



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1159635
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: _____



1159635

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: 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	David 3306 1-23H
Doc ID	1159635

All Electric Logs Run

Boresight
Mud Log
Prizm Log
Induction
Nuclear

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	David 3306 1-23H
Doc ID	1159635

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8428-8724	1500 gals 15% HCL, 5974 bbls slickwater, TLTR 6326 bbls	
5	8062-8359	1500 gals 15% HCL, 5662 bbls slickwater, TLTR 11982 bbls	
5	7689-7980	1500 gals 15% HCL, 5803 bbls slickwater, TLTR 17604 bbls	
5	7353-7611	1500 gals 15% HCL, 5401 bbls slickwater, TLTR 23122 bbls	
5	7030-7300	1500 gals 15% HCL, 5488 bbls slickwater, TLTR 28713 bbls	
5	6676-6948	1500 gals 15% HCL, 5488 bbls slickwater, TLTR 34279 bbls	
5	6334-6604	1500 gals 15% HCL, 5351 bbls slickwater, TLTR 39706 bbls	
5	5950-6212	1500 gals 15% HCL, 5537 bbls slickwater, TLTR 45711 bbls	
5	5610-5842	1500 gals 15% HCL, 5580 bbls slickwater, TLTR 50683 bbls	
5	5184-5529	1500 gals 15% HCL, 5455 bbls slickwater, TLTR 56102 bbls	

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

September 24, 2013

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21956-01-00
David 3306 1-23H
NE/4 Sec.23-33S-06W
Harper 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,
Tiffany Golay

Standard Wellpath Report
 Sandridge
 Sec 23 - 33S - 6W, Kansas
 Harper County
 Wellbore: David 3306 1-23H (Actual)

Wellbore

Name	Created	Last Revised
David 3306 1-23H (Actual)	9-Aug-2013	23-Sep-2013

Well

Name	Government ID	Last Revised
David 3306 1-23H		9-Aug-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
David 3306 1-23H	182619.0000	2164886.0000	N37 10 0.5883	W97 56 3.0061	235.00S	1296.98W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2166183.0000	182854.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 23 - 33S - 6W	2166183.0000	182854.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

<p>FINAL SURVEYS: MD 8814 is a projection to bit @ TD</p>
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Standard Wellpath Report
Sandridge
Sec 23 - 33S - 6W, Kansas
Harper County
Wellbore: David 3306 1-23H (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	2164886.00	182619.00
688.00	1.20	87.800	687.95	0.28N	7.20E	0.17	0.77	2164893.20	182619.28
1057.00	1.10	102.800	1056.88	0.36S	14.51E	0.09	2.47	2164900.51	182618.64
1210.00	0.90	101.000	1209.85	0.91S	17.13E	0.13	3.39	2164903.13	182618.09
1271.00	2.00	105.700	1270.83	1.29S	18.62E	1.81	3.99	2164904.62	182617.71
1333.00	2.80	98.300	1332.78	1.81S	21.16E	1.38	4.86	2164907.16	182617.19
1395.00	4.00	94.100	1394.67	2.18S	24.82E	1.98	5.76	2164910.82	182616.82
1457.00	5.40	90.800	1456.46	2.37S	29.89E	2.30	6.69	2164915.89	182616.63
1520.00	7.30	91.300	1519.07	2.51S	36.86E	3.02	7.84	2164922.86	182616.49
1584.00	8.70	94.500	1582.44	2.98S	45.75E	2.29	9.60	2164931.75	182616.02
1647.00	9.20	100.400	1644.68	4.26S	55.45E	1.66	12.27	2164941.45	182614.74
1712.00	9.70	100.900	1708.80	6.23S	65.94E	0.78	15.75	2164951.94	182612.77
1775.00	10.90	100.100	1770.78	8.28S	77.02E	1.92	19.39	2164963.02	182610.72
1838.00	12.50	101.600	1832.47	10.70S	89.56E	2.58	23.60	2164975.56	182608.30
1901.00	13.00	101.300	1893.92	13.46S	103.19E	0.80	28.31	2164989.19	182605.54
1965.00	12.50	101.300	1956.34	16.23S	117.04E	0.78	33.06	2165003.04	182602.77
2028.00	13.50	99.000	2017.72	18.71S	130.99E	1.79	37.55	2165016.99	182600.29
2092.00	14.50	99.400	2079.82	21.19S	146.27E	1.57	42.22	2165032.27	182597.81
2187.00	13.60	96.800	2171.98	24.45S	169.09E	1.16	48.77	2165055.10	182594.55
2282.00	13.10	96.100	2264.41	26.92S	190.89E	0.55	54.38	2165076.89	182592.08
2345.00	13.90	98.300	2325.67	28.77S	205.48E	1.51	58.33	2165091.48	182590.23
2376.00	14.30	100.500	2355.74	30.01S	212.93E	2.16	60.63	2165098.93	182588.99
2440.00	14.00	99.200	2417.79	32.69S	228.34E	0.68	65.52	2165114.34	182586.31
2503.00	14.00	99.900	2478.92	35.21S	243.37E	0.27	70.21	2165129.37	182583.79
2566.00	13.70	104.100	2540.09	38.34S	258.11E	1.66	75.45	2165144.12	182580.66
2630.00	13.50	103.400	2602.30	41.92S	272.73E	0.40	81.11	2165158.74	182577.08
2693.00	13.60	101.200	2663.55	45.06S	287.15E	0.83	86.32	2165173.16	182573.94
2756.00	13.90	102.000	2724.74	48.07S	301.82E	0.56	91.43	2165187.82	182570.93
2819.00	13.70	102.200	2785.92	51.22S	316.51E	0.33	96.68	2165202.52	182567.78
2883.00	13.50	100.200	2848.13	54.15S	331.27E	0.80	101.72	2165217.28	182564.85
2946.00	13.70	103.700	2909.36	57.22S	345.76E	1.34	106.86	2165231.76	182561.78
3009.00	12.50	101.500	2970.72	60.34S	359.69E	2.06	111.98	2165245.69	182558.66
3072.00	12.70	99.900	3032.20	62.89S	373.19E	0.64	116.46	2165259.20	182556.11
3135.00	13.50	99.200	3093.56	65.26S	387.27E	1.29	120.85	2165273.28	182553.74
3198.00	14.00	100.900	3154.76	67.88S	402.01E	1.02	125.58	2165288.02	182551.12
3261.00	13.50	100.600	3215.95	70.67S	416.72E	0.80	130.48	2165302.73	182548.33
3325.00	13.10	99.300	3278.24	73.22S	431.22E	0.78	135.11	2165317.23	182545.78
3389.00	12.70	101.700	3340.62	75.82S	445.27E	1.04	139.72	2165331.28	182543.18
3452.00	12.90	101.900	3402.06	78.67S	458.93E	0.33	144.53	2165344.94	182540.33
3516.00	13.40	98.700	3464.38	81.26S	473.26E	1.38	149.18	2165359.26	182537.73
3580.00	13.20	98.500	3526.66	83.47S	487.81E	0.32	153.48	2165373.82	182535.53
3612.00	13.20	98.700	3557.82	84.56S	495.04E	0.14	155.61	2165381.05	182534.44
3675.00	13.00	96.900	3619.18	86.50S	509.18E	0.72	159.58	2165395.19	182532.50
3706.00	12.80	96.100	3649.39	87.28S	516.06E	0.86	161.36	2165402.07	182531.72
3738.00	13.50	99.600	3680.56	88.28S	523.27E	3.31	163.39	2165409.28	182530.72
3770.00	14.70	104.600	3711.59	89.93S	530.88E	5.34	166.13	2165416.89	182529.07
3801.00	16.10	110.100	3741.48	92.40S	538.72E	6.52	169.71	2165424.73	182526.60
3834.00	17.90	118.500	3773.04	96.39S	547.48E	9.21	174.93	2165433.49	182522.61
3865.00	19.80	124.300	3802.38	101.62S	556.00E	8.60	181.35	2165442.01	182517.37
3897.00	21.60	129.500	3832.32	108.43S	565.03E	8.03	189.39	2165451.04	182510.57
3929.00	23.10	135.900	3861.92	116.68S	573.94E	8.93	198.86	2165459.95	182502.32
3960.00	23.50	142.600	3890.39	125.96S	581.93E	8.64	209.20	2165467.94	182493.04
3992.00	24.20	149.500	3919.67	136.68S	589.14E	8.98	220.85	2165475.15	182482.32
4023.00	26.00	153.900	3947.74	148.26S	595.35E	8.36	233.21	2165481.36	182470.74
4055.00	28.20	156.800	3976.23	161.51S	601.42E	8.02	247.20	2165487.43	182457.49
4087.00	30.20	160.300	4004.16	176.04S	607.11E	8.22	262.40	2165493.12	182442.96
4118.00	30.90	164.700	4030.86	191.06S	611.84E	7.56	277.95	2165497.85	182427.94
4150.00	32.60	167.400	4058.07	207.40S	615.89E	6.92	294.71	2165501.90	182411.60
4182.00	34.70	169.300	4084.71	224.77S	619.46E	7.34	312.41	2165505.47	182394.23
4213.00	37.00	171.000	4109.83	242.65S	622.56E	8.08	330.55	2165508.57	182376.34
4245.00	39.50	172.600	4134.96	262.26S	625.38E	8.40	350.36	2165511.39	182356.74
4276.00	42.20	173.700	4158.41	282.39S	627.79E	9.01	370.63	2165513.80	182336.61
4308.00	45.00	174.200	4181.58	304.33S	630.11E	8.82	392.68	2165516.12	182314.66
4340.00	47.50	175.100	4203.71	327.34S	632.26E	8.07	415.76	2165518.27	182291.65
4372.00	50.00	175.700	4224.81	351.32S	634.19E	7.94	439.76	2165520.20	182267.67
4404.00	52.60	176.800	4244.81	376.24S	635.82E	8.56	464.65	2165521.83	182242.75
4436.00	55.50	177.700	4263.60	402.11S	637.06E	9.34	490.43	2165523.07	182216.88
4467.00	58.40	178.300	4280.50	428.08S	637.96E	9.49	516.25	2165523.97	182190.91
4499.00	61.20	178.400	4296.60	455.72S	638.76E	8.75	543.72	2165524.77	182163.27
4532.00	63.60	179.200	4311.89	484.96S	639.37E	7.58	572.73	2165525.38	182134.03
4563.00	65.90	179.500	4325.11	512.99S	639.69E	7.47	600.51	2165525.70	182106.00
4595.00	68.20	179.800	4337.59	542.46S	639.86E	7.24	629.69	2165525.88	182076.53

All data is in Feet unless otherwise stated
Coordinates are from Slot and TVD's are from Slot (David 3306 1-23H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 171.640 degrees
Bottom hole distance is 4801.25 Feet on azimuth 171.88 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 23-Sep-2013

Standard Wellpath Report
Sandridge
Sec 23 - 33S - 6W, Kansas
Harper County
Wellbore: David 3306 1-23H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
4627.00	71.00	179.500	4348.74	572.45S	640.05E	8.79	659.39	2165526.06	182046.54
4659.00	73.80	180.000	4358.41	602.94S	640.18E	8.88	689.58	2165526.19	182016.04
4690.00	75.90	179.800	4366.51	632.87S	640.23E	6.80	719.19	2165526.25	181986.12
4722.00	77.90	179.200	4373.77	664.03S	640.51E	6.51	750.07	2165526.52	181954.96
4754.00	80.50	179.300	4379.76	695.46S	640.92E	8.13	781.22	2165526.93	181923.53
4785.00	83.00	179.200	4384.21	726.13S	641.32E	8.07	811.63	2165527.33	181892.85
4817.00	85.30	179.200	4387.47	757.96S	641.76E	7.19	843.18	2165527.78	181861.03
4849.00	87.50	178.900	4389.48	789.89S	642.29E	6.94	874.85	2165528.30	181829.09
4880.00	87.70	178.600	4390.78	820.86S	642.97E	1.16	905.59	2165528.98	181798.13
4912.00	88.10	178.800	4391.95	852.83S	643.69E	1.40	937.32	2165529.71	181766.16
4943.00	88.20	178.100	4392.95	883.80S	644.53E	2.28	968.09	2165530.54	181735.18
4975.00	88.50	178.400	4393.87	915.77S	645.51E	1.33	999.86	2165531.52	181703.21
5007.00	88.70	178.100	4394.66	947.75S	646.49E	1.13	1031.64	2165532.50	181671.24
5038.00	89.00	178.300	4395.28	978.72S	647.46E	1.16	1062.43	2165533.47	181640.26
5070.00	89.40	178.600	4395.73	1010.71S	648.32E	1.56	1094.20	2165534.34	181608.27
5101.00	89.30	178.000	4396.08	1041.69S	649.24E	1.96	1124.99	2165535.26	181577.29
5124.00	89.50	177.600	4396.32	1064.68S	650.13E	1.94	1147.86	2165536.14	181554.30
5205.00	90.30	178.100	4396.46	1145.62S	653.17E	1.16	1228.38	2165539.18	181473.36
5266.00	90.90	177.700	4395.82	1206.57S	655.40E	1.18	1289.01	2165541.41	181412.40
5359.00	91.60	177.900	4393.79	1299.48S	658.97E	0.78	1381.45	2165544.98	181319.49
5451.00	91.80	177.100	4391.06	1391.35S	662.98E	0.90	1472.93	2165548.99	181227.62
5542.00	92.30	178.200	4387.81	1482.22S	666.71E	1.33	1563.37	2165552.72	181136.76
5635.00	91.90	180.000	4384.40	1575.14S	668.17E	1.98	1655.52	2165554.18	181043.83
5727.00	90.30	180.100	4382.63	1667.12S	668.09E	1.74	1746.51	2165554.10	180951.85
5819.00	90.20	180.200	4382.23	1759.12S	667.85E	0.15	1837.50	2165553.86	180859.85
5911.00	90.70	180.000	4381.51	1851.11S	667.69E	0.59	1928.50	2165553.70	180767.85
6003.00	89.60	179.900	4381.27	1943.11S	667.77E	1.20	2019.53	2165553.78	180675.85
6096.00	89.70	179.800	4381.84	2036.11S	668.01E	0.15	2111.58	2165554.02	180582.85
6188.00	90.10	180.300	4382.00	2128.11S	667.93E	0.70	2202.59	2165553.94	180490.85
6281.00	88.60	180.100	4383.05	2221.10S	667.61E	1.63	2294.54	2165553.62	180397.86
6372.00	89.10	179.800	4384.88	2312.08S	667.69E	0.64	2384.57	2165553.70	180306.87
6464.00	90.00	179.800	4385.60	2404.08S	668.01E	0.98	2475.64	2165554.02	180214.88
6557.00	90.50	179.300	4385.19	2497.07S	668.74E	0.76	2567.75	2165554.75	180121.88
6652.00	89.60	179.700	4385.11	2592.07S	669.57E	1.04	2661.86	2165555.58	180026.88
6747.00	89.90	179.400	4385.53	2687.06S	670.31E	0.45	2755.95	2165556.33	179931.89
6841.00	88.70	179.000	4386.67	2781.05S	671.63E	1.35	2849.13	2165557.64	179837.90
6937.00	89.50	178.800	4388.18	2877.01S	673.47E	0.86	2944.35	2165559.48	179741.93
7031.00	89.50	180.100	4389.00	2971.00S	674.37E	1.38	3037.47	2165560.38	179647.94
7126.00	89.30	180.000	4390.00	3066.00S	674.29E	0.24	3131.44	2165560.30	179552.94
7218.00	89.70	178.900	4390.80	3157.99S	675.17E	1.27	3222.59	2165561.18	179460.95
7316.00	90.80	178.400	4390.37	3255.96S	677.48E	1.23	3319.85	2165563.49	179362.98
7412.00	89.30	179.200	4390.29	3351.94S	679.49E	1.77	3415.10	2165565.50	179267.00
7507.00	90.30	179.500	4390.62	3446.93S	680.57E	1.10	3509.24	2165566.58	179172.01
7602.00	90.00	179.100	4390.37	3541.92S	681.73E	0.53	3603.39	2165567.74	179077.01
7697.00	90.80	179.900	4389.71	3636.91S	682.56E	1.19	3697.50	2165568.57	178982.02
7792.00	88.60	180.000	4390.21	3731.91S	682.64E	2.32	3791.49	2165568.65	178887.02
7887.00	89.40	179.400	4391.86	3826.89S	683.14E	1.05	3885.54	2165569.15	178792.04
7981.00	89.30	180.700	4392.93	3920.88S	683.06E	1.39	3978.52	2165569.07	178698.04
8076.00	87.50	181.800	4395.58	4015.82S	680.98E	2.22	4072.15	2165567.00	178603.11
8171.00	88.20	182.700	4399.15	4110.67S	677.26E	1.20	4165.46	2165563.27	178508.25
8267.00	87.70	181.500	4402.58	4206.55S	673.74E	1.35	4259.80	2165559.75	178412.37
8361.00	88.30	180.500	4405.86	4300.47S	672.10E	1.24	4352.49	2165558.11	178318.45
8457.00	92.60	180.000	4405.11	4396.45S	671.68E	4.51	4447.39	2165557.70	178222.47
8552.00	92.50	179.400	4400.88	4491.35S	672.18E	0.64	4541.35	2165558.19	178127.56
8647.00	90.80	178.800	4398.15	4586.29S	673.67E	1.90	4635.51	2165559.68	178032.62
8742.00	87.40	178.500	4399.64	4681.24S	675.91E	3.59	4729.77	2165561.92	177937.67
8768.00	87.30	178.300	4400.84	4707.20S	676.63E	0.86	4755.56	2165562.65	177911.71
8814.00	87.30	178.300	4403.01	4753.13S	678.00E	==>	4801.20	2165564.01	177865.78

All data is in Feet unless otherwise stated
Coordinates are from Slot and TVD's are from Slot (David 3306 1-23H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 171.640 degrees
Bottom hole distance is 4801.25 Feet on azimuth 171.88 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 23-Sep-2013

Standard Wellpath Report
Sandridge
Sec 23 - 33S - 6W, Kansas
Harper County
Wellbore: David 3306 1-23H (Actual)

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (David 3306 1-23H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 171.640 degrees
Bottom hole distance is 4801.25 Feet on azimuth 171.88 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 23-Sep-2013

Section 14
33S 6W

Section 13
33S 6W

DAVID 3306 1-23H



Miss Entry: 4631'
-97.932245 37.16533

Top Perf: 5184'
-97.932159 37.163772

Harper County

Section 23
33S 6W

Section 24
33S 6W

BHL: 8814'
-97.931819 37.153963

Bottom Perf: 8724'
-97.931831 37.154159

451' FSL

535' FEL

Section 26
33S 6W

Section 25
33S 6W



Actual Bottom-Hole Location of David 3306 1-23H
Harper County, Kansas
T&R: 33S 6W
Section: 23, 535' FEL & 451' FSL
-97.931819 37.153963

1 in = 624 ft



● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

0 500 1,000 2,000 Feet

Draftsman:

Aaron Birk

Draft Date: 12/17/2013

Drawing Name/Number:

Addendum_David 3306 1-23H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502



INVOICE

DATE	INVOICE #
8/31/2013	4185

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D.	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
HARPER, KS	8/30/2013	3258	UNIT 9	DAVID 3306 1-23H	Due on rec...

Description				
DRILLED 78' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 78' OF 20" CONDUCTOR PIPE FURNISHED 1 (LOADS) MUD FURNISHED WELDER AND MATERIALS FURNISHED 9 YARDS OF GRADE A CEMENT FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 14" CONDUCTOR PIPE FOR MOUSE HOLE TOTAL BID \$ 16,250.00				
AFE Number: <u>13062</u> Well Name: <u>David 123H</u> Code: <u>550-010</u> Amount: <u>16,402.40</u> Co. Man: <u>Edwin Taylor</u> Co. Man Sig: <u>[Signature]</u> Notes: _____				
<table border="1"> <tr> <td>Sales Tax (6.15%)</td> <td>\$152.40</td> </tr> <tr> <td>TOTAL</td> <td>\$16,402.40</td> </tr> </table>	Sales Tax (6.15%)	\$152.40	TOTAL	\$16,402.40
Sales Tax (6.15%)	\$152.40			
TOTAL	\$16,402.40			

JOB SUMMARY			PROJECT NUMBER SOK 3019	TICKET DATE 09/08/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Quincy Loven	
LEASE NAME David 3306	Well No. 1-23H	JOB TYPE Surface	EMPLOYEE NAME Robert Burris	

EMP NAME					
Robert Burris		0			
Mike Hall					
Cheryl Newton					
Bryan Douglas					

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0

Bottom Hole Temp. _____ 80 Pressure _____

Retainer Depth _____ Total Depth _____ 642

	Called Out	On Location	Job Started	Job Completed
Date	9/7/2013	9/7/2013	9/7/2013	9/7/2013
Time	16:30	17:00	23:45	01:30

Tools and Accessories		
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	646
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	642
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water	BBL.	10 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
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/7	7.0	9/7	1.0	Surface
Total	7.0	Total	1.0	

Pressures	
MAX	1,500 PSI
AVG.	200
Average Rates in BPM	
MAX	6 BPM
AVG	4
Cement Left in Pipe	
Feet	45
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	250	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/2pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	140	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
3	0	0		0.00	0.00	0.00

Summary							
Preflush Breakdown	Type:	MAXIMUM	1,500 PSI	Preflush:	BBI	10.00	Type: Fresh Water
	Lost Returns-n	NO/FULL		Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal N/A
	Actual TOC	SURFACE		Excess /Return	BBI	46	Calc. Disp Bbl 47
Average	Bump Plug PSI:	850		Calc. TOC:		SURFACE	Actual Disp. 46.00
'SIP	5 Min.	10 Min.	15 Min.	Final Circ.	PSI:	350	Disp:Bbl
				Cement Slurry:	BBI	115.0	
				Total Volume	BBI	171.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 3036	TICKET DATE 09/15/13
COUNTY Harper	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Dwayne Burt	
LEASE NAME David 3306	Well No. 1-23H	JOB TYPE Intermediate	EMPLOYEE NAME Arthur Setzer	

EMP NAME	Arthur Setzer	0							
	Jared Green								
	Robert Stonehocker								
	Brian Douglas								

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **0**

Date	Called Out	On Location	Job Started	Job Completed
	9/14/2013	9/15/2013	9/15/2013	9/15/2013
Time	2000	0100	0800	1000

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

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface	5,147	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/2"		Surface	0	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	
9/15	9.0	9/15	2.0	Intermediate
Total	9.0	Total	2.0	

Pressures	
MAX 5,000 PSI	AVG. 1600
Average Rates in BPM	
MAX 8 BPM	AVG 5
Cement Left in Pipe	
Feet 87	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	230	50/50 POZ PREMIUM	4% Gel - 0.4% FL-17 - 0.2% C-51 - 0.1% C-20 - 0.1% C-37 - 0.5% C-41P	6.77	1.44	13.60
2	100	Premium	0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	10	Type:	Caustic	Preflush:	BBI 30.00
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI N/A
		Actual TOC		Calc. TOC:	2.489
Average		Bump Plug PSI:		Final Circ.	PSI: 600
ISIP 5 Min.		10 Min.	15 Min.	Cement Slurry:	BBI 70.0
				Total Volume	BBI 294.00

CUSTOMER REPRESENTATIVE *Dwayne Burt* SIGNATURE