



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1194837
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
-----------------------------------	-----------------	---

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: _____

1194837

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
--	---

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
----------------	-------	---------	------------	---

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> _____
---	--

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: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Misak 3404 1-19H
Doc ID	1194837

All Electric Logs Run

Mud
Induction
Prizm
Boresight
Density

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Misak 3404 1-19H
Doc ID	1194837

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9399-9610	1500 gals 15% HCl, 7141 bbls of sw, TLTR 7501bbls	
5	9082-9339	1500 gals 15% HCl, 7134 bbls of sw, TLTR 14712 bbls	
5	8748-9023	1500 gals 15% HCl, 6976 bbls of sw, TLTR 21831 bbls	
5	8400-8670	1500 gals 15% HCl, 6875 bbls of sw, TLTR 28873 bbls	
5	8028-8306	1500 gals 15% HCl, 6949 bbls of sw, TLTR 35959 bbls	
5	7664-7964	1500 gals 15% HCl, 6886 bbls of sw, TLTR 42966 bbls	
5	7329-7584	1500 gals 15% HCl, 6742 bbls of sw, TLTR 49809 bbls	
5	6956-7245	1500 gals 15% HCl, 7069 bbls of sw, TLTR 56982 bbls	
5	6584-6848	1500 gals 15% HCl, 6717 bbls of sw, TLTR 63787 bbls	
5	6230-6520	1500 gals 15% HCl, 6591 bbls of sw, TLTR 70440 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Misak 3404 1-19H
Doc ID	1194837

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5860-6175	1500 gals 15% HCl, 6665 bbls of sw, TLTR 77178 bbls	
5	5519-5802	1500 gals 15% HCl, 6961 bbls of sw, TLTR 84167 bbls	
5	4694-5391	1500 gals 15% HCl, 4031 bbls of sw, TLTR 88277 bbls	



Sandridge Energy, INC.(mid-con.)

Sumner County (KS27S)

Sec 30-T34S-R04W

Misak 3404 1-19H/04567-431-22/ Horizon 15

Wellbore #1

Design: Wellbore #1

Standard Survey Report

07 January, 2014

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Misak 3404 1-19H/04567-431-22/ Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1232.0usft (Original Well Elev)
Site:	Sec 30-T34S-R04W	MD Reference:	WELL @ 1232.0usft (Original Well Elev)
Well:	Misak 3404 1-19H/04567-431-22/ Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Sumner County (KS27S)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Kansas South 1502		

Site	Sec 30-T34S-R04W				
Site Position:		Northing:	146,435.00 usft	Latitude:	37° 3' 59.941 N
From:	Map	Easting:	2,207,691.00 usft	Longitude:	97° 47' 17.626 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.44 °

Well	Misak 3404 1-19H/04567-431-22/ Horizon 15					
Well Position	+N/-S	0.0 usft	Northing:	146,435.00 usft	Latitude:	37° 3' 59.941 N
	+E/-W	0.0 usft	Easting:	2,207,691.00 usft	Longitude:	97° 47' 17.626 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	1,214.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/26/13	4.25	65.18	51,685

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	7.26	

Survey Program	Date	01/07/14			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	9,755.0	Archer MWD Surveys (Wellbore #1)	MWD	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.79	332.20	100.0	0.6	-0.3	0.6	0.79	0.79	0.00	
First GYRO Survey										
200.0	0.97	327.50	200.0	1.9	-1.1	1.8	0.19	0.18	-4.70	
300.0	1.20	339.34	300.0	3.6	-1.9	3.4	0.32	0.23	11.84	
400.0	1.65	348.15	399.9	6.0	-2.6	5.6	0.50	0.45	8.81	
500.0	2.04	353.86	499.9	9.2	-3.1	8.7	0.43	0.39	5.71	
600.0	2.38	357.88	599.8	13.0	-3.3	12.5	0.37	0.34	4.02	
700.0	2.25	0.02	699.7	17.1	-3.4	16.5	0.16	-0.13	2.14	
800.0	2.09	1.47	799.7	20.9	-3.4	20.3	0.17	-0.16	1.45	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Misak 3404 1-19H/04567-431-22/ Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1232.0usft (Original Well Elev)
Site:	Sec 30-T34S-R04W	MD Reference:	WELL @ 1232.0usft (Original Well Elev)
Well:	Misak 3404 1-19H/04567-431-22/ Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
900.0	1.87	1.89	899.6	24.3	-3.3	23.7	0.22	-0.22	0.42	
1,000.0	1.50	358.28	999.6	27.3	-3.3	26.6	0.38	-0.37	-3.61	
1,100.0	1.32	1.59	1,099.5	29.7	-3.3	29.1	0.20	-0.18	3.31	
1,200.0	0.99	4.58	1,199.5	31.7	-3.2	31.1	0.34	-0.33	2.99	
1,300.0	0.71	8.68	1,299.5	33.2	-3.0	32.6	0.29	-0.28	4.10	
1,400.0	0.61	9.55	1,399.5	34.3	-2.8	33.7	0.10	-0.10	0.87	
1,500.0	0.60	4.47	1,499.5	35.4	-2.7	34.8	0.05	-0.01	-5.08	
1,600.0	0.35	19.85	1,599.5	36.2	-2.5	35.6	0.28	-0.25	15.38	
1,700.0	0.28	23.65	1,699.5	36.7	-2.3	36.1	0.07	-0.07	3.80	
1,800.0	0.09	5.67	1,799.5	37.0	-2.2	36.4	0.20	-0.19	-17.98	
1,900.0	0.06	2.79	1,899.5	37.1	-2.2	36.6	0.03	-0.03	-2.88	
2,000.0	0.13	177.42	1,999.5	37.1	-2.2	36.5	0.19	0.07	174.63	
2,100.0	0.43	169.75	2,099.5	36.6	-2.1	36.0	0.30	0.30	-7.67	
2,200.0	0.42	164.22	2,199.5	35.9	-2.0	35.3	0.04	-0.01	-5.53	
2,300.0	0.44	166.46	2,299.5	35.1	-1.8	34.6	0.03	0.02	2.24	
2,400.0	0.50	159.96	2,399.5	34.4	-1.5	33.9	0.08	0.06	-6.50	
2,500.0	0.48	167.01	2,499.5	33.5	-1.3	33.1	0.06	-0.02	7.05	
2,600.0	0.73	179.86	2,599.5	32.5	-1.2	32.1	0.28	0.25	12.85	
2,700.0	0.93	190.73	2,699.4	31.1	-1.4	30.6	0.25	0.20	10.87	
2,800.0	1.01	198.85	2,799.4	29.4	-1.8	29.0	0.16	0.08	8.12	
2,900.0	1.12	195.74	2,899.4	27.7	-2.3	27.1	0.12	0.11	-3.11	
3,000.0	1.07	191.04	2,999.4	25.8	-2.8	25.2	0.10	-0.05	-4.70	
3,100.0	0.83	174.48	3,099.4	24.2	-2.9	23.6	0.36	-0.24	-16.56	
3,200.0	0.81	164.42	3,199.4	22.8	-2.6	22.2	0.15	-0.02	-10.06	
3,300.0	0.50	192.86	3,299.4	21.7	-2.5	21.2	0.44	-0.31	28.44	
3,400.0	0.77	185.80	3,399.4	20.6	-2.7	20.1	0.28	0.27	-7.06	
3,500.0	0.60	181.29	3,499.3	19.4	-2.8	18.9	0.18	-0.17	-4.51	
3,600.0	0.50	204.61	3,599.3	18.5	-3.0	17.9	0.24	-0.10	23.32	
3,700.0	0.50	176.99	3,699.3	17.6	-3.1	17.1	0.24	0.00	-27.62	
3,730.0	0.47	174.16	3,729.3	17.4	-3.1	16.8	0.13	-0.10	-9.43	
Last GYRO Survey										
3,756.0	0.60	181.30	3,755.3	17.1	-3.1	16.6	0.56	0.50	27.46	
First Archer MWD Survey										
3,787.0	0.60	171.10	3,786.3	16.8	-3.1	16.3	0.34	0.00	-32.90	
3,819.0	1.10	94.90	3,818.3	16.6	-2.8	16.1	3.50	1.56	-238.13	
3,850.0	3.20	79.40	3,849.3	16.7	-1.6	16.4	6.97	6.77	-50.00	
3,881.0	5.80	81.00	3,880.2	17.1	0.8	17.1	8.40	8.39	5.16	
3,912.0	7.90	77.80	3,911.0	17.8	4.4	18.3	6.88	6.77	-10.32	
3,944.0	10.00	76.50	3,942.6	19.0	9.3	20.0	6.59	6.56	-4.06	
3,976.0	12.40	75.90	3,974.0	20.4	15.3	22.2	7.51	7.50	-1.88	
4,007.0	15.10	74.60	4,004.1	22.3	22.4	25.0	8.77	8.71	-4.19	
4,039.0	17.40	71.60	4,034.8	24.9	31.0	28.7	7.65	7.19	-9.38	
4,070.0	19.50	67.80	4,064.2	28.4	40.2	33.2	7.80	6.77	-12.26	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Misak 3404 1-19H/04567-431-22/ Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1232.0usft (Original Well Elev)
Site:	Sec 30-T34S-R04W	MD Reference:	WELL @ 1232.0usft (Original Well Elev)
Well:	Misak 3404 1-19H/04567-431-22/ Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,102.0	21.50	63.30	4,094.2	33.0	50.4	39.1	7.95	6.25	-14.06
4,134.0	24.40	61.00	4,123.7	38.9	61.4	46.3	9.48	9.06	-7.19
4,165.0	27.10	60.00	4,151.6	45.5	73.1	54.4	8.82	8.71	-3.23
4,197.0	28.70	60.20	4,179.9	53.0	86.1	63.4	5.01	5.00	0.63
4,229.0	31.00	60.90	4,207.6	60.8	99.9	72.9	7.27	7.19	2.19
4,260.0	32.70	61.70	4,233.9	68.6	114.3	82.5	5.65	5.48	2.58
4,292.0	35.10	63.20	4,260.5	76.9	130.1	92.7	7.94	7.50	4.69
4,324.0	37.40	64.50	4,286.3	85.2	147.1	103.1	7.58	7.19	4.06
4,356.0	39.40	64.20	4,311.4	93.8	165.0	113.9	6.28	6.25	-0.94
4,387.0	41.80	64.60	4,334.9	102.5	183.2	124.9	7.79	7.74	1.29
4,419.0	45.10	63.60	4,358.1	112.2	203.0	136.9	10.53	10.31	-3.13
4,450.0	48.00	61.60	4,379.5	122.5	223.0	149.7	10.46	9.35	-6.45
4,482.0	51.60	59.60	4,400.1	134.5	244.3	164.3	12.22	11.25	-6.25
4,513.0	54.60	60.10	4,418.7	147.0	265.7	179.4	9.76	9.68	1.61
4,545.0	56.80	60.70	4,436.8	160.0	288.7	195.2	7.05	6.88	1.88
4,576.0	58.00	60.90	4,453.5	172.8	311.5	210.8	3.91	3.87	0.65
4,608.0	58.80	58.60	4,470.2	186.5	335.0	227.4	6.61	2.50	-7.19
4,639.0	60.70	56.00	4,485.9	201.0	357.5	244.6	9.49	6.13	-8.39
4,671.0	63.10	53.50	4,500.9	217.3	380.6	263.6	10.18	7.50	-7.81
4,702.0	65.10	50.70	4,514.5	234.4	402.6	283.4	10.37	6.45	-9.03
4,734.0	66.50	48.20	4,527.6	253.4	424.8	305.0	8.36	4.38	-7.81
4,765.0	67.90	46.20	4,539.6	272.8	445.7	326.9	7.47	4.52	-6.45
4,797.0	68.20	43.80	4,551.6	293.8	466.7	350.4	7.02	0.94	-7.50
4,828.0	68.30	41.80	4,563.1	314.9	486.3	373.8	6.00	0.32	-6.45
4,860.0	67.90	39.00	4,575.0	337.5	505.5	398.7	8.21	-1.25	-8.75
4,892.0	67.60	36.00	4,587.1	361.0	523.5	424.3	8.73	-0.94	-9.38
4,923.0	67.70	34.00	4,598.9	384.5	540.0	449.7	5.98	0.32	-6.45
4,955.0	68.00	31.10	4,611.0	409.5	555.9	476.5	8.45	0.94	-9.06
4,986.0	68.10	28.10	4,622.6	434.5	570.1	503.0	8.98	0.32	-9.68
5,018.0	68.00	25.30	4,634.5	461.0	583.5	531.0	8.12	-0.31	-8.75
5,050.0	69.10	23.40	4,646.2	488.1	595.7	559.5	6.51	3.44	-5.94
5,082.0	69.90	22.10	4,657.4	515.7	607.3	588.4	4.55	2.50	-4.06
5,114.0	70.90	20.20	4,668.2	543.9	618.2	617.6	6.41	3.13	-5.94
5,146.0	71.70	18.70	4,678.4	572.4	628.3	647.3	5.10	2.50	-4.69
5,177.0	73.20	15.90	4,687.8	600.7	637.1	676.4	9.88	4.84	-9.03
5,209.0	74.50	13.90	4,696.7	630.4	645.0	706.8	7.25	4.06	-6.25
5,240.0	74.60	13.50	4,704.9	659.4	652.1	736.5	1.28	0.32	-1.29
5,272.0	74.70	13.40	4,713.4	689.4	659.2	767.2	0.43	0.31	-0.31
5,303.0	74.50	13.50	4,721.6	718.5	666.2	796.9	0.72	-0.65	0.32
5,334.0	74.20	13.40	4,730.0	747.5	673.1	826.6	1.02	-0.97	-0.32
5,367.0	75.30	12.90	4,738.7	778.5	680.4	858.3	3.64	3.33	-1.52
5,398.0	77.50	12.30	4,746.0	807.9	686.9	888.3	7.34	7.10	-1.94

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Misak 3404 1-19H/04567-431-22/ Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1232.0usft (Original Well Elev)
Site:	Sec 30-T34S-R04W	MD Reference:	WELL @ 1232.0usft (Original Well Elev)
Well:	Misak 3404 1-19H/04567-431-22/ Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,430.0	79.70	11.50	4,752.3	838.6	693.4	919.5	7.30	6.88	-2.50
5,457.0	82.00	10.90	4,756.6	864.7	698.6	946.1	8.80	8.52	-2.22
5,522.0	87.20	7.80	4,762.7	928.6	709.1	1,010.8	9.30	8.00	-4.77
5,554.0	87.90	6.20	4,764.1	960.3	713.0	1,042.7	5.45	2.19	-5.00
5,585.0	89.20	4.70	4,764.9	991.1	715.9	1,073.7	6.40	4.19	-4.84
5,617.0	90.20	3.70	4,765.0	1,023.1	718.3	1,105.7	4.42	3.13	-3.13
5,648.0	90.70	2.60	4,764.8	1,054.0	720.0	1,136.6	3.90	1.61	-3.55
5,680.0	89.60	0.50	4,764.7	1,086.0	720.8	1,168.4	7.41	-3.44	-6.56
5,711.0	89.20	359.20	4,765.0	1,117.0	720.8	1,199.1	4.39	-1.29	-4.19
5,743.0	89.60	358.10	4,765.4	1,149.0	720.0	1,230.8	3.66	1.25	-3.44
5,774.0	90.50	357.20	4,765.3	1,180.0	718.7	1,261.3	4.11	2.90	-2.90
5,869.0	91.30	356.30	4,763.8	1,274.8	713.4	1,354.7	1.27	0.84	-0.95
5,932.0	92.10	355.90	4,762.0	1,337.6	709.1	1,416.5	1.42	1.27	-0.63
5,964.0	93.80	355.50	4,760.3	1,369.5	706.7	1,447.8	5.46	5.31	-1.25
6,059.0	96.20	355.40	4,752.0	1,463.8	699.2	1,540.5	2.53	2.53	-0.11
6,152.0	94.20	355.40	4,743.6	1,556.1	691.7	1,631.1	2.15	-2.15	0.00
6,246.0	94.80	355.60	4,736.2	1,649.5	684.4	1,722.8	0.67	0.64	0.21
6,341.0	94.70	355.80	4,728.4	1,744.0	677.3	1,815.6	0.23	-0.11	0.21
6,436.0	95.30	356.60	4,720.1	1,838.4	671.0	1,908.5	1.05	0.63	0.84
6,530.0	90.40	356.10	4,715.4	1,932.0	665.0	2,000.6	5.24	-5.21	-0.53
6,625.0	92.80	357.20	4,712.8	2,026.8	659.5	2,094.0	2.78	2.53	1.16
6,720.0	93.20	356.80	4,707.8	2,121.6	654.5	2,187.3	0.60	0.42	-0.42
6,815.0	91.50	358.20	4,703.9	2,216.4	650.4	2,280.8	2.32	-1.79	1.47
6,909.0	91.80	358.40	4,701.2	2,310.3	647.6	2,373.7	0.38	0.32	0.21
7,004.0	93.80	358.10	4,696.5	2,405.2	644.7	2,467.4	2.13	2.11	-0.32
7,098.0	93.50	359.60	4,690.6	2,498.9	642.8	2,560.2	1.62	-0.32	1.60
7,193.0	92.40	359.90	4,685.7	2,593.8	642.4	2,654.2	1.20	-1.16	0.32
7,287.0	95.50	0.10	4,679.2	2,687.6	642.4	2,747.2	3.30	3.30	0.21
7,382.0	93.40	0.90	4,671.8	2,782.3	643.2	2,841.3	2.36	-2.21	0.84
7,476.0	93.80	1.00	4,665.9	2,876.1	644.8	2,934.5	0.44	0.43	0.11
7,570.0	93.50	1.60	4,659.9	2,969.9	646.9	3,027.8	0.71	-0.32	0.64
7,664.0	90.80	2.10	4,656.4	3,063.7	649.9	3,121.3	2.92	-2.87	0.53
7,758.0	92.00	2.60	4,654.1	3,157.6	653.8	3,215.0	1.38	1.28	0.53
7,853.0	91.50	1.80	4,651.2	3,252.5	657.4	3,309.5	0.99	-0.53	-0.84
7,948.0	91.80	1.90	4,648.5	3,347.4	660.5	3,404.1	0.33	0.32	0.11
8,042.0	92.00	1.90	4,645.4	3,441.3	663.6	3,497.6	0.21	0.21	0.00
8,136.0	92.30	2.10	4,641.8	3,535.2	666.9	3,591.2	0.38	0.32	0.21
8,230.0	93.00	2.20	4,637.5	3,629.0	670.4	3,684.7	0.75	0.74	0.11
8,326.0	93.20	1.30	4,632.3	3,724.9	673.4	3,780.1	0.96	0.21	-0.94
8,420.0	94.00	0.00	4,626.4	3,818.7	674.4	3,873.3	1.62	0.85	-1.38
8,515.0	93.30	359.20	4,620.4	3,913.5	673.8	3,967.2	1.12	-0.74	-0.84
8,635.0	92.70	0.50	4,614.1	4,033.3	673.4	4,086.1	1.19	-0.50	1.08
8,730.0	91.10	0.40	4,610.9	4,128.2	674.2	4,180.3	1.69	-1.68	-0.11

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Misak 3404 1-19H/04567-431-22/ Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1232.0usft (Original Well Elev)
Site:	Sec 30-T34S-R04W	MD Reference:	WELL @ 1232.0usft (Original Well Elev)
Well:	Misak 3404 1-19H/04567-431-22/ Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,824.0	90.90	1.80	4,609.3	4,222.2	676.0	4,273.8	1.50	-0.21	1.49	
8,920.0	90.00	0.60	4,608.5	4,318.2	678.0	4,369.2	1.56	-0.94	-1.25	
9,015.0	89.10	359.50	4,609.3	4,413.2	678.1	4,463.5	1.50	-0.95	-1.16	
9,110.0	90.60	0.10	4,609.5	4,508.2	677.8	4,557.7	1.70	1.58	0.63	
9,204.0	89.40	0.50	4,609.5	4,602.2	678.2	4,651.0	1.35	-1.28	0.43	
9,300.0	89.70	1.30	4,610.3	4,698.1	679.8	4,746.4	0.89	0.31	0.83	
9,394.0	88.00	1.20	4,612.2	4,792.1	681.8	4,839.9	1.81	-1.81	-0.11	
9,488.0	87.00	1.50	4,616.3	4,886.0	684.0	4,933.3	1.11	-1.06	0.32	
9,584.0	88.90	0.90	4,619.7	4,981.9	686.0	5,028.7	2.08	1.98	-0.63	
9,679.0	90.10	359.40	4,620.5	5,076.9	686.3	5,122.9	2.02	1.26	-1.58	
9,704.0	90.40	359.90	4,620.4	5,101.9	686.1	5,147.7	2.33	1.20	2.00	
Last Archer MWD Survey										
9,755.0	90.40	359.90	4,620.1	5,152.9	686.0	5,198.3	0.00	0.00	0.00	
Projection to TD - Misak 3404 1-19H BHL										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
100.0	100.0	0.6	-0.3	First GYRO Survey	
3,730.0	3,729.3	17.4	-3.1	Last GYRO Survey	
3,756.0	3,755.3	17.1	-3.1	First Archer MWD Survey	
9,704.0	4,620.4	5,101.9	686.1	Last Archer MWD Survey	
9,755.0	4,620.1	5,152.9	686.0	Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
--------------------------	---------------------------	--------------------

Section 18
34S 4W

Section 17
34S 4W

347' FNL

729' FEL

BHL: 9755'
-97.786522 37.080721

Bottom Perf: 9399'
-97.786513 37.07974

Section 19
34S 4W

Section 20
34S 4W

Sumner County

JOHN 3404 1-20H

Top Perf: 4694'
-97.786663 37.067814

Miss Entry: 4566'
-97.787488 37.067188

MISAK 3404 1-19H

BLITZBERG SWD 3404 1-30

MISAK 3404 1-30H

Section 30
34S 4W

Section 29
34S 4W



Actual Bottom-Hole Location of Misak 3404 1-19H
Sumner County, Kansas
T&R: 34S 4W
Section: 19, 729' FEL & 347' FNL
-97.786522 37.080721

1 in = 667 ft

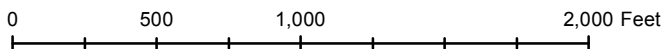


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 3/20/2014

Drawing Name/Number:

Addendum_Misak 3404 1-19H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502



SERVICES, LLC
 P O BOX 4268
 ABILENE, TX 79608-4268
 Phone # (325)690-0053
 Fax # (325)698-0055

TICKET

TICKET NUMBER: WY-170-1
 TICKET DATE: 11/23/2013

ELECTRONIC

SANDRIDGE ENERGY
 ***** BILL IN ADP!! *****
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: Misak 3404
 WELL#: 1-19H
 RIG #: Horizon 15
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
11/23/2013 DRILLED 30" CONDUCTOR HOLE			
11/23/2013 20" CONDUCTOR PIPE (.250 WALL)			
11/23/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
11/23/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
11/23/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
11/23/2013 16" CONDUCTOR PIPE (.250 WALL)			
11/23/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
11/23/2013 WELDING SERVICES FOR PIPE & LIDS			
11/23/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
11/23/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
11/23/2013 20 YDS OF 10 SACK GROUT			
11/23/2013 TAXABLE ITEMS			6,000.00
11/23/2013 BID - TAXABLE ITEMS			11,250.00
		Sub Total:	17,250.00
		Tax HARPER COUNTY (6.15 %):	369.00
		TICKET TOTAL:	\$ 17,619.00

I, the undersigned, acknowledge the acceptance of the above listed goods and/or services.

Approved Signature _____

AFE Number: DC13323
 Well Name: Misak 3404 1-19H
 Code: 850-010
 Amount: \$17,619.00
 Co. Man: Jim Mills
 Co. Man Sig.: Jim Mills
 Notes: _____



Cementing Service Report

Customer Sandridge				Job Number CNTV-00087			
Well Misak 0631508369		Location (legal) Anthony		Schlumberger Location EL RENO		Job Start Dec/05/2013	
Field Sumner		Formation Name/Type		Deviation deg	Bit Size 12.3 in	Well MD 600.0 ft	Well TVD 600.0 ft
County Sumner		State/Province Kansas		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master SEC 30-34S-4W		API/UWI 15191227110100		Casing/Liner			
Rig Name HSE 15	Drilled For Oil & Gas	Service Via Land		Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone	Well Class New	Well Type Development		600.0	9.6	36.0	J55
				0.0	0.0	0.0	
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing	Job Type Cem Surface Casing		Perforations/Open Hole				
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection Single Cement head		Top, ft	Bottom, ft	shot/ft	No. of Shots
				ft	ft		Total Interval ft
				ft	ft		Diameter in
				ft	ft		
Service Instructions Provide services, equipment, materials and personnel to safely cement 9 5/8" surface casing per customer request.		Treat Down Casing	Displacement 42.1 bbl	Packer Type		Packer Depth ft	
		Tubing Vol. bbl	Casing Vol. 45.6 bbl	Annular Vol. bbl		Openhole Vol. bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools			
Lift Pressure 482 psi		Pipe Rotated <input type="checkbox"/>		Shoe Type Guide		Squeeze Job	
Pipe Reciprocated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 590.4 ft		Squeeze Type	
No. Centralizers 4	Top Plugs 1	Bottom Plugs 0		Stage Tool Type		Tool Type	
				Stage Tool Depth ft		Tool Depth ft	
Cement Head Type Single		Leave Location Dec/05/2013		Collar Type Float		Tail Pipe Size in	
Job Scheduled For Dec/05/2013	Arrived on Location Dec/05/2013			Collar Depth 544.5 ft		Tail Pipe Depth ft	
				Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
12/05/2013	18:57:48	229	0.0	0.07	0.0	Started Acquisition	
12/05/2013	18:57:56	228	0.0	0.07	0.0	Start Job	
12/05/2013	19:12:54	1564	0.0	8.50	0.4	Flush lines	
12/05/2013	19:15:06	3775	0.0	8.50	0.4	Pressure Test Lines	
12/05/2013	19:20:00	329	2.1	8.50	5.9	Fixing compressor problem	
12/05/2013	20:07:31	307	2.0	8.48	100.1	Start Cement Slurry	
12/05/2013	20:07:34	306	2.0	8.48	100.2	Start Mixing Lead Slurry, 79 bbl @ 12.4 ppg	
12/05/2013	20:24:15	382	4.5	12.42	175.2	End Lead Slurry	
12/05/2013	20:24:23	384	4.3	12.32	175.8	Start Mixing Tail Slurry, 31 bbl @ 14.80 ppg	
12/05/2013	20:32:01	293	0.0	14.68	209.7	End Tail Slurry	
12/05/2013	20:32:03	292	0.0	14.68	209.7	Drop Top Plug	
12/05/2013	20:32:05	291	0.0	14.67	209.7	Start Displacement	
12/05/2013	20:54:21	236	0.0	7.52	263.1	Bump plug to 1173 psi, lift 482 psi	

Well Misak 0631508369	Field Sumner	Job Start Dec/05/2013	Customer Sandridge	Job Number CNTV-00087
---------------------------------	------------------------	---------------------------------	------------------------------	---------------------------------

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 2.9	N2	Mud	Maximum Rate 6.6	Total Slurry 109.5	Mud 0.0	Spacer 10.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 4013	Final 1173	Average 428	Bump Plug to 1173	Breakdown	Type	Volume bbl	Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 42.0 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>	To ft		
Customer or Authorized Representative Tim Mills		Schlumberger Supervisor Kenny Statton		Circulation Lost -	<input type="checkbox"/>	Job Completed -	<input checked="" type="checkbox"/>



Cementing Service Report

Well Misak 2404-1-19H				Location (legal)		Customer Sandridge		Job Number CDL7-00441	
Field Sumner		Formation Name/Type		Deviation		Schlumberger Location Elreno		Job Start Dec/15/2013	
County Sumner		State/Province KS		BHP		Bit Size		Well MD	
Well Master 0631508369		API/UWI 15191227110100		BHST		BHCT		Pore Press. Gradient	
Rig Name Horizon 15		Drilled For Oil & Gas		Service Via Land		Casing/Liner		Thread	
Offshore Zone		Well Class New		Well Type Development		Depth,		Size,	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Weight,		Grade	
Service Line Cementing		Job Type Cem Interm Casing		WH Connection		Tubing/Drill Pipe		Thread	
Max. Allowed Tub. Press		Max. Allowed Ann. Press		Perforations/Open Hole		Depth,		Size,	
Service Instructions		Casing Tools		Squeeze Job		Top,		Bottom,	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Shoe Type Guide		No. of Shots		Total Interval	
Lift Pressure 760 psi		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 5503.0 ft		Diameter		Treat Down	
Pipe Rotated <input type="checkbox"/>		No. Centralizers 4		Top Plugs 1		Bottom Plugs 0		Displacement	
Cement Head Type Single		Job Scheduled For Dec/15/2013		Arrived on Location Dec/15/2013		Leave Location Dec/15/2013		Packer Type	
Collar Type Float		Collar Depth 5457.0 ft		Sqz. Total Vol.		Tubing Vol.		Casing Vol.	
Date		Time 24-hr clock		Treating Pressure PSI		Flow Rate B/M		Density LB/G	
Volume BBL		Message		12/15/2013		04:07:47		-23	
12/15/2013		04:07:49		0.0		8.49		0.0	
12/15/2013		04:07:49		0.0		8.49		0.0	
12/15/2013		04:07:51		0.0		8.49		0.0	
12/15/2013		04:07:51		0.0		8.49		2.0	
12/15/2013		04:09:57		4		0.0		8.49	
12/15/2013		04:09:58		4		0.0		8.49	
12/15/2013		04:09:58		4		0.0		8.49	
12/15/2013		04:12:07		5171		0.0		8.49	
12/15/2013		04:14:17		4244		0.0		8.49	
12/15/2013		04:16:27		-23		0.0		8.49	
12/15/2013		04:18:37		-2		2.9		8.49	
12/15/2013		04:20:47		144		2.8		8.47	
12/15/2013		04:22:57		295		5.6		8.47	
12/15/2013		04:23:56							
12/15/2013		04:23:56		312		5.6		8.47	
12/15/2013		04:25:07		231		4.8		8.76	
12/15/2013		04:25:08							
12/15/2013		04:25:08		231		4.8		8.89	
12/15/2013		04:27:17		551		6.1		13.53	
12/15/2013		04:29:27		585		6.1		13.55	

Well		Field		Job Start		Customer		Job Number	
Misak 2404-1-19H		Sumner		Dec/15/2013		Sandridge		CDL7-00441	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
12/15/2013	04:33:47	476	6.1	13.59	86.1				
12/15/2013	04:34:29					End Lead Slurry			
12/15/2013	04:34:29	496	6.2	13.70	90.4				
12/15/2013	04:35:26					Start Mixing Tail Slurry			
12/15/2013	04:35:26	314	5.2	13.51	96.0				
12/15/2013	04:35:57	315	5.1	14.88	98.7				
12/15/2013	04:38:07	304	5.3	15.72	110.5				
12/15/2013	04:39:53					End Tail Slurry			
12/15/2013	04:39:53	180	4.0	15.78	119.0				
12/15/2013	04:39:57					Shutdown			
12/15/2013	04:39:57	16	1.4	15.80	119.2				
12/15/2013	04:40:01					Drop Top Plug			
12/15/2013	04:40:01	-0	0.1	15.91	119.2				
12/15/2013	04:40:03					Start Displacement			
12/15/2013	04:40:03	10	0.0	15.93	119.2				
12/15/2013	04:40:17	7	0.0	15.90	119.2				
12/15/2013	04:42:27	3	0.0	15.86	119.2				
12/15/2013	04:44:37	104	3.5	9.53	122.2				
12/15/2013	04:46:47	217	7.5	8.54	134.6				
12/15/2013	04:48:57	228	7.4	8.49	150.7				
12/15/2013	04:51:07	197	7.4	8.49	166.9				
12/15/2013	04:53:17	209	7.5	8.49	183.1				
12/15/2013	04:55:27	139	7.6	8.49	199.2				
12/15/2013	04:57:37	257	7.5	8.49	215.3				
12/15/2013	04:59:47	177	7.5	8.49	231.5				
12/15/2013	05:01:57	227	7.4	8.49	247.6				
12/15/2013	05:04:07	282	6.1	8.49	262.2				
12/15/2013	05:06:17	535	6.9	8.49	276.9				
12/15/2013	05:08:27	686	6.9	8.49	291.9				
12/15/2013	05:10:37	851	6.9	8.49	306.9				
12/15/2013	05:12:47	697	2.2	8.49	319.6				
12/15/2013	05:14:57	723	2.2	8.49	324.3				
12/15/2013	05:17:07	673	2.2	8.49	328.9				
12/15/2013	05:19:17	1316	0.0	8.50	331.8				
12/15/2013	05:20:28					Bump Top Plug			
12/15/2013	05:20:28	1319	0.0	8.49	331.8				
12/15/2013	05:20:30					End Displacement			
12/15/2013	05:20:30	1319	0.0	8.49	331.8				
12/15/2013	05:21:05					Floats Held			
12/15/2013	05:21:05	5	0.0	8.50	331.8				
12/15/2013	05:21:07					End Job			

Well Misak 2404-1-19H	Field Sumner	Job Start Dec/15/2013	Customer Sandridge	Job Number CDL7-00441
---------------------------------	------------------------	---------------------------------	------------------------------	---------------------------------

Post Job Summary

Average Pump Rates, bbl/ min				Volume of Fluid Injected, bbl			
Slurry 5.0	N2	Mud	Maximum Rate 6.0	Total Slurry 78.0	Mud 0.0	Spacer 30.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 1500	Final 0	Average	Bump Plug to 1320	Breakdown	Type	Volume	Density
Avg. N2 Percent	Designed Slurry Volume	Displacement 208.8 bbl	Mix Water Temp	Cement Circulated to Surface? <input type="checkbox"/>	Volume		
				Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Tim Mills			Schlumberger Supervisor Charles Jacobs		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
					-	-	

ALLIED OIL & GAS SERVICES, LLC 062308

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge KS

DATE <u>1-22-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Miasak</u>	WELL # <u>1-19H</u>	LOCATION <u>Anthony KS 19E 5S 16W</u>			COUNTY <u>Harpert</u>	STATE <u>KS</u>	
<u>OLD</u> OR <u>NEW</u> (Circle one)							

CONTRACTOR _____
TYPE OF JOB Squeeze
HOLE SIZE _____ T.D. _____
CASING SIZE 7" DEPTH _____
TUBING SIZE 2 7/8 DEPTH 4655
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____
PERFS. 4694 4696
DISPLACEMENT 22 1/2

EQUIPMENT

PUMP TRUCK CEMENTER Jake Heard
548/545 HELPER Jason Thimesh
BULK TRUCK
364 DRIVER James Bowen
BULK TRUCK
_____ DRIVER _____

REMARKS:

OWNER Sandridge
CEMENT
AMOUNT ORDERED 600sx Class A + 20%acc
COMMON 600sx @ 17.90 1074.00
POZMIX _____ @ _____
GEL _____ @ _____
CHLORIDE 2.25 SK @ 64 144.00
ASC _____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
HANDLING 6200ft @ 248 157.76
MILEAGE 287 Ton/mik @ 7.60 493.59
TOTAL 1869.35

SERVICE

DEPTH OF JOB 4696
PUMP TRUCK CHARGE 2810.84
EXTRA FOOTAGE _____ @ _____
MILEAGE 66 @ 7.70 509.20
MANIFOLD _____ @ _____
L.V. M. Keage 66 @ 4.40 290.40
TOTAL 3609.44

CHARGE TO: Sandridge
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
TOTAL _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
TOTAL CHARGES 5478.79
DISCOUNT (3835.15) IF PAID IN 30 DAYS

PRINTED NAME X Curtis Bussard
SIGNATURE X [Signature]