CORRECTION #1

Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1184010

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 # 34654
Name: Nemaha Oil and Gas LLC
Address 1: 110 W. 7TH ST., STE 1800
Address 2:
City: TULSA State: OK Zip: 74119 + __ __ __ __
Contact Person: Stephen Bennitt
Phone: (918) 236-2600
CONTRACTOR: License # 34740
Name: Horizontal Well Drillers, LLC
Wellsite Geologist: Mack Blackford
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 #:

08/03/2013	08/18/2013	09/03/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-019-27324-01-00
Spot Description:
NW NE NE NE Sec. 23 Twp. 32 S. R. 9 ☑ East ☐ West
160 Feet from ☑ North / ☐ South Line of Section
595 Feet from ☑ East / ☐ West Line of Section

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

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Chautauqua
Lease Name: Lampson Well #: 3B-23-32-9H
Field Name: Unnamed
Producing Formation: Higginsville Limestone
Elevation: Ground: 1061 Kelly Bushing: 1074
Total Vertical Depth: 6206 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 2502 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: 3000 ppm Fluid volume: 1500 bbls
Dewatering method used: Evaporated

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: 08/27/2013
☑ **Confidential Release Date:** 08/27/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/31/2014

CORRECTION #1
Page Two

1184010

Operator Name: Nemaha Oil and Gas LLC Lease Name: Lampson Well #: 3B-23-32-9H

Sec. 23 Twp. 32 S. R. 9 ☑ East ☐ West County: Chautauqua

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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
Surface	12.250	9.625	36.000	2500	Class A	850	60:40 poz, 2% gel, 6% salt,8% fl-110, .25
Production	8.750	5.500	17.000	6168	N/A	0	N/A

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: 2.875 Set At: 1837' 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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Nemaha Oil and Gas LLC
Well Name	Lampson 3B-23-32-9H
Doc ID	1184010

Tops

Name	Top	Datum
Penn	512	562
Douglas	611	463
Lansing	1147	-73
PennC	1362	-288
Penn D	1433	-359
Kansas City Group	1523	-449
Lenepah	1650	-576
Altamont	1711	-637
Pawnee	1814	-740
Lebette	1842	-768
Ft Scott	1853	-779
Cherokee	1899	-825

Form	ACO1 - Well Completion
Operator	Nemaha Oil and Gas LLC
Well Name	Lampson 3B-23-32-9H
Doc ID	1184010

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	2615'	1680 GA, 19,866 Gxlink, 517,000 scf N2, 74,961# 20/40 White	1870' TVD
6	2811'	840 GA, 20,286 Gxlink, 520,000 scf N2, 75,170# 20/40 White	1870' TVD
6	3049'	840 GA, 23,814 Gxlink, 595,000 scf N2, 74,8260# 20/40 White	1869' TVD
6	3287'	840 GA, 20,454 Gxlink, 516,000 scf N2, 75,176# 20/40 White	1868' TVD
6	3524'	840 GA, 21,000 Gxlink, 527,000 scf N2, 74,794# 20/40 White	1866' TVD
6	3762'	840 GA, 23,226 Gxlink, 476,000 scf N2, 75,304# 20/40 White	1863' TVD
6	3999'	20,958 Gxlink, 518,000 scf N2, 82,105# 20/40 White	1867' TVD
6	4237'	20,160 Gxlink, 526,000 scf N2, 80,112# 20/40 White	1869' TVD

Form	ACO1 - Well Completion
Operator	Nemaha Oil and Gas LLC
Well Name	Lampson 3B-23-32-9H
Doc ID	1184010

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	4475'	18,228 Gxlink, 494,000 scf N2, 79,155# 20/40 White	1870' TVD
6	4712'	19,026 Gxlink, 494,000 scf N2, 79,088# 20/40 White	1872' TVD
6	4950'	20,832 Gxlink, 483,000 scf N2, 75,032# 20/40 White	1872' TVD
6	5188'	2100 GA, 43,722 GXlink, 60,606# 30/50 Brady	1871' TVD
6	5426'	1765 GA, 41,538 GXlink, 56,490# 30/50 Brady	1872' TVD
6	5664'	1600 GA, 36,414 GXlink, 44,772# 30/50 Brady	1874' TVD
6	5901'	1500 GA, 37,590 GXlink, 55,314# 30/50 Brady	1873' TVD
6	6109'	1500 GA, 44,856 GXlink, 57,246# 30/50 Brady	1875' TVD

HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE

Last Fracture Date:	11/18/2013
County:	Chautauqua
API Number (14 Digits):	15-019-27324-0100
Operator Name:	Nemaha Oil & Gas, LLC
Well Name and Number:	Lampson 3B 23-32-9H
Latitude:	37.25794821
Longitude:	-96.3828745
Datum:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	1875'
Total Base Fluid Volume (gal)*:	186,816

Kansas Corporation Commission

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Authorized Representative's Name, Address and Phone Number
Water	Questa Energy	Carrier/Base Fluid	Water	7732-18-5	100.00%	99.66768%	
Plexsurf 210 E	Chemplex	Flowback Acid	Methyl Alcohol	67-56-1	30.00%	0.02718%	
			Alcohol Alkoxylate	NA	20.00%	0.01812%	
			Ethylene Glycol Monobutyl Ether	11-76-2	5.00%	0.00453%	
Plexbreak 134	Chemplex	Nonemulsifier for acid	Isopropyl Alcohol	67-63-0	20.00%	0.00874%	
Plexcide P5	Chemplex	Industrial water treatmen	Tributyl tetradecyl phosphonium	81741-28-8	5.00%	0.00068%	
			Methanol	67-56-1	20.00%	0.00272%	
Ammonium Persulfate	Chemplex	Breaker	Ammonium Persulfate	7727-54-0	98.00%	0.15267%	
DF 100	Drilling Fluid Techno	Foamer	Methanol	67-56-1	10.00%	0.00287%	
			Isopropyl Alcohol	67-63-0	15.00%	0.00430%	
			Ethylene Glycol Buty Ether	111-76-2	25.00%	0.00717%	
Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							

*Total Water Volume sources may include fresh water, produced water, and/or recycled water. **Information is based on the maximum potential for concentration and thus the total may be over 100%.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers' Material Safety Data Sheets (MSDS).

HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE

Last Fracture Date:	1/17/2014
County:	Chautauqua
API Number (14 Digits):	15-019-27324-0100
Operator Name:	Nemaha Oil & Gas, LLC
Well Name and Number:	Lampson 3B 23-32-9H
Latitude:	37.25794821
Longitude:	-96.3828745
Datum:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	1875'
Total Base Fluid Volume (gal)*:	186,816

Kansas Corporation Commission

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Authorized Representative's Name, Address and Phone Number
Water	Questa Energy	Carrier/Base Fluid	Water	7732-18-5	100.00%	99.50292%	
Plexsurf 210 E	Chemplex	Flowback Acid	Methyl Alcohol	67-56-1	30.00%	0.02842%	
			Alcohol Alkoxylate	NA	20.00%	0.01895%	
			Ethylene Glycol Monobutyl Ether	11-76-2	5.00%	0.00474%	
Plexbreak 134	Chemplex	Nonemulsifier for acid	Isopropyl Alcohol	67-63-0	20.00%	0.00933%	
Plexcide P5	Chemplex	Industrial water treatmen	Tributyl tetradecyl phosphonium	81741-28-8	5.00%	0.00072%	
			Methanol	67-56-1	20.00%	0.00290%	
Plexbore 101	Chemplex	Crosslinker	Potassium Metaborate	13709-94-9	30.00%	0.02891%	
			Potassium Hydroxide	1310-58-3	5.00%	0.00482%	
			Ethylene Glycol	107-21-1	10.00%	0.00964%	
Ammonium Persulfate	Chemplex	Breaker	Ammonium Persulfate	7727-54-0	98.00%	0.01032%	
DF 100	Drilling Fluid Techno	Foamer	Methanol	67-56-1	10.00%	0.02274%	
			Isopropyl Alcohol	67-63-0	15.00%	0.03412%	
			Ethylene Glycol Buty Ether	111-76-2	25.00%	0.05686%	
AI 260	Chemplex	Acid Corrosion Inhibitor	Ethylene Glycol	107-21-1	20.00%	0.00138%	
			N,N-Dimethyl Formamide	68-12-2	20.00%	0.00138%	
			2-Butoxyethanol	111-76-2	5.00%	0.00035%	
			Isopropanol	67-63-0	5.00%	0.00035%	
Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							

*Total Water Volume sources may include fresh water, produced water, and/or recycled water. **Information is based on the maximum potential for concentration and thus the total may be over 100%.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers' Material Safety Data Sheets (MSDS).

Summary of Changes

Lease Name and Number: Lampson 3B-23-32-9H

API/Permit #: 15-019-27324-01-00

Doc ID: 1184010

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	08/28/2013	01/31/2014
Fracturing Question 1		Yes
Fracturing Question 2		Yes
Fracturing Question 3		No
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1156334	../../kcc/detail/operatorEditDetail.cfm?docID=1184010

Summary of Attachments

Lease Name and Number: Lampson 3B-23-32-9H

API: 15-019-27324-01-00

Doc ID: 1184010

Correction Number: 1

Attachment Name

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1156334

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

OPERATOR: License # 34654
Name: Nemaha Oil and Gas LLC
Address 1: 110 W. 7TH ST., STE 1800
Address 2:
City: TULSA State: OK Zip: 74119 + __ __ __ __
Contact Person: Stephen Bennitt
Phone: (918) 236-2600
CONTRACTOR: License # 34740
Name: Horizontal Well Drillers, LLC
Wellsite Geologist: Mack Blackford
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

08/03/2013	08/18/2013	09/03/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-019-27324-01-00
Spot Description:
NW - NE - NE - NE Sec. 23 Twp. 32 S. R. 9 [x] East [ ] West
160 Feet from [x] North / [ ] South Line of Section
595 Feet from [x] East / [ ] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [x] NE
- [ ] NW
- [ ] SE
- [ ] SW

County: Chautauqua
Lease Name: Lampson Well #: 3B-23-32-9H
Field Name: Unnamed
Producing Formation: Higginsville Limestone
Elevation: Ground: 1061 Kelly Bushing: 1074
Total Depth: 6206 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 2502 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 3000 ppm Fluid volume: 1500 bbls
Dewatering method used: Evaporated

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

- [x] **Letter of Confidentiality Received**
  Date: 08/27/2013
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 08/28/2013

Operator Name: Nemaha Oil and Gas LLC Lease Name: Lampson Well #: 3B-23-32-9H

Sec. 23 Twp. 32 S. R. 9 ☑ East ☐ West County: Chautauqua

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 *(Attach Additional Sheets)*	☐ Yes	☑ No	☐ Log	Formation (Top), Depth and Datum ☑ Sample
Samples Sent to Geological Survey	☑ Yes	☐ No	Name: Attached	Top: Attached Datum: Attached
Cores Taken	☐ Yes	☑ No		
Electric Log Run	☐ Yes	☑ No		
Geologist Report / Mud Logs	☐ Yes	☐ No		
List All E. Logs Run:				

CASING RECORD ☑ New ☐ 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
Surface	12.250	9.625	36.000	2500	Class A	850	60:40 poz, 2% gel, 6% salt,8% fl-110, .25
Production	8.750	5.500	17.000	6168	N/A	0	N/A

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☑ Yes ☐ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection:	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:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
Attached					Attached

TUBING RECORD: Size: 2.875 Set At: 1837' Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Nemaha Oil and Gas LLC
Well Name	Lampson 3B-23-32-9H
Doc ID	1156334

Tops

Name	Top	Datum
Penn	512	562
Douglas	611	463
Lansing	1147	-73
PennC	1362	-288
Penn D	1433	-359
Kansas City Group	1523	-449
Lenepah	1650	-576
Altamont	1711	-637
Pawnee	1814	-740
Lebette	1842	-768
Ft Scott	1853	-779
Cherokee	1899	-825

Form	ACO1 - Well Completion
Operator	Nemaha Oil and Gas LLC
Well Name	Lampson 3B-23-32-9H
Doc ID	1156334

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	2615'		1870' TVD
6	2811'		1870' TVD
6	3049'		1869' TVD
6	3287'		1868' TVD
6	3524'		1866' TVD
6	3762'		1863' TVD
6	3999'		1867' TVD
6	4237'		1869' TVD
6	4475'		1870' TVD
6	4712'		1872' TVD
6	4950'		1872' TVD
6	5188'		1871' TVD
6	5426'		1872' TVD
6	5664'		1874' TVD
6	5901'		1873' TVD
6	6109'		1875' TVD

Form	ACO1 - Well Completion
Operator	Nemaha Oil and Gas LLC
Well Name	Lampson 3B-23-32-9H
Doc ID	1156334

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.250	9.625	36.000	2500	Class A	850	60:40 poz, 2% gel, 6% salt,8% fl-110, .25% pheno seal
Production	8.750	5.500	17.000	6168	N/A	0	N/A

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

August 26, 2013

Stephen Bennitt
Nemaha Oil and Gas LLC
110 W. 7TH ST., STE 1800
TULSA, OK 74119

Re: ACO1
API 15-019-27324-01-00
Lampson 3B-23-32-9H
NE/4 Sec.23-32S-09E
Chautauqua 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.

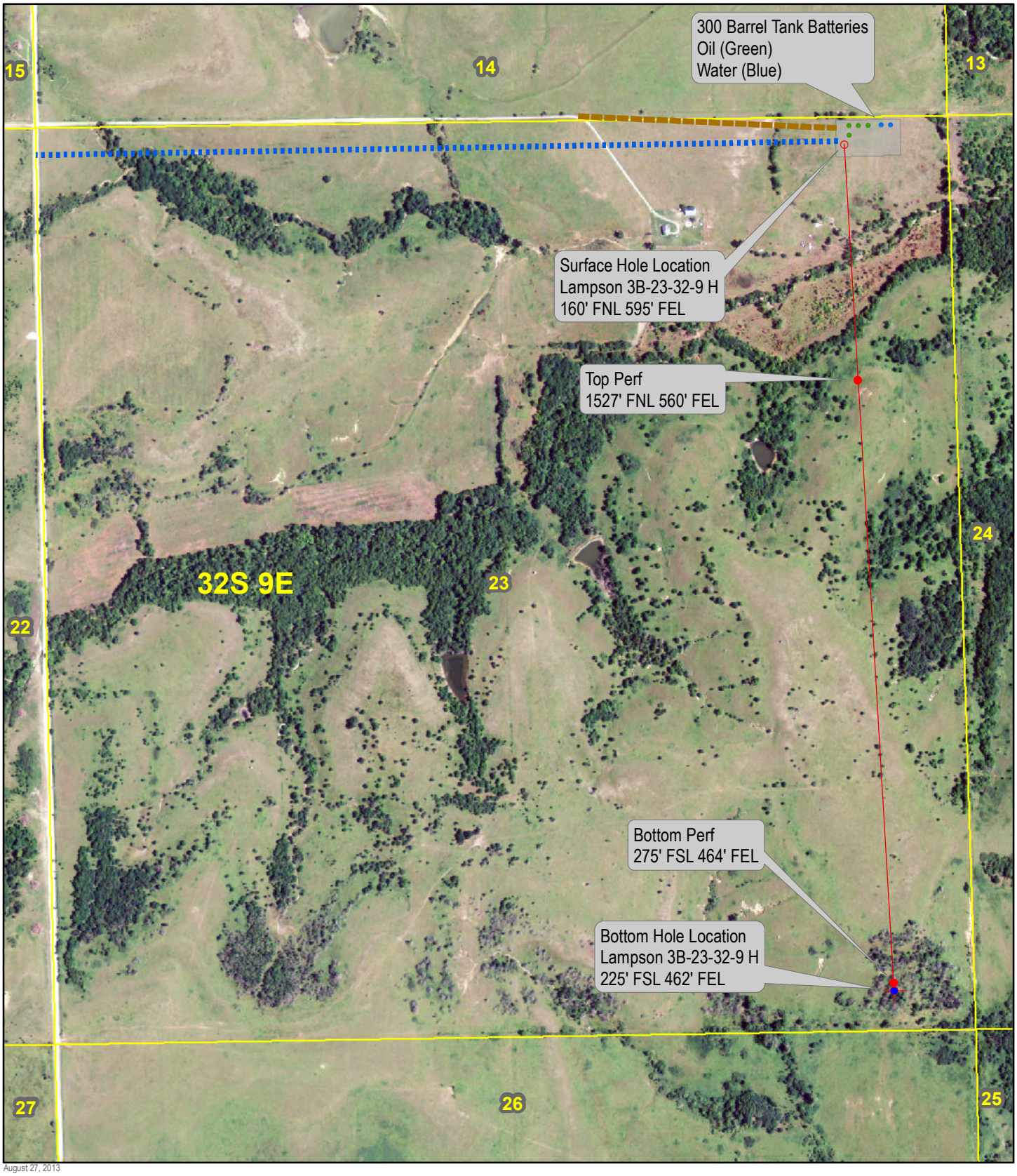
Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Stephen Bennitt

Lampson 3B-23-32-9 H

Chautauqua County, KS

Section 23 T32S R9E



August 27, 2013

NEMAHA OIL AND GAS

Lease Road

Electric Line

0 460 920 1,840 Feet

N

SURVEY REPORT

Weatherford®

Report Date:	**8/18/2013**		
Customer:	**Nemaha Oil and Gas**	Field:	**Fort Scott Lime**
Job Name:	**4029939**	Rig:	**HWD #6**
Well Name:	**Lampson 3B-23-32-9H**	Rig Loc:	**Chautauqua County**

Survey Calculation Method: **Minimum Curvature**

Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
Grid North	**178.34 deg**	**51916 nT**	**65.50 deg**	**3.38 deg**	**1.30 deg**	**2.08 deg**

	Depth	INC	AZ	TVD	NS	EW
Survey Tie-On	**0.00 ft**	**0.00 deg**	**0.00 deg**	**0.00 ft**	**0.00 ft**	**0.00 ft**

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head NS (ft)	Well Head EW (ft)	VSect (ft)	Dogleg (deg/100ft)
216.00	0.56	143.39	216.00	-0.85	0.63	0.87	0.26
398.00	0.60	155.36	397.99	-2.43	1.56	2.47	0.07
442.00	0.69	148.66	441.98	-2.86	1.79	2.91	0.27
473.00	0.58	157.21	472.98	-3.17	1.95	3.22	0.47
503.00	1.43	174.38	502.98	-3.68	2.04	3.74	2.97
532.00	3.53	181.49	531.95	-4.93	2.06	4.99	7.30
563.00	7.40	185.75	562.80	-7.87	1.83	7.92	12.54
592.00	9.55	186.21	591.48	-12.12	1.38	12.16	7.42
622.00	11.35	185.88	620.99	-17.54	0.81	17.55	6.00
652.00	12.45	184.05	650.34	-23.70	0.28	23.70	3.88
682.00	13.35	183.95	679.58	-30.38	-0.19	30.36	3.00
711.00	14.19	182.76	707.75	-37.27	-0.59	37.24	3.06
741.00	14.95	182.17	736.78	-44.81	-0.91	44.76	2.58
771.00	15.43	181.10	765.74	-52.67	-1.13	52.61	1.85
801.00	15.79	181.25	794.63	-60.74	-1.30	60.67	1.21
831.00	16.22	180.41	823.47	-69.01	-1.42	68.94	1.63
861.00	16.94	179.16	852.22	-77.57	-1.38	77.49	2.68
891.00	18.15	178.40	880.82	-86.61	-1.19	86.54	4.10
921.00	19.58	178.32	909.21	-96.30	-0.91	96.24	4.77
951.00	20.80	178.42	937.37	-106.65	-0.62	106.59	4.07
980.00	21.75	178.36	964.39	-117.17	-0.32	117.11	3.28
1010.00	22.91	177.63	992.14	-128.56	0.08	128.51	3.98
1040.00	23.81	177.48	1019.68	-140.45	0.59	140.41	3.01
1070.00	24.38	177.78	1047.07	-152.68	1.09	152.65	1.94
1115.00	25.66	177.23	1087.84	-171.70	1.92	171.68	2.89
1160.00	27.39	177.12	1128.10	-191.77	2.91	191.77	3.85
1205.00	29.50	177.72	1167.67	-213.18	3.88	213.20	4.73
1250.00	32.23	178.74	1206.29	-236.25	4.58	236.29	6.18
1295.00	34.45	179.03	1243.89	-260.98	5.06	261.02	4.95
1340.00	36.78	178.52	1280.47	-287.18	5.62	287.22	5.22
1385.00	39.21	178.69	1315.93	-314.87	6.30	314.92	5.41
1430.00	41.02	177.93	1350.34	-343.85	7.15	343.91	4.17
1475.00	42.86	177.71	1383.81	-373.90	8.30	373.98	4.10
1520.00	45.21	178.13	1416.16	-405.16	9.43	405.26	5.26
1565.00	46.41	178.59	1447.53	-437.41	10.35	437.53	2.77

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head NS (ft)	Well Head EW (ft)	VSect (ft)	Dogleg (deg/100ft)
1609.00	46.56	178.70	1477.82	-469.31	11.11	469.43	0.39
1653.00	46.90	179.55	1507.98	-501.34	11.60	501.47	1.60
1698.00	48.15	179.09	1538.37	-534.53	11.99	534.65	2.88
1743.00	49.92	178.41	1567.87	-568.50	12.74	568.63	4.10
1788.00	51.19	177.72	1596.46	-603.23	13.91	603.38	3.06
1833.00	53.26	177.38	1624.02	-638.76	15.43	638.94	4.64
1878.00	55.53	176.80	1650.22	-675.30	17.29	675.52	5.15
1923.00	57.54	176.83	1675.03	-712.78	19.38	713.04	4.47
1968.00	59.49	176.82	1698.53	-751.10	21.50	751.40	4.33
2013.00	61.84	176.88	1720.58	-790.26	23.66	790.62	5.22
2055.00	64.10	177.03	1739.66	-827.62	25.65	828.02	5.39
2100.00	65.78	178.01	1758.72	-868.34	27.41	868.77	4.22
2145.00	67.61	178.76	1776.53	-909.65	28.57	910.10	4.35
2190.00	69.12	179.08	1793.12	-951.47	29.36	951.93	3.42
2235.00	70.83	178.48	1808.53	-993.74	30.26	994.20	4.00
2280.00	73.19	178.23	1822.42	-1036.52	31.49	1037.00	5.27
2324.00	75.73	178.34	1834.21	-1078.89	32.76	1079.39	5.78
2369.00	78.38	179.07	1844.29	-1122.73	33.75	1123.24	6.10
2414.00	81.64	178.98	1852.10	-1167.04	34.50	1167.55	7.25
2440.00	82.85	179.22	1855.60	-1192.80	34.91	1193.31	4.74
2551.00	85.24	179.78	1867.12	-1303.18	35.87	1303.68	2.21
2596.00	87.78	180.84	1869.86	-1348.10	35.62	1348.56	6.11
2641.00	90.06	181.48	1870.71	-1393.08	34.71	1393.50	5.26
2686.00	89.88	180.99	1870.73	-1438.06	33.74	1438.44	1.16
2731.00	90.00	180.49	1870.78	-1483.06	33.16	1483.40	1.14
2776.00	90.31	179.53	1870.66	-1528.06	33.15	1528.38	2.24
2821.00	90.43	179.36	1870.37	-1573.06	33.59	1573.37	0.46
2866.00	90.31	178.73	1870.07	-1618.05	34.34	1618.37	1.43
2911.00	89.63	177.91	1870.10	-1663.03	35.66	1663.36	2.37
2955.00	90.00	178.49	1870.24	-1707.01	37.04	1707.36	1.56
3000.00	91.17	179.61	1869.78	-1752.00	37.79	1752.36	3.60
3045.00	91.36	180.03	1868.79	-1796.99	37.93	1797.33	1.02
3090.00	90.86	179.19	1867.92	-1841.98	38.24	1842.31	2.17
3135.00	90.12	178.01	1867.53	-1886.96	39.34	1887.31	3.10
3180.00	89.94	177.50	1867.51	-1931.92	41.10	1932.30	1.20
3225.00	89.20	176.07	1867.85	-1976.85	43.62	1977.29	3.58
3270.00	89.01	175.50	1868.55	-2021.72	46.93	2022.23	1.34
3315.00	89.26	175.68	1869.23	-2066.59	50.39	2067.18	0.68
3360.00	89.14	175.40	1869.86	-2111.44	53.89	2112.12	0.68
3405.00	90.49	177.08	1870.00	-2156.35	56.84	2157.09	4.79
3450.00	91.17	178.14	1869.35	-2201.30	58.71	2202.08	2.80
3495.00	92.28	179.41	1867.99	-2246.27	59.68	2247.05	3.75
3540.00	91.85	179.33	1866.37	-2291.24	60.17	2292.02	0.97
3584.00	91.73	178.87	1865.00	-2335.21	60.86	2335.99	1.08
3629.00	90.99	177.69	1863.93	-2380.17	62.21	2380.98	3.09
3674.00	90.56	177.99	1863.32	-2425.14	63.91	2425.97	1.17
3719.00	90.74	177.37	1862.81	-2470.10	65.73	2470.97	1.43
3764.00	89.26	179.10	1862.81	-2515.07	67.12	2515.96	5.06
3809.00	89.51	180.34	1863.29	-2560.07	67.33	2560.95	2.81
3854.00	88.15	179.40	1864.21	-2605.06	67.44	2605.92	3.67

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head NS (ft)	Well Head EW (ft)	VSect (ft)	Dogleg (deg/100ft)
3899.00	88.83	179.60	1865.40	-2650.04	67.83	2650.89	1.58
3944.00	88.94	179.96	1866.27	-2695.03	68.00	2695.87	0.84
3989.00	89.81	179.83	1866.77	-2740.03	68.08	2740.85	1.95
4034.00	89.01	179.83	1867.23	-2785.03	68.22	2785.83	1.78
4079.00	89.12	179.61	1867.96	-2830.02	68.44	2830.81	0.55
4124.00	90.00	179.91	1868.31	-2875.02	68.63	2875.80	2.07
4169.00	89.74	178.55	1868.41	-2920.01	69.23	2920.79	3.08
4213.00	89.63	177.14	1868.65	-2963.98	70.89	2964.79	3.21
4258.00	90.49	176.62	1868.61	-3008.91	73.33	3009.77	2.23
4303.00	90.56	176.21	1868.19	-3053.82	76.15	3054.75	0.92
4348.00	89.38	175.30	1868.22	-3098.70	79.48	3099.70	3.31
4393.00	88.46	176.20	1869.07	-3143.56	82.81	3144.64	2.86
4437.00	89.75	178.17	1869.75	-3187.50	84.97	3188.63	5.35
4482.00	89.63	178.76	1870.00	-3232.49	86.18	3233.63	1.34
4524.00	88.76	178.33	1870.59	-3274.47	87.25	3275.62	2.31
4569.00	88.95	178.59	1871.49	-3319.44	88.45	3320.61	0.72
4614.00	89.08	178.12	1872.26	-3364.42	89.75	3365.61	1.08
4659.00	90.37	178.06	1872.47	-3409.39	91.25	3410.60	2.87
4704.00	90.68	178.01	1872.06	-3454.36	92.79	3455.60	0.70
4749.00	90.43	178.05	1871.63	-3499.33	94.34	3500.60	0.56
4793.00	90.06	178.64	1871.44	-3543.31	95.61	3544.60	1.58
4838.00	89.32	178.83	1871.68	-3588.30	96.60	3589.60	1.70
4883.00	89.94	179.33	1871.97	-3633.30	97.32	3634.59	1.77
4928.00	90.37	179.33	1871.85	-3678.29	97.85	3679.58	0.96
4973.00	90.99	179.05	1871.32	-3723.28	98.49	3724.57	1.51
5018.00	91.05	178.68	1870.52	-3768.27	99.38	3769.57	0.83
5063.00	90.19	177.80	1870.03	-3813.24	100.76	3814.56	2.73
5108.00	89.08	176.51	1870.32	-3858.19	102.99	3859.55	3.78
5153.00	89.69	176.92	1870.80	-3903.11	105.57	3904.53	1.63
5198.00	90.00	176.26	1870.92	-3948.03	108.25	3949.51	1.62
5243.00	90.26	176.61	1870.82	-3992.94	111.04	3994.48	0.97
5287.00	89.21	176.61	1871.02	-4036.86	113.65	4038.46	2.39
5332.00	89.01	176.49	1871.72	-4081.78	116.35	4083.43	0.52
5377.00	90.25	177.17	1872.01	-4126.71	118.84	4128.42	3.14
5422.00	89.75	177.68	1872.01	-4171.66	120.86	4173.41	1.59
5467.00	88.77	177.90	1872.59	-4216.62	122.60	4218.40	2.23
5512.00	88.83	178.73	1873.53	-4261.59	123.92	4263.39	1.85
5557.00	89.32	178.93	1874.26	-4306.58	124.84	4308.39	1.18
5602.00	90.25	179.46	1874.43	-4351.57	125.47	4353.38	2.38
5647.00	90.44	179.96	1874.16	-4396.57	125.70	4398.37	1.19
5692.00	90.74	180.26	1873.70	-4441.57	125.61	4443.34	0.94
5737.00	90.25	180.51	1873.31	-4486.56	125.31	4488.31	1.22
5782.00	89.82	180.58	1873.28	-4531.56	124.88	4533.28	0.97
5827.00	89.69	180.11	1873.47	-4576.56	124.61	4578.25	1.08
5872.00	90.43	179.29	1873.42	-4621.56	124.85	4623.24	2.45
5916.00	90.31	178.77	1873.14	-4665.55	125.59	4667.23	1.21
5961.00	90.25	178.77	1872.92	-4710.54	126.56	4712.23	0.13
6006.00	89.82	179.20	1872.89	-4755.53	127.36	4757.23	1.35
6051.00	89.07	177.64	1873.33	-4800.51	128.60	4802.22	3.85
6096.00	88.89	176.74	1874.13	-4845.45	130.80	4847.21	2.04

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head NS (ft)	Well Head EW (ft)	VSect (ft)	Dogleg (deg/100ft)
6141.00	90.00	176.93	1874.57	-4890.38	133.29	4892.19	2.50
6183.00	89.81	177.47	1874.64	-4932.33	135.34	4934.18	1.36
6206.00	89.81	177.47	1874.71	-4955.31	136.35	4957.18	0.00

Vertical Section is 4957.36 ft along the target direction of 178.34 deg at a measured depth of 6206.18 ft.
Horizontal Displacement is 4957.36 ft along the well bore azimuth of 178.42 deg.
The total correction is 2.08 deg relative to Grid North.

8/20/2013

CONSOLIDATED Oil Well Services, LLC

3390000658

CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	NEMAHA	State, County	Chautauqua , Kansas	Cement Type	CLASS A
Job Type	PUMP JOB	Section	23	Excess (%)	
Customer Acct #		TWP	32	Density	
Well No.	LAMPSON 3B-23-32-9H	RGE	9	Water Required	
Mailing Address		Formation		Yeild	
City & State		Tubing		Sacks of Cement	
Zip Code		Drill Pipe		Slurry Volume	
Contact		Casing Size		Displacement	
Email		Hole Size		Displacement PSI	
Cell		Casing Depth		MIX PSI	
Dispatch Location	BARTLESVILLE	Hole Depth		Rate	

Code	Cement Pump Charges and Mileage	Quantity	Unit	Price per Unit	
5401	CEMENT PUMP (2 HOUR MAX)	1	2 HRS MAX	$1,085.00	$ 1,085.00
5406	EQUIPMENT MILEAGE (ONE-WAY)	65	PER MILE	$4.20	$ 273.00
5609	MISC PUMP (CEMENT TRUCK)	2	PER HOUR	$210.00	$ 420.00
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
				EQUIPMENT TOTAL	$ 1,778.00
	Cement, Chemicals and Water				
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
				Chemical Total	$ -
	Cement Water Transports				
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
				Transports Total	$ -
	Cement Floating Equipment (TAXABLE)				
	Cement Basket				
0			0	$0.00	$ -
	Centralizer				
0			0	$0.00	$ -
0			0	$0.00	$ -
	Float Shoe				
0			0	$0.00	$ -
	Float Collars				
0			0	$0.00	$ -
	Guide Shoes				
0			0	$0.00	$ -
	Baffle and Flapper Plates				
0			0	$0.00	$ -
	Packer Shoes				
0			0	$0.00	$ -
	DV Tools				
0			0	$0.00	$ -
	Ball Valves,Swedges,Clamps, Misc.				
0			0	$0.00	$ -
0			0	$0.00	$ -
0			0	$0.00	$ -
	Plugs and Ball Sealers				
0			0	$0.00	$ -
	Downhole Tools				
0			0	$0.00	$ -
				CEMENT FLOATING EQUIPMENT TOTAL	$ -

TRUCK#	DRIVER NAME
674	DONNIE
700 T133	AARON S

0	SUB TOTAL	$ 1,778.00
8.30%	SALES TAX	$ 195.57
	TOTAL	$ 1,973.57
5%	(-DISCOUNT)	$ 88.90
	DISCOUNTED TOTAL	**$ 1,884.67**

AUTHORIZATION _____ TITLE _____

DATE _____ FOREMAN _____

I ACKNOWLEDGE THAT THE PAYMENT TERMS, UNLESS SPECIFICALLY AMENDED IN WRITING ON THE FRONT OF THE FORM OR IN THE CUSTOMER'S ACCOUNT RECORDS, AT OUR OFFICE,

CONSOLIDATED Oil Well Services, LLC

3390000658

CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	NEMAHA	State, County	Chautauqua , Kansas	Cement Type	CLASS A
Job Type	PUMP JOB	Section	23	Excess (%)	0%
Customer Acct #	0	TWP	32	Density	0
Well No.	LAMPSON 3B-23-32-9H	RGE	9	Water Required	0
Mailing Address	0	Formation	0	Yeild	0
City & State	0	Tubing	0	Sacks of Cement	0
Zip Code	0	Drill Pipe	0	Slurry Volume	0
Contact	0	Casing Size	0	Displacement	0
Email	0	Hole Size	0	Displacement PSI	0
Cell	0	Casing Depth	0	MIX PSI	0
Dispatch Location	BARTLESVILLE	Hole Depth	0	Rate	0

Time:	Description	Rate (bpm)	Volume (bbl)	Pressure	Notes
245AM	ARRIVE ON LOC STILL RUNNING PIPE				
500AM	SAFTY MTG AND RIG UP				
	EST RETURNS				
	PUMP 150BBLS H20	4-5BPM	150	300	
	TOOL MAN DROP BALL				
	PUMP 100 BBLS H20	4	100	300	
	PUMP 20 BBLS H20	3	20	200	
	PUMP 31 BBLS	2	31	2200	
	HELD PRESSURE FOR 10MIN NO BLEED OFF				
	RELEASE AND RACK UP				
	Amount of Cement Left in Casing	0 ft			

Remarks:

THANK YOU