90.70	182.60	5216	-4621	5	0.00	Survey Proj. to 9605 MD



Calmena Energy Services

Company: Osage Resources, LLC
 Well: Osage HC1
 Location: Barber County, Kansas

Date: 29-Sep-2012
 Surveys
 Page 1
 Job# : 6725

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	
508.00	0.40	197.70	508.00	-1.69	-0.54	0.08	1.69	
973.00	3.10	198.00	972.74	-15.20	-4.92	0.58	15.20	
1445.00	2.90	236.50	1444.14	-33.93	-18.82	0.42	33.93	
1938.00	1.50	266.90	1936.78	-41.16	-35.66	0.36	41.16	
2399.00	0.80	265.50	2397.68	-41.74	-44.90	0.15	41.74	
2892.00	0.70	322.50	2890.64	-39.62	-50.16	0.15	39.62	
3356.00	1.20	59.00	3354.60	-34.87	-47.72	0.31	34.87	
3948.00	1.50	102.40	3946.45	-33.34	-34.84	0.18	33.34	
4326.00	0.80	8.00	4324.40	-31.79	-29.64	0.46	31.79	
4610.00	1.70	26.50	4608.33	-26.05	-27.49	0.34	26.05	
4638.00	1.40	17.80	4636.32	-25.36	-27.20	1.36	25.36	
4669.00	0.60	38.60	4667.31	-24.87	-26.98	2.79	24.87	
4700.00	0.80	197.30	4698.31	-24.95	-26.94	4.44	24.95	
4731.00	1.60	240.20	4729.30	-25.37	-27.38	3.71	25.37	
4762.00	2.20	182.70	4760.29	-26.18	-27.79	6.13	26.18	
4793.00	5.30	166.20	4791.22	-28.17	-27.47	10.49	28.17	
4824.00	9.60	171.50	4821.95	-32.11	-26.75	14.03	32.11	
4855.00	13.10	175.30	4852.34	-38.17	-26.08	11.54	38.17	
4885.00	16.60	177.80	4881.34	-45.85	-25.64	11.86	45.85	
4915.00	20.20	178.20	4909.80	-55.31	-25.31	12.01	55.31	
4946.00	23.30	179.20	4938.59	-66.79	-25.05	10.07	66.79	
4979.00	26.60	180.60	4968.50	-80.71	-25.04	10.16	80.71	
5010.00	30.30	181.70	4995.75	-95.47	-25.35	12.05	95.47	
5041.00	35.00	182.90	5021.85	-112.18	-26.03	15.30	112.18	
5072.00	39.80	183.40	5046.47	-130.97	-27.07	15.51	130.97	
5104.00	44.80	183.40	5070.13	-152.46	-28.34	15.63	152.46	
5135.00	49.60	182.70	5091.19	-175.17	-29.55	15.57	175.17	
5166.00	54.20	181.80	5110.31	-199.54	-30.50	15.01	199.54	
5197.00	59.10	181.50	5127.35	-225.42	-31.24	15.83	225.42	

Calmena Energy Services

Company: Osage Resources, LLC
 Well: Osage HC1
 Location: Barber County, Kansas

Date: 29-Sep-2012
 Surveys
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 Job# : 6725

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
5228.00	64.10	181.50	5142.09	-252.67	-31.96	16.13	252.67	
5258.00	69.20	180.60	5153.97	-280.20	-32.46	17.22	280.20	
5289.00	72.80	179.20	5164.06	-309.50	-32.40	12.37	309.50	
5321.00	76.60	179.00	5172.51	-340.36	-31.92	11.89	340.36	
5352.00	81.30	178.70	5178.45	-370.77	-31.30	15.19	370.77	
5413.00	90.30	179.70	5182.91	-431.53	-30.46	14.84	431.53	
5445.00	90.70	178.70	5182.63	-463.53	-30.01	3.37	463.53	
5475.00	91.10	178.30	5182.16	-493.52	-29.23	1.89	493.52	
5506.00	91.50	178.70	5181.46	-524.50	-28.42	1.82	524.50	
5537.00	91.70	178.30	5180.59	-555.47	-27.61	1.44	555.47	
5568.00	91.10	177.60	5179.83	-586.44	-26.50	2.97	586.44	
5599.00	91.10	177.80	5179.24	-617.41	-25.25	0.65	617.41	
5630.00	91.30	178.00	5178.59	-648.39	-24.12	0.91	648.39	
5661.00	90.80	177.30	5178.02	-679.35	-22.85	2.77	679.35	
5692.00	90.50	177.30	5177.67	-710.32	-21.39	0.97	710.32	
5722.00	90.30	177.40	5177.46	-740.29	-20.00	0.75	740.29	
5754.00	89.30	177.80	5177.57	-772.26	-18.66	3.37	772.26	
5784.00	88.20	178.50	5178.23	-802.23	-17.69	4.35	802.23	
5815.00	87.90	178.90	5179.28	-833.21	-16.99	1.61	833.21	
5846.00	88.30	179.00	5180.31	-864.19	-16.42	1.33	864.19	
5877.00	88.50	178.30	5181.17	-895.16	-15.69	2.35	895.16	
5908.00	88.70	178.30	5181.93	-926.14	-14.77	0.65	926.14	
5939.00	89.00	177.80	5182.55	-957.12	-13.72	1.88	957.12	
5970.00	89.50	178.50	5182.96	-988.10	-12.72	2.77	988.10	
6032.00	89.10	178.70	5183.72	-1050.08	-11.20	0.72	1050.08	
6093.00	89.40	178.30	5184.52	-1111.05	-9.60	0.82	1111.05	
6155.00	88.80	178.50	5185.49	-1173.02	-7.87	1.02	1173.02	
6217.00	89.00	178.20	5186.68	-1234.98	-6.09	0.58	1234.98	
6279.00	89.30	177.30	5187.60	-1296.92	-3.65	1.53	1296.92	
6341.00	89.80	176.60	5188.09	-1358.83	-0.36	1.39	1358.83	

Calmena Energy Services

Company: Osage Resources, LLC
 Well: Osage HC1
 Location: Barber County, Kansas

Date: 29-Sep-2012
 Surveys
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 Job# : 6725

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
6405.00	89.30	176.40	5188.59	-1422.71	3.55	0.84	1422.71	
6467.00	89.50	176.90	5189.24	-1484.60	7.17	0.87	1484.60	
6529.00	89.40	178.70	5189.83	-1546.55	9.55	2.91	1546.55	
6591.00	88.90	182.00	5190.75	-1608.53	9.18	5.38	1608.53	
6653.00	89.80	181.70	5191.46	-1670.50	7.17	1.53	1670.50	
6715.00	90.10	181.20	5191.51	-1732.48	5.61	0.94	1732.48	
6777.00	89.90	180.70	5191.51	-1794.47	4.58	0.87	1794.47	
6839.00	89.00	181.60	5192.11	-1856.45	3.33	2.05	1856.45	
6901.00	89.40	181.60	5192.97	-1918.42	1.60	0.65	1918.42	
6962.00	90.00	180.40	5193.29	-1979.41	0.54	2.20	1979.41	
7024.00	90.60	180.50	5192.97	-2041.41	0.05	0.98	2041.41	
7086.00	89.70	180.40	5192.80	-2103.40	-0.44	1.46	2103.40	
7148.00	89.60	179.70	5193.18	-2165.40	-0.49	1.14	2165.40	
7210.00	89.60	178.10	5193.62	-2227.39	0.70	2.58	2227.39	
7272.00	90.90	180.70	5193.34	-2289.38	1.35	4.69	2289.38	
7334.00	90.50	180.40	5192.59	-2351.37	0.75	0.81	2351.37	
7396.00	88.90	179.30	5192.91	-2413.37	0.92	3.13	2413.37	
7427.00	89.20	179.00	5193.43	-2444.36	1.38	1.37	2444.36	
7458.00	89.70	179.50	5193.72	-2475.35	1.78	2.28	2475.35	
7489.00	89.30	179.80	5193.99	-2506.35	1.97	1.61	2506.35	
7520.00	88.60	180.50	5194.56	-2537.35	1.89	3.19	2537.35	
7551.00	88.80	180.40	5195.27	-2568.34	1.65	0.72	2568.34	
7582.00	88.90	180.20	5195.89	-2599.33	1.48	0.72	2599.33	
7613.00	88.60	180.20	5196.56	-2630.32	1.38	0.97	2630.32	
7644.00	88.10	181.90	5197.46	-2661.30	0.81	5.71	2661.30	
7674.00	87.90	181.80	5198.50	-2691.27	-0.16	0.75	2691.27	
7705.00	88.00	181.40	5199.61	-2722.24	-1.02	1.33	2722.24	
7767.00	88.20	180.90	5201.67	-2784.19	-2.27	0.87	2784.19	
7829.00	88.50	180.90	5203.45	-2846.16	-3.24	0.48	2846.16	
7891.00	88.70	180.70	5204.97	-2908.13	-4.11	0.46	2908.13	

Calmena Energy Services

Company: Osage Resources, LLC
 Well: Osage HC1
 Location: Barber County, Kansas

Date: 29-Sep-2012
 Surveys
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 Job# : 6725

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.00° Az (feet)	Comments
7960.00	88.50	180.90	5206.65	-2977.11	-5.07	0.41	2977.11	
8014.00	89.60	180.00	5207.55	-3031.09	-5.49	2.63	3031.09	
8076.00	90.30	179.50	5207.60	-3093.09	-5.22	1.39	3093.09	
8138.00	90.50	179.30	5207.17	-3155.09	-4.57	0.46	3155.09	
8201.00	89.10	178.60	5207.39	-3218.08	-3.42	2.48	3218.08	
8261.00	89.60	178.10	5208.07	-3278.05	-1.69	1.18	3278.05	
8324.00	89.50	177.70	5208.57	-3341.00	0.62	0.65	3341.00	
8386.00	89.80	177.20	5208.94	-3402.94	3.37	0.94	3402.94	
8448.00	89.00	177.90	5209.59	-3464.88	6.02	1.71	3464.88	
8510.00	87.00	178.80	5211.76	-3526.81	7.81	3.54	3526.81	
8572.00	88.50	179.30	5214.19	-3588.75	8.84	2.55	3588.75	
8634.00	88.10	178.80	5216.03	-3650.72	9.86	1.03	3650.72	
8696.00	90.10	179.00	5217.00	-3712.69	11.05	3.24	3712.69	
8757.00	89.70	179.30	5217.11	-3773.69	11.96	0.82	3773.69	
8819.00	89.60	178.60	5217.49	-3835.68	13.09	1.14	3835.68	
8881.00	89.30	177.90	5218.08	-3897.64	14.99	1.23	3897.64	
8943.00	89.40	180.00	5218.79	-3959.63	16.12	3.39	3959.63	
9004.00	89.20	180.20	5219.53	-4020.62	16.02	0.46	4020.62	
9066.00	90.10	180.00	5219.91	-4082.62	15.91	1.49	4082.62	
9128.00	91.40	182.30	5219.10	-4144.60	14.67	4.26	4144.60	
9190.00	91.90	181.40	5217.32	-4206.54	12.66	1.66	4206.54	
9251.00	91.30	180.70	5215.61	-4267.50	11.55	1.51	4267.50	
9314.00	88.20	178.60	5215.89	-4330.49	11.93	5.94	4330.49	
9376.00	88.60	180.00	5217.62	-4392.46	12.69	2.35	4392.46	
9438.00	90.40	181.60	5218.16	-4454.45	11.82	3.88	4454.45	
9499.00	90.70	182.50	5217.57	-4515.40	9.64	1.56	4515.40	
9530.00	90.70	182.60	5217.20	-4546.37	8.26	0.32	4546.37	
9605.00	90.70	182.60	5216.28	-4621.29	4.86	0.00	4621.29	Survey proj

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 02, 2012

Brooke Walter
OSAGE Resources, LLC
6209 N K61 HWY
HUTCHINSON, KS 67502-8608

Re: ACO1
API 15-007-23931-01-00
Osage No. HC1
SE/4 Sec.25-33S-15W
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,
Brooke Walter

Osage
HC3

Osage
3315 25-03 HC

Osage
HC1

Prod Fm - 618' →

Perf - 771' →

SE/4 25-T33S-R15W

NE/4 36-T33S-R15W

Perf - 1409' →

Osage
107

Toe - 392' →



Osage HC1 ACO1 Map

Schematic

Barber County, KS

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By Brooke Walter

November 2, 2012