Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5263
Name: Midwestern Exploration Company
Address 1: 3500 S BOULEVARD STE 2B
Address 2:
City: EDMOND State: OK Zip: 73013 + 5487
Contact Person: Dale J. Lollar
Phone: (405) 340-4300
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Tom Williams
Purchaser: Valero Energy Corp/ONEOK Field Services

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☑ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ 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 EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

08/01/2017	08/10/2017	10/16/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-189-22846-00-00
Spot Description:
SW-NE-SW-SW Sec. 6 Twp. 35 S. R. 35 ☐ East ☑ West
800 Feet from ☐ North / ☑ South Line of Section
800 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: Stevens
Lease Name: TONY NIX Well #: 1-6
Field Name: Gooch
Producing Formation: Basal Chester
Elevation: Ground: 3010 Kelly Bushing: 3023
Total Vertical Depth: 6675 Plug Back Total Depth: 6640
Amount of Surface Pipe Set and Cemented at: 1678 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: 275 ppm Fluid volume: 400 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: 10/19/2017
☑ **Confidential Release Date:** 10/19/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 10/24/2017

Page Two

Operator Name: Midwestern Exploration Company Lease Name: TONY NIX Well #: 1-6

Sec. 6 Twp. 35 S. R. 35 ☐ East ☑ West County: Stevens

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

Geologist Report / Mud Logs ☑ Yes ☐ No

List All E. Logs Run:

Phased Induction - Shallow Focus SP log
Compensated Neutron PEL Density Micro Log
Compensated Sonic Log

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

Name	Top	Datum
Attached	Attached	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
Conductor	30	20	52	80	4000	88	n/a
Surface	12.25	8.625	32	1678	Class A	700	4% Gel/1/2#sx Cello.
Production	7.875	5.5	17	6674	Class H	150	10% NaCl 6% Gypseal

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	-			
	-			

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: 10/16/2017

Producing Method: ☑ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	139	70	9	500	41

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)*

PRODUCTION INTERVAL:

Top	Bottom
6596	6612

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)*
5	6596	6612			Acid w/ 2000 gal 7-1/2 NEFE Frac w/ 25,103 # 20/40 Sand 329 Bbls (13,818 gal gel wtr) 452,000 scf N2

TUBING RECORD:	Size:	Set At:	Packer At:
	2.375	6618	n/a

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

Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	TONY NIX 1-6
Doc ID	1364242

Tops

Name	Top	Datum
BASE HEEBNER	4316	-1293
TORONTO LIME	4326	-1303
LANSING LIME	4432	-1409
KANSAS CITY LIME	4790	-1767
MARMATION LIME	5209	-2186
CHEROKEE SHALE	5574	-2551
ATOKA LIME	5762	-2739
MORROW SHALE	5944	-2921
LWR MORROW LIME	6254	-3231
CHESTER C LIME	6341	-3318
STE GENEVIEVE	6629	-3606

Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	TONY NIX 1-6
Doc ID	1364242

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	52	80	4000	88	n/a
Surface	12.25	8.625	32	1678	Class A	700	4% Gel/1/2#sx Cello.
Production	7.875	5.5	17	6674	Class H	150	10% NaCl 6% Gypseal

midwestern exploration co.

October 19, 2017

Kansas Corporation Commission
Oil and Gas Conservation Division
130 S. Market, Room 2078
Wichita, Kansas 67202

RE: Confidentiality Request
Tony Nix #1-6 (API 15-189-22846)
SW NE SW SW/4
Section 6-T35S-R35W
Stevens County, Kansas

Gentlemen,

Please hold the information concerning the above well confidential. Your consideration will be appreciated.

Yours very truly,

Dale J. Lollar
President

DJL/sb

Enclosures

3500 S. Boulevard, Ste: 2B • Edmond, OK 73013 (405) 340-4300 • Fax: (405) 340-4301

MIDWESTERN EXPLORATION COMPANY

Terry Ms 1-4

Area: Lot of Land Unassigned
Field: Wildcat Lot of Land

Well Name: Terry Ms 1-4
Company: Midwestern Exploration Company
Location: Section 4 T1N R1W
Lat/Long: 34.3333333,-97.5000000
Spud Date: 07/17/2011
Rig Release: 07/27/2011
Total Depth: 7,500 ft, 6,997 ft TVD

Elevation: 1,000 ft
Kelly Bushing: 1,014 ft
Ground Elevation: 1,000 ft
Drilling Fluid Type: Fresh Water Gel
Total Days: 10
Logs: Dual Induction, Density/Neutron, Sonic, Micro

Depth Datum: KB
Drilling Contractor: Sandridge Exploration and Production
Rig Number: Mobile Rig #1
Bit Size: 7 7/8 in, 6 3/4 in
Casing: 8 5/8 in @ 1,000 ft, 4 1/2 in @ 7,500 ft
Mud Type: Fresh Water Gel
Max Deviation: 0.25°
Max Gas: 1,000 u
Max Drill Rate: 1 min/ft
Max Drilling Mud Weight: 9.2 ppg

CONTACTS

Contractor: Sandridge Exploration and Production
Address: 123 Robinson, Suite 1500
Oklahoma City, OK 73102

CREW

Geologist: Thomas W. Williams
Cell Phone: 405-823-8000
Address: Norman, OK

Formation Tops

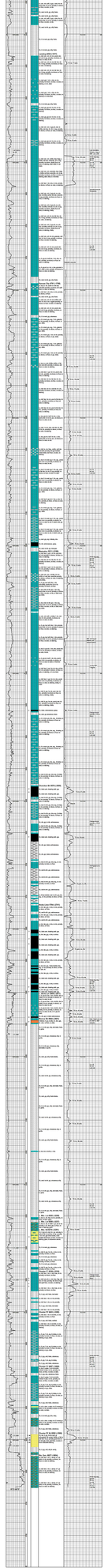
Formation	Actual Top	Sub-sea Top
Stone Corral	1,000 (+1,000)	0
Heebner	4,000 (-2,986)	3,986
Toronto	4,020 (-3,006)	3,986
Lansing	4,270 (-3,256)	3,986
Muncie Creek	4,520 (-3,506)	3,986
Stark	4,670 (-3,656)	3,986
Swope	4,690 (-3,676)	3,986
Hushpuckney	4,720 (-3,706)	3,986
Dennis	4,740 (-3,726)	3,986
Upper Pawnee	4,820 (-3,806)	3,986
Lower Pawnee	4,870 (-3,856)	3,986
Anadarko Shale	4,920 (-3,906)	3,986
Cottage Grove	5,020 (-4,006)	3,986
Oswego	5,070 (-4,056)	3,986
Verdigris	5,120 (-4,106)	3,986
Skinner	5,170 (-4,156)	3,986
Pink Lime	5,220 (-4,206)	3,986
Inola	5,270 (-4,256)	3,986
Red Fork	5,320 (-4,306)	3,986
Upper Bartlesville	5,420 (-4,406)	3,986
Bartlesville	5,470 (-4,456)	3,986
Lower Bartlesville	5,520 (-4,506)	3,986
Tucker	5,570 (-4,556)	3,986
Cleveland	5,620 (-4,606)	3,986
Upper Tonkawa	5,670 (-4,656)	3,986
Tonkawa	5,720 (-4,706)	3,986
Lower Tonkawa	5,770 (-4,756)	3,986
Mississippian	5,820 (-4,806)	3,986
Woodford	6,920 (-5,906)	3,986
Hunton	6,970 (-5,956)	3,986
Viola	7,020 (-6,006)	3,986
Simpson	7,070 (-6,056)	3,986
Arbuckle	7,120 (-6,106)	3,986
Total Depth	7,500 (-6,486)	3,986

NOTES

This is the actual drilling of an actual well drilled by Midwestern Exploration Company. Terry Ms 1-4 was a commercial well. Production was established in the Bartlesville sand. The well was plugged and abandoned after 10 years of production.

Mineral Shows

Oil Show, Gas Show, Water Show, Coal, Cement, Limestone, Dolomite, Shale, Sandstone, Chert, Cuttings, Core, Drill Stem Test, Production Test, Formation Test, Lost Circulation, Stuck Pipe, Open Hole Test, Cased Hole Test, Plug Back, Kick, Trip Gas, Flare, Mud Check, Geological Report, Drilling Rate, Penetration Rate, Gamma Ray, Resistivity, Density, Porosity, Permeability, Calibration, Comments



Cement Job Summary

Job Number:	Lib1708030258	Job Purpose	01 Surface		
Customer:	Midwestern Exploration Co.			Date:	8/2/2017
Well Name:	Tony Nix	Number:	1-6	API/UWI:	
County:	Stevens	City:	Hugoton, Kansas	State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	
Legal Desc:				Rig Name:	Duke #9
Distance	18 miles (one way)	Supervisor:	Hector Esqueda		

Employees:			
Hector Esqueda		Gabriel Mendoza	
Carlos Ibarra		Gerardo Burceaga	

Equipment:	
1071-4-545-5	1080-4-642-5
774-4-841-5	1039-2

Well Information

Open Hole Section

Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	12 1/4	100%	1440	1,685	TAIL CEMENT
OPEN HOLE	12 1/4	100%	80	1,440	LEAD CEMENT
OPEN HOLE	12 1/4	0%	0	80	
OPEN HOLE	12 1/4			0	

Tubulars

Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	20	94	19.124	J-55	0	80
TOTAL CASING	8 5/8	32	8.097	J-55	0	1,683
SHOE	8 5/8	32	8.097	J-55	1,642	1,683

Materials - Pumping Schedule

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	LC SPACER	10	8.40	n/a	n/a
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	500	12.10	2.55	14.86
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1410.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	250.0	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Tail 1	CLASS A COMMON	200	15.62	1.19	5.20
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	376.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	50.0	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 1	Fresh Water	104.5518474	8.33	n/a	n/a

Job Number:	Lib1708030258	Job Purpose	01 Surface		
Customer:	Midwestern Exploration Co.			Date:	8/2/2017
Well Name:	Tony Nix	Number:	1-6	API/UWI:	
County:	Stevens	City:	Hugoton, Kansas	State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	0

Cement Job Summary

Distance	18 miles (one way)				Supervisor	Hector Esqueda
TIME	PRESSURE - (PSI)		[illegible]		COMMENTS	
AM/PM	CASING	ANNULUS	[illegible]	[illegible]		
					8/2/2017	
19:00					arrived to location	
					8/3/2017	
0:36					rig up	
1:06					prime up	
1:18					mix the LCM	
1:20					safety meeting	
1:23	2800				pressure test the lines to 2800PSI	
1:24	80		10	4.7	start pumping the 10bbl STOP LOSS	
1:27	200		227	5	start mixing the lead cement @ 12.10#	
1:56	220		165	6.5	165bbls of lead cement gone	
2:21	180		42	5.9	start mixing the tail cement @ 15.62#	
2:35					shut down (drop the plug)	
					wash up on top of the plug	
2:39	40		100	3.7	star the 100bbl displacement of fresh	
					water	
2:44	110		20	6	20bbls gone	
2:47	110		40	6	40bbls gone	
2:50	180		60	6.6	60bbls gone	
2:53	340		80	6.5	80bbls gone	
2:55	380		90	3	90bbls gone slow rate down to 3bpm	
					to land the plug	
2:58	900		100		landed plug @ 900PSI	
					hold pressure for 5minutes to make	
					sure that the floats are holding	
					released pressure and the floats held	
					good got 1/2bbl back to tank	
					got 130bbls of cement back to surface	
					rig down	
					released from location @ 4:00	

Cement Job Summary

Job Number:	Lib1708121605	Job Purpose	02 Production/Long String		
Customer:	Midwestern Exploration Co.			Date:	8/12/2017
Well Name:	Tony Nix	Number:	1-6	API/UWI:	
County:	Stevens	City:		State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	
Legal Desc:				Rig Name:	
Distance	18 miles (one way)			Supervisor	Victor Corona_Marta

Employees:			
Victor Corona-Marta		Alex Ayala	
Jaime Torres			

Equipment:	
549-4/550-5	953-2
994-4/467-5	

Well Information

Open Hole Section

Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	7 7/8	25%	5400	6,675	TAIL CEMENT
OPEN HOLE	7 7/8			5,400	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	1,700
TOTAL CASING	5 1/2	17	4.95	J-55	0	6,679
SHOE	5 1/2	17	4.95	J-55	6,644	6,679

Materials - Pumping Schedule

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	LC SPACER	10	8.50	n/a	n/a
Fluid Name	**Description**	**Rqstd 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**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS H	150	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	70.5	lbm
CLC-KOL	KOL-SEAL	5	lb/sk	750.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	37.5	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 1	Fresh Water	158.1405554	8.33	n/a	n/a

Job Number:	Lib1708121605	Job Purpose	02 Production/Long String		
Customer:	Midwestern Exploration Co.			Date:	8/12/2017
Well Name:	Tony Nix	Number:	1-6	API/UWI:	
County:	Stevens	City:		State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	0
Distance	18 miles (one way)			Supervisor	Victor Corona_Marta

Cement Job Summary

TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE	
8/12/2017					DATE
1100					Arrived at location
					Casin crew had was still running
					casin down hole
					Rig crew had returns
1440					Safety meeting with company man
					rig crew and BJ crew
1450	2500				Pressure test lines with 2500psi
1455	0		12.7	4	Rat and Mouse Hole 50 sacks
					12.7bbls at 13.85lbs
1509	150		10	4	Spacer LCM 10bbls
1514	250		51.2	4	Tail cement 150sacks
					51.2bbls at 13.6lbs
1532					Drop plug/wash pump out to pit
1540					Start displacement
1543	150		20	7	20bbls gone
1546	150		40	7	40bbls gone
1549	160		60	7	60bbls gone
1552	160		80	7	80bbls gone
1555	190		100	7	100bbls gone
1558	430		120	7	120bbls gone
1601	730		140	7	140bbls gone
1602	720		144	7	144bbls gone slow down rate
1605	1340		154	3	Bump plug/check float
					Check on returns had .5bbls
					Rig Down
					Crew and I thanked the company man
					and rig crew for job opportunity

Koda Services, Inc.

INVOICE

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

Date	Invoice #
8/3/2017	12124

Bill To
Midwestern Exploration 3500 S. Blvd. Suite 2B Edmond OK 73013

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
NW of Liberal, KS	Billy Daughtery	Net 30	9154	Tony Nix 1-6	Duke #9

Item	Quantity	Description	Rate	Amount
Conductor	80	Drilled 80' of 30" hole for conductor	35.00	2,800.00
20" Pipe	80	Furnished 80' of 20" conductor pipe	27.00	2,160.00T
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
Placement	1	Equipment and Labor to install pipe in holes	350.00	350.00
Welder	1	Weld pipe	100.00	100.00
Grout	9	Furnished grout	150.00	1,350.00T
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

POSTED

MIDWESTERN EXPLORATION RECEIVED SEP 05 2017

Tony 1-6

Thank you for your business.

(7) Conductor pipe - CMTG

71010

Subtotal	$10,215.00
Sales Tax (6.5%)	$312.98
Total	$10,527.98

P.O. Box 66 • Woodward, OK 73802-0066 • Phone: (580) 254-5019 • Fax: (580) 254-5908