

# Koda Services, Inc.

# INVOICE

Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

Date	Invoice #
10/24/2016	11866

Bill To
Midwestern Exploration 3500 S. Blvd. Suite 2B Edmond OK 73013
<i>★ 20" CONDUCTOR PIPE</i>

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
Sec 5-35S-35W	Billy Daughtery	Net 30	9020	Jennison 7-5	Duke #9
Item	Quantity	Description		Rate	Amount
Conductor	40	Drilled 40' of 30" hole for <u>conductor</u>		30.00	1,200.00
20" Pipe	40	Furnished 40' of 20" conductor pipe		27.00	1,080.00T
Rat & Mouse	30	Drilled 30' of 20" Rat hole		15.00	450.00
Pipe	30	Furnished 30' of 15" rat hole casing		15.00	450.00T
Mouse	20	Drilled 20' of 20" Mouse hole		15.00	300.00
Pipe	20	Furnished 20" of 15" mouse hole casing		15.00	300.00T
Ream Hole	1	Ream Hole for cellar		450.00	450.00
72" X 6'	1	Furnished 6' X 6' tinhorn		450.00	450.00T
Dirt Removal	1	Provided Labor and Equipment for dirt removal and cleanup		500.00	500.00
Mud/Water	6	Furnished Mud, Water, & Trucking		85.00	510.00
Grout	4.5	Furnished grout		150.00	675.00T
Deliver Grout	1	Deliver grout to location		450.00	450.00
Cover Plate	1	Cover Plate		30.00	30.00T
Barrier Fence	1	Provided and Set Barrier Fence		75.00	75.00T
<p>MIDWESTERN EXPLORATION COMPANY</p> <p>LEASE <u>Jenn 7-01</u> DATE <u>10/24/2016</u></p> <p>DRILLER <u>(7)</u></p> <p>COMP. <u>Cement &amp; Services-Surf</u></p> <p>DP. EXP. <u>7/2010</u></p>				<p><b>POSTED</b></p>	
<p>3000 W. your business</p> <p>DATE PAID</p>					
<p><b>Subtotal</b> \$6,920.00</p> <p><b>Sales Tax (6.5%)</b> \$198.90</p> <p><b>Total</b> \$7,118.90</p>					



### Cement Job Summary

Job Number: <b>lib161028</b>	Job Purpose: <b>01 Surface</b>
Customer: <b>Midwestern Exploration Co.</b>	Date: <b>10/28/2016</b>
Well Name: <b>Jennison</b>	Number: <b>7-5</b>
County: <b>Stevens</b>	City: <b></b>
State: <b>Kansas</b>	API/UWI: <b></b>
Coor. Rep: <b></b>	Phone: <b></b>
Rig Phone: <b></b>	Legal Desc: <b></b>
Rig Name: <b>Duke Drilling09</b>	Distance: <b>15 miles (one way)</b>
Supervisor: <b></b>	Employees: <b></b>
James P	Alex A
Jose C	Alex C

Equipment:
Pump Truck 994-4/550
Bulk Truck 1080/842-5
Bulk Truck 870-4/744-5

**Well Information**

**Open Hole Section**

Description:	Size (in):	Focus:	Top MD (ft)	86m MD (ft)	
OPEN HOLE	12 1/4	100%	1390	1,891	TAIL CEMENT
OPEN HOLE	12 1/4	100%	0	1,891	LEAD CEMENT

**Tubulars**

Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	86m MD (ft)
PREVIOUS CASING				J-55		
TOTAL CASING	8 5/8	24	8.097	J-55	0	1,691
SNOE	8 5/8	24	8.097	J-55	1,648	1,691

**Materials - Pumping Schedule**

**STAGE #1**

Fluid Name	Description	Req'd Qty	Density	Yield	Water (gal/sk)
Spacer 1	LC SPACER	10	8.50	n/a	n/a
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	400	11.40	2.95	18.10
Add. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	128.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	100.0	lbm
CSA-200	SUSPENSION AID	0.094	% BWOC	37.6	lbm

Fluid Name	Description	Req'd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS A COMMON	200	15.62	1.19	5.20
Add. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	375.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	50.0	lbm

Fluid Name	Description	Req'd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	104	8.33	n/a	n/a

Fluid Name	Description	Req'd Qty	Density	Yield	Water (gal/sk)
Job Number: <b>lib161028</b>	Job Purpose: <b>01 Surface</b>				

Customer: <b>Midwestern Exploration Co.</b>	Date: <b>10/28/2016</b>
Well Name: <b>Jennison</b>	Number: <b>7-5</b>
County: <b>Stevens</b>	City: <b></b>
State: <b>Kansas</b>	API/UWI: <b></b>
Coor. Rep: <b></b>	Phone: <b></b>
Rig Phone: <b></b>	Distance: <b>15 miles (one way)</b>
Supervisor: <b>James Peppin</b>	0

TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
	CASING	ANNULUS	VOLUME	RATE (BPM)	
10:45 AM					LEFT THE YARD
11:30					ARRIVE ON LOC AND SPOTED TRUCKS
1:00					HAD A SAFETY MEETING WITH RIG CREW
1:20	2000				test lines

\* 8 5/8 surface



### Cement Job Summary

5 1/2" PRODUCTION CASING\*

Job Number: Lib1611031454	Job Purpose: 02 Production/Long String
Customer: Midwestern Exploration Co.	Date: 11/3/2016
Well Name: Jennison	Number: 7-5
County: Stevens	City: Liberal, KS
Cust. Rep:	Phone:
Legal Desc:	Rig Name: Duke Drilling#9
Distance: 15 miles (one way)	Supervisor: Lenny Baeza

Employee	Employee
Hector E.	Ramon E.
	Lenny B.

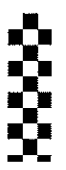
Equipment	Equipment
531-4/541-5	774-4/1066-5

Well Information					
Open Hole Section					
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	7 7/8	25%	4550	6,630	TAIL CEMENT
OPEN HOLE	7 7/8			4,550	LEAD CEMENT
OPEN HOLE	7 7/8				
OPEN HOLE	7 7/8				

Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	8 5/8	24	8.097	J-55	0	1,650
TOTAL CASING	5 1/2	15.5	4.95	J-55	0	6,642
SHOE	5 1/2	15.5	4.95	J-55	6,622	6,642

Materials - Pumping Schedule						
Fluid Name	Description	Restd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	LC SPACER	10	8.50	n/a	n/a	
Fluid Name	Description	Restd Qty	Density	Yield	Water (gal/sk)	
Lead 1	ALLIED 40/60/4 POZ BLEND - CLASS A	50	13.84	1.41	6.80	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
Fluid Name	Description	Restd Qty	Density	Yield	Water (gal/sk)	
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS H	220	13.60	1.92	9.56	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	103.4	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	1100.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	55.0	lbm	
Fluid Name	Description	Restd Qty	Density	Yield	Water (gal/sk)	
Disp. 1	0	157.6164643	8.33	n/a	n/a	

Job Number: Lib1611031454	Job Purpose: 02 Production/Long String
Customer: Midwestern Exploration Co.	Date: 11/3/2016
Well Name: Jennison	Number: 7-5
County: Stevens	City: Liberal, KS
Cust. Rep:	Phone:
Distance: 15 miles (one way)	Rig Phone: 0
	Supervisor: Lenny Baeza





**Cement Job Summary**

*1st squeeze*

Job Number: Lib1611301131	Job Purpose: 05 Squeeze
Customer: Midwestern Exploration Co	Date: 11/30/2016
Well Name: Jennison	Number: 7-5
County: Stevens	City:
Cust. Rep:	Phone:
Legal Desc:	Rig Name:
Distance: 15 miles (one way)	Supervisor: Hector Esqueda

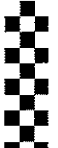
<b>Employment:</b>	
Hector E.	Alex A.
Carlos I.	
<b>Equipment:</b>	
993-541	1080-842
	1039

Well Information						
Tubulars						
Description:	Size (In):	Wgt. (lb/ft)	ID (In)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	5 1/2	15.5	4.95	J-55	0	6,450
TUBING/DRILL PIPE	2 3/8	4.7	1.995	J-55	0	6,430
Squeeze Information						
Description:	# of Perfs	Perf/Leak Depth	Packer/Retainer Depth			
Leak	0		6430			
Perfs			6430			

Materials - Pumping Schedule						
Fluid Name	Description	Req'd Qty	Density	Yield	Water (gal/sk)	
Tail 1	CLASS H PREMIUM	50	15.62	1.18	5.20	
Add. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
Fluid Name	Description	Req'd Qty	Density	Yield	Water (gal/sk)	
Disp. 4	0	24.85855191	0.00	n/a	n/a	

Job Number: Lib1611301131	Job Purpose: 05 Squeeze				
Customer: Midwestern Exploration Co	Date: 11/30/2016				
Well Name: Jennison	Number: 7-5				
County: Stevens	City:				
Cust. Rep:	Phone:				
Distance: 15 miles (one way)	Rig Phone: 0				
	Supervisor: Hector Esqueda				
TIME	PRESSURE - (PSI)		VOLUME - (bbls)		COMMENTS
AM/PM	CASING	ANNULUS	INJECTION	RETURN	
10:00					arrived to location
10:04					rig up iron
10:15					prime up pump
10:30	1800				pressure test to 1800Psi
10:33	20			2	start getting injection rate
10:36	380		8 1/2		loaded @ 8 1/2bbls in 380Psi
10:38	490		10	1.5	10 bbls gone
10:41	1500		16	4	increased rate to 4bpm @ 1500Psi
10:46			34		shut down 34bbls pumped

*1st Squeeze*





**Cement Job Summary**

**2ND SQUEEZE**

Job Number:	Lib1612081229	Job Purpose	05 Squeeze
Customer:	Midwestern Exploration Co	Date:	12/8/2016
Well Name:	Jennison	Number:	7-5
County:	Stevens	City:	Liberal, Ks
Cust. Rep:		Phone:	
Legal Desc:		Rig Name:	
Distance	15 miles (one way)	Supervisor:	Hector Esqueda

<b>Employees:</b>		<b>Employees:</b>	
Hector Esqueda		Carlos Ibarra	
Victor Garcia			

<b>Equipment:</b>		
1071-545		956-841
1039-2		

Well Information						
Tubulars						
Description:	Size (In):	Wgt. (lb/ft)	ID (In)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	5 1/2	15.5	4.95	J-55	C	6,450
TUBING/DRILL PIPE	2 7/8	6.5	2.441	J-55	D	6,430
Squeeze Information						
Description:	# of Perfs	Perf/Leak Depth	Packer/Retainer Depth			
Leak	0		6430			
Perfs			6430			

Materials - Pumping Schedule						
Fluid Name	Description	Rqtd Qty	Density	Yield	Water (gal/sk)	
Tub 1	CLASS H PREMIUM	25	15.60	1.18	5.20	
Add. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.242	% BWOC	7.1	lbm	
Fluid Name	Description	Rqtd Qty	Density	Yield	Water (gal/sk)	
Disp. 4	0	37.21564786	0.00	n/a	n/a	

Job Number:	Lib1612081229	Job Purpose	05 Squeeze		
Customer:	Midwestern Exploration Co	Date:	12/8/2016		
Well Name:	Jennison	Number:	7-5		
County:	Stevens	City:	Liberal, Ks		
Cust. Rep:		Phone:			
Distance	15 miles (one way)	Rig Phone:	0		
		Supervisor:	Hector Esqueda		
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
10:00					arrived to location
10:15					rig up iron
10:45					prime up the pump
11:03	3000				pressure tested the lines to 3000PSI
11:05	20			2.5	start getting the injection rate
11:06	520		5		hole loaded with 5bbls in of fresh water
11:09	2020		7	1.6	7 bbls gone
11:11	1830		10	1.8	10bbls gone

*2nd Squeeze*