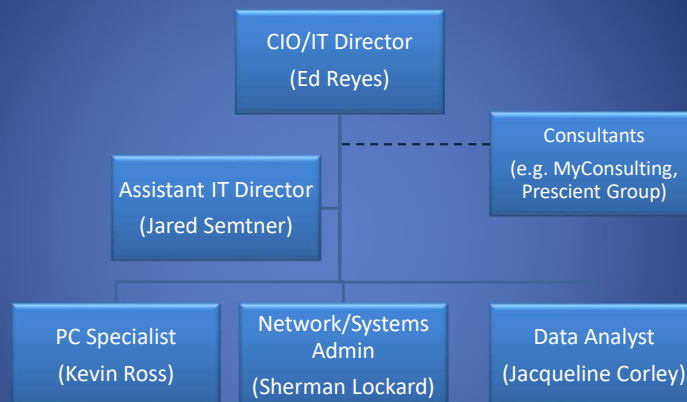




Information Technology Division

IT Division Org Chart



Legacy Systems

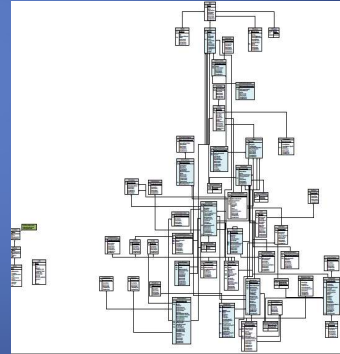
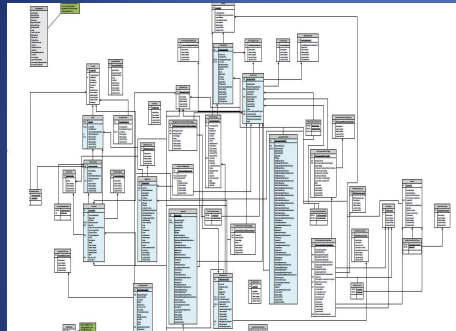
- Access DataBases
- Isolated Tracking Systems
- No Integration
- Spreadsheets

- IBM AS 400

System Development Cost

- System Analysis and Application Development was started in Sept. 2010.
- Development was completed by early 2012 – about a 2 year process.
- CLO has spent to date \$1,593,672 in Application Development and continue with system enhancements.
- Development consisted in III phases, Phase-I spent \$747,660, Phase II and III CLO spent about remainder of the total development cost of \$1,414,600.

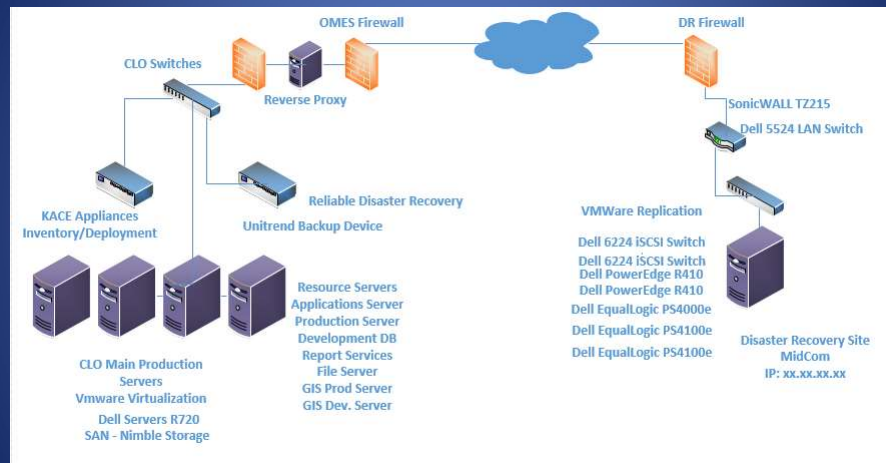
CLO RDBMS



CLO Application - Technology

- Microsoft solution
 - Windows 2012 R2 Domain Controllers, Windows Server 2008 Data Center, SQL Server 2008 R2 Standard Edition, Internet Information Services (IIS), Microsoft Reporting Services, Microsoft Sync Framework, SQL Server Express, Enterprise Library
 - Click-Once deployments
- Dell servers connected to Nimble SAN Units; High Availability clustered servers used for fault tolerance
 - High Availability VMWare servers: Three Dell servers (R710, R720) dual core with 128 Gb RAM
 - SAN Units: Nimble CS-300 with Expansion
- Application design
 - C# programming tool
 - T-SQL scripting
 - Version Control
 - SQL Reporting Services
 - MyConsulting – Developers Contractor

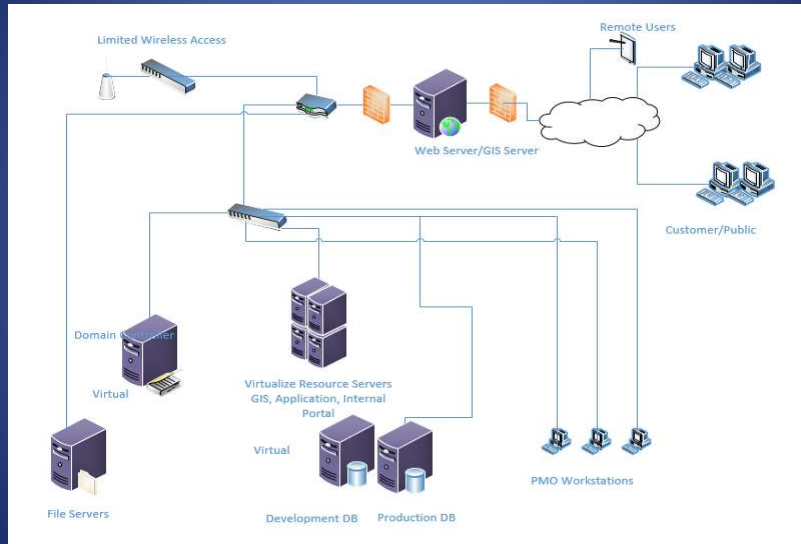
Current Server Infrastructure/DR



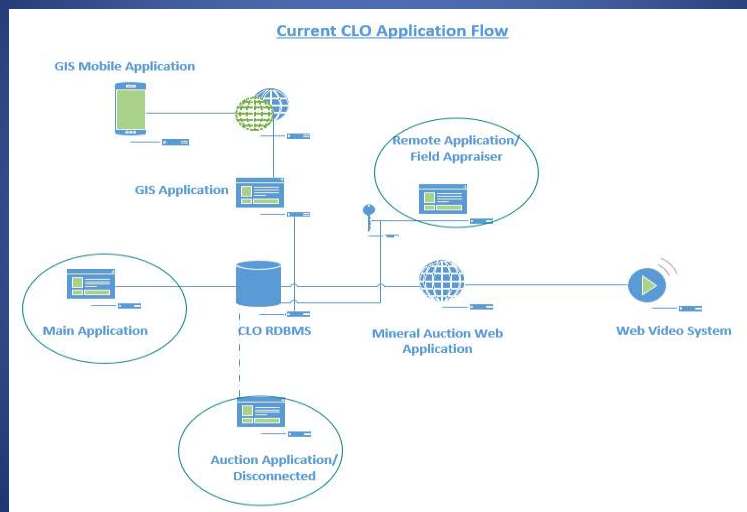
CLO Application - Components

- Central Office Application
 - Real Estate Management Module
 - Minerals Management Module
 - Accounting Module
 - Security Module
 - System Management Module
- Field Appraiser's Laptop Application
- Land Auction Management Laptop Application
- Web Components
 - Electronic Production Reporting System
 - Electronic Debit Submission
 - Online Minerals Auction
 - Electronic Royalty Check Detail and Payment Submission System

CLO Application Infrastructure

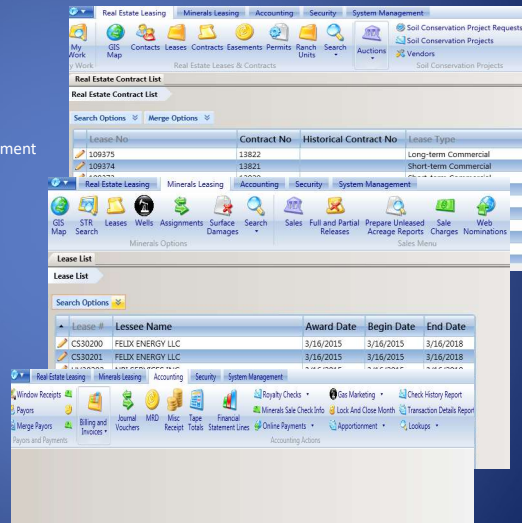


CLO Application Flow



CLO Main Application

- Real Estate Module
 - Contract Management
 - Surface Leases Management
 - Easement Management
 - Ranch Unit Management
 - Surface Auction Management
 - Soil Conservation Project Management
 - Leases Evaluation
- Mineral Module
 - Mineral Leases Management
 - Wells Listing
 - Surface Damages Management
 - Mineral Auction Management
 - Online Bidding Management
- Finance Module
 - Billing & Invoice Management
 - Electronic Payment
 - Gas Marketing Management
 - Apportionment
 - Distribution
 - Payor Management



Real Estate Module

Lease Search Option

Real Estate Contract: 14898, Lease: 817012 | Real Estate Lease List

Real Estate Lease List

Search Options

Lease Number Like 817012 Lease Type Hot = ALL

Lessee Like Area = ALL

STR Like Ex. 1614N04W11(* wild card) Commercial Type = ALL

County = ALL Contract Status = ALL

Historical Lease Number Like Has Commercial Potential =

Has Reversionary Interest = Has Special Conservation =

Ranch Unit =

Search Clear

Show Map

Lease No	Last Contract	County	Last Lessee	Type	RMS	Legal	Current Rent	Current Contract Status	Last Contract
817012	14898	KAY	MERZ, DOUG E	Agricultural	CLO/CCallaway	SE/4 SEC 33-29N-2E1M	\$7,100.00	Active	12/31/2021

Lease Information

Real Estate Contract: 14898, Lease: 817012 | Real Estate Lease - 817012

Real Estate Lease List | Real Estate Lease Details

Lease Information

Lease Number: 817012 Contract Number: 14898

Total Acres: 160.000 Total Top Lease Acres: 0.000

Total All Acres: 160.000 County: KAY

Begin Date: 1/1/2017 End Date: 12/31/2021

Rent: \$7,100.00 Lessee: MERZ, DOUG E

Address: 1500 E FORK RD, NEWKIRK, OK 74647 Contact: MERZ, DOUG E

Phone: 580-761-3692 Auction County: KAY

Lease Legal: SE/4 SEC 33-29N-2E1M (LESS IMPROVEMENTS)

Location: From Stoplight in Newkirk, 4 miles North and 1 mile West to SE corner of property (South side of road)

☐ Has Commercial Potential: ☐ Has Reversionary Interest: RMS Area: CLO/CCallaway

Lease Type: Agricultural Contract Type: Standard Commercial Type:

Notes: Imported:

GIS Legal: SE/4 SEC 33-29N-2E1M

Contracts Appraisals LUE's Easements Soil Conservation Projects Surface Damages Holding Details P

Contract No	Lessee Name	Annual Rent	Contract Status	Billing Period	Billing Amount	Beg
14898	MERZ, DOUG E	\$7,100.00	Active	Annual	7100.00	1/1/
11444	LESEMANN, MILTON	\$4,800.00	Expired	Annual	4800.00	1/1/
8144	LESEMANN, MILTON	\$4,100.00	Expired	Annual	4100.00	1/1/

Lease Info (Cont.)

Real Estate Contract: 14898, Lease: 817012 | Real Estate Lease - 817012

Real Estate Lease List | Real Estate Lease Details

Lease Information

Lease Number:	817012	Contract Number:	14898
Total Acres:	160.000	Total Top Lease Acres:	0.000
Total All Acres:	160.000	County:	KAY
Begin Date:	1/1/2017	End Date:	12/31/2021
Rent:	\$7,100.00	Lessee:	MERZ, DOUG E
Address:	1500 E FORK RD, NEWKIRK, OK 74647	Contact:	MERZ, DOUG E
Phone:	580-761-3692	Auction County:	KAY
Lease Legal:	SE/4 SEC 33-29N-2EIM (LESS IMPROVEMENTS)		
Location:	From Stoplight in Newkirk, 4 miles North and 1 mile West to SE corner of property (South side of road)		
☐ Has Commercial Potential:	☐ Has Reversionary Interest:	RMS Area:	CLO/CCallaway
Lease Type:	Agricultural	Contract Type:	Standard
Notes:	Imported:		
GIS Legal:	SE/4 SEC 33-29N-2EIM		

Contracts | Appraisals | LUE's | Easements | Soil Conservation Projects | Surface Damages | Holding Details | Permits

County	Specific Location	Legal Description	Acres	Top Lease Acres	Begin Date	End Date	Sold Date
KAY		SE/4 SEC 33-29N-2EIM	160.000	0.000	6/14/2011		

Appraisals

Real Estate Lease List | Real Estate Lease Details

Lease Information

Lease Number:	817012	Contract Number:	14898
Total Acres:	160.000	Total Top Lease Acres:	0.000
Total All Acres:	160.000	County:	KAY
Begin Date:	1/1/2017	End Date:	12/31/2021
Rent:	\$7,100.00	Lessee:	MERZ, DOUG E
Address:	1500 E FORK RD, NEWKIRK, OK 74647	Contact:	MERZ, DOUG E
Phone:	580-761-3692	Auction County:	KAY
Lease Legal:	SE/4 SEC 33-29N-2EIM (LESS IMPROVEMENTS)		
Location:	From Stoplight in Newkirk, 4 miles North and 1 mile West to SE corner of property (South side of road)		
☐ Has Commercial Potential:	☐ Has Reversionary Interest:	RMS Area:	CLO/CCallaway
Lease Type:	Agricultural	Contract Type:	Standard
Notes:	Imported:		
GIS Legal:	SE/4 SEC 33-29N-2EIM		

Contracts | Appraisals | LUE's | Easements | Soil Conservation Projects | Surface Damages | Holding Details | Permits

Agricultural Appraisals

Year	Date	Appraiser	Appraisal Type	Crop Acres	Pasture Acres	Waste	Market Value	Appraised Rent
2016	4/15/2016	CLO/CCallaway	Appraisal	100.00	60.00	0	\$283,000.00	\$5,900.00
2011	5/4/2011	IMPORTED	Appraisal	100.20	59.80	0	\$212,040.00	\$4,800.00
2006	5/22/2006	IMPORTED	AppraisalPre2009	60.20	59.80	0	\$105,543.00	\$4,100.00

Lease Use Evaluation

Location: From Stoplight in Newkirk, 4 miles North and 1 mile West to SE corner of property (South side of road)

☐ Has Commercial Potential: ☐ Has Reversionary Interest: RMS Area: CLO\CCallaway

Lease Type: Agricultural Contract Type: Standard Commercial Type:

Notes: Imported:

GIS Legal: SE/4 SEC 33-29N-2E1M

Contracts Appraisals LUE's Easements Soil Conservation Projects Surface Damages Holding Details Permits

Evaluation Date	RMS	Notes
9/28/2016	CCallaway	Good open pasture. Recently baled meadow and made alot of hay bales
4/15/2016	CCallaway	Good open pasture.
7/22/2015	CRegnier	The county has cleared the ROW on the south and east side of this lease.
2/23/2015	CRegnier	Met Clifford to look at county ROW. The county will be working in the ROW
10/6/2014	CRegnier	Fair to good lease.

Lease Use Evaluation (Cont.)

Real Estate Contract: 14096, Lessor: 817012 Lease Use Evaluation - Lessor: 817012 Date: 9/28/2016

Real Estate Lease List Real Estate Lease Details Land Use Evaluation Details

Lease Use Evaluation

Lessor: 817012 View Open

Lessee: LESEHANN, MILTON

County: KAY

Legal Description: SE/4 SEC 33-29N-2E1M

Evaluation Date: 9/28/2016

House on Lease: ☐

Occupied: ☐

Occupant Name:

Issues

Status: Date: Date Resolved

Real Estate Management Specialist: CCallaway

Last Appraisal

Native Grass Acres: 50.00
Total Crop Acres: 100.00
Tame Acres: 0.00
Timber Acres: 0.00

Condition Special Conservation Requirements

Native Grass: GOOD

Tame Grass: None

Timber: None

Pasture Trend: Stable

Number and Description of Livestock:

Hay Meadow:

Farming Practices:

No Till

Crop Comments:

Soybeans looking really good with recent rains

Conservation Needs:

none noted

Problems:

Old grain bin and windmill on the south side.

Notes and Remarks:

Good open pasture. Recently baled meadow and made alot of hay bales with rainfall this summer.

Print LUE
Print LUE with Special Conservation Requirements
Print Special Conservation Project Completion Report

Created: 9/30/2016 5:11:07 PM By: Cole Callaway - Modified: 9/30/2016 5:11:07 PM By: Cole Callaway

Surface Contract Info

Real Estate Contract: 14898, Lease: 817012 Real Estate Lease - 817012

Real Estate Contract List **Real Estate Contract Details**

Contract Details Lease Details Appraisals Easements Billing Summary Historical B

Contract No: 14898 Lease(s): 817012

Lessee Name: MERZ, DOUG E 1500 E FORK RD, NEWKIRK, OK 74647

Lessee History

Payor: 33987-MERZ, DOUG 1150 E FORK RD NEWKIRK OK 74647

Payor History

Contacts

Name	Phone	Address
MERZ, DOUG E	580-761-3692	1500 E FORK RD NEWKIRK, OK 74647

Contract Status: Active Refer to Legal? Refer to Legal Date: Select a date

Payment Arrangement Judgement Date: Select a date

Rental and Fees:

Amount	Period	Type	Begin	End
7100.00	Annual	Rental	1/1/2017	12/31/2021

Add Legal Fee Amount

Ranch Unit:

Historical Contract No:

Begin Date: 1/1/2017

End Date: 12/31/2021

et al: MERZ, KARIN D

Total Acres: 160.00

Is CRP? Is Irrigation? Is Variable?

Notes

Mineral Module

Mineral Well Info

Well List

Well List

Search Options

STR Like Ex.1614ND4W(* wild card) Well Name Lik

PUN Like API Number Lik

P And A Date = Select a date 15 Is OAH? =

Search Clear

Wells

PUN	Sub	API Number	Name	Net Revenue Inter
207631		3512923571	WEST 34-16-22 1H	0.0234375
105963		3508323482	WEST CROSSROADS HUNTON UNIT #124	0.0290625
10085		3500720115	WEST ELMWOOD MORROW "B" ERU #78	0.02486385
36364		3503735153	WEST GLENN SAND ERU #57	0.0625
391		3513930041	WEST HOUGH MORROW ERU #53	0.125
52092		3502720356	WEST NORMAN ERU #113	0.125

Well: WEST 34-16-22 1H - 207631 Lease - CS30680

Well List **Well Information**

Well Info/Completion Reports Products Interest Fund Lease DOI Well

Well Information

PUN-Sub: 207631

API Number: 3512923571

Well Name: WEST 34-16-22 1H

NRI: 0.0234375

P And A Date: Select a date 15

Is OAH Well? 15

Initial Production Date: Select a date 15

Completion Reports

Completion Date	Product	Status	Decimal Inter
1/26/2012	OIL	Original	0.0234375

Mineral Lease Search Option

Well List **Lease List**

Lease List

Search Options

STR Like Ex.1614ND4W(* wild card) Trust Fund = ALL

Lease Number = Begin Date = Select a date

Award Date = Select a date 15 End Date = Select a date

Lessee Name Like Prod. Status = ALL

Search Clear

Lease #	Lessee Name	Award Date	Begin Date	End Date
CS30680	PRIDE ENERGY COMPANY	11/21/2016	11/21/2016	11/21/2019
CS30681	J C LAND MANAGEMENT INC	11/21/2016	11/21/2016	11/21/2019
CS30682	KAI ENERGY SERVICES LLC	11/21/2016	11/21/2016	11/21/2019
CS30683	VIKING RESOURCES LLC	11/21/2016	11/21/2016	11/21/2019
CS30684	VIKING RESOURCES LLC	11/21/2016	11/21/2016	11/21/2019
UP30685	VIKING RESOURCES LLC	11/21/2016	11/21/2016	11/21/2019
CS30686	T C CRAIGHEAD & COMPANY	11/21/2016	11/21/2016	11/21/2019

Mineral Lease Info

Well List Lease - CS30680

Lease List Mineral Lease Details

Lease Info ERU Inventory Lease Estates Assignments Tract Comments

Sale Date: 11/2/2016 Award Date: 11/21/2016 S-T-R: 34-11N-21WIM County: BECKHAM
 Award Amount: \$56,035.00 Gross Acres: 70.000 Net Acres: 35.000 Price Per Acre: \$1,601.00
 Lease #: CS30680 Begin Date: 11/21/2016 End Date: 11/21/2019 Royalty Interest: 0.18750
 Lessee: PRIDE ENERGY COMPANY View
 Shut In? Select a date Slow Pay? Select a date
 Legal Description: N/2 NE/4, less east 10 acres
 Production Status: NP
 Date Inactive: Select a date
 Other Agency:

Well List Lease - CS30680

Lease List Mineral Lease Details

Lease Info ERU Inventory Lease Estates Assignments Tract Comments Files

County	Sec	Twn	Rng	QQ	Q	Gross Acres	Minerals Interest	Net Acres	Leg
BECKHAM	34	11N	21WIM	NE	NE	30.00000	0.50000	15.00000	NE/
BECKHAM	34	11N	21WIM	NW	NE	40.00000	0.50000	20.00000	NW/

Online Users Mgmt

Real Estate Leasing Minerals Leasing Accounting Security System Management

GIS Map STR Search Leases Wells Assignments Surface Damages Search Sales Full and Partial Releases Prepare Unleased Acreage Reports Sales M

Minerals Options

Web Application Users

Web Application Users

Search Options

Username	Last Name	First Name	City	Active
ABishop@MarathonOil.com	Bishop	Andrew	Oklahoma City	☐
abblandman@gmail.com	Burns	Audie	Oklahoma City	☐
adam.visosky@dvn.com	Visosky	Adam	Oklahoma City	☐
AdamBCollins+ProdRepTest@gmail.com	Collins	Adam	OKC	☐
AdamBCollins@gmail.com	Collins	Adam	OKC	☐
adrillhayes@reaganresources.com	Hayes	Adriell	Oklahoma City	☐

Web User Details

Web Application Users Web User Details

User External User Details

User Name: ABishop@MarathonOil.com
 Last Name: Bishop First Name: Andrew
 Address: 7301 NW Expressway City: Oklahoma City
 State: OK Zip Code: 73132
 Phone: 4057205538 Fax:
 Mobile: Active Email: ABishop@MarathonOil.com
 Roles Effective Permissions
 Role Name: Online Auction User Delete

CLO Online Mineral Auction

- Mineral Auction - OnLine
 - Online registration
 - Auction Mineral tracts visibility
 - Bid submission
 - Auction tracking
 - Interface with CLO RDBMS
 - Secured infrastructure



Finance/Accounting Module

Accounting Module

The screenshot displays the Accounting Module interface. The top menu bar includes Real Estate Leasing, Minerals Leasing, Accounting, Security, and System Management. The Accounting menu is open, showing options like Window Receipts, Payors, Merge Payors, Billing and Invoices, Journal Vouchers, MRD, Receipt Totals, Financial Statement Lines, Royalty Checks, Gas Marketing, Check History Report, Minerals Sale Check Info, Lock And Close Month, Transaction Details Report, Online Payments, Appointment, and Lookups. The Billing Details List window is open, showing a Billing Options dialog with Month 12, Year 2016, Type, Due Date 1/13/2017, and Holding Type. The Payor List window is also open, showing a table of payors.

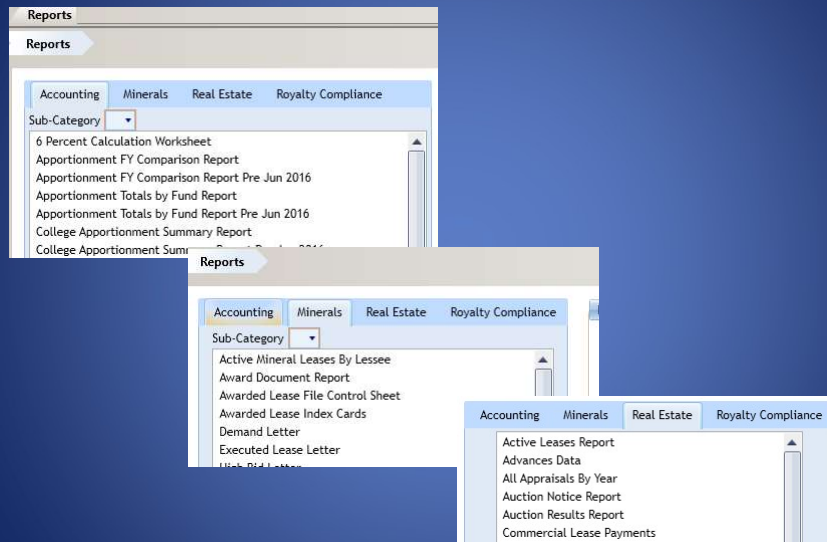
Contact Name	Payor Number	Short Code	Tax
10 TO 1 PRODUCTIONS(J.FRANTZ)	29403	10TO1	816-
101 ENERGY CORP	29402	101EN	8408
1986 SEVILLE GLENDALE DRILLING PROGRAM	33815		
2D CATTLE CO INC	30485		

Accounting Module (Cont.)

The screenshot displays the Accounting Module interface with the Royalty Checks menu open. The menu options include Royalty Checks, LPI Payor Associations, Late Payment Interest, LPI Check Creation, LPI Check Upload, Apache Check Upload, CDEI Upload, Well Payment Reassignment, and Royalty Payment Correction. The interface also shows the Billing Details List and Payor List windows.

Reports Module

Report Categories



Administration

System Management

- Security Module
 - User Management
 - Permission Management
 - Roles Management



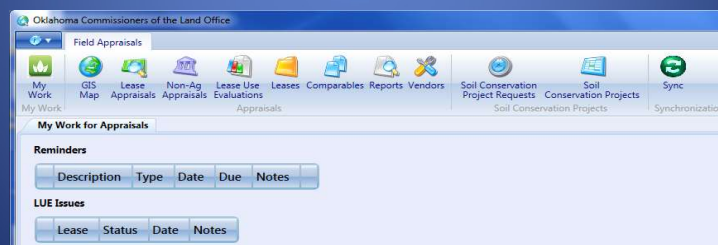
- System Management
 - Oklahoma Tax Commission Info
 - Templates



Appraiser Application

CLO Appraiser Application

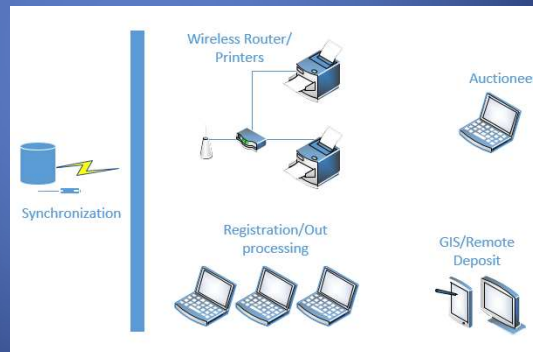
- Field Appraisal Module
 - Automatic Updates
 - AD Permission
 - Electronic signature/Certificate technology
 - Electronic submission
 - Synchronization technology
 - Reports



Surface Auction

CLO Surface Auction Application

- Surface Auction Module
 - Secured WiFi network
 - Laptops using wireless connection
 - Auction registration process
 - Auction surface tracking/bidding results
 - Synchronization
 - Reporting



Surface Auction Application

Oklahoma Commissioners of the Land Office

Real Estate Auction

Bidder Check-in Assign Checkout High Bidders Contacts Contracts Leases Reports Settings Sync

Auction Trail Information Synchronization

Bidder Check In

Auction Location

Auction 10/15/2012 - 1107 DOUGLAS BEAVER OK 73932

Check-In Bidder List

Lessee

Bidder Check out

Bidder Details

Bidder # 3 FRANKLIN JR, TILMAN Edit Lessee

Tax ID Number

Contract List

Ranch Unit	Contract	Lease	Lessee	Amount	Minimum Payment	Payment
12288	307552	FRANKLIN JR, TILMAN	\$1,200.00	\$400.00	\$0.00	\$0.00
12289	307555	FRANKLIN JR, TILMAN	\$2,400.00	\$1,200.00	\$0.00	\$0.00

Annual Rent: \$3,600.00 Minimum Payment: \$1,800.00

Visit Contracts Print Receipt

Payments

Type	Check #	Amount	Delete
Payment	\$0.00	Payment Left: \$0.00	Add Payment

Error with contract 12288: You must select a payor.
 Error with contract 12288: Payment Amount is less than minimum.
 Error with contract 12288: You must select a payor.
 Error with contract 12288: Payment Amount is less than minimum.

CLO Web Portal

[HTTPS://CLO.OK.GOV](https://clo.ok.gov)

MANAGING ASSETS TO SUPPORT EDUCATION

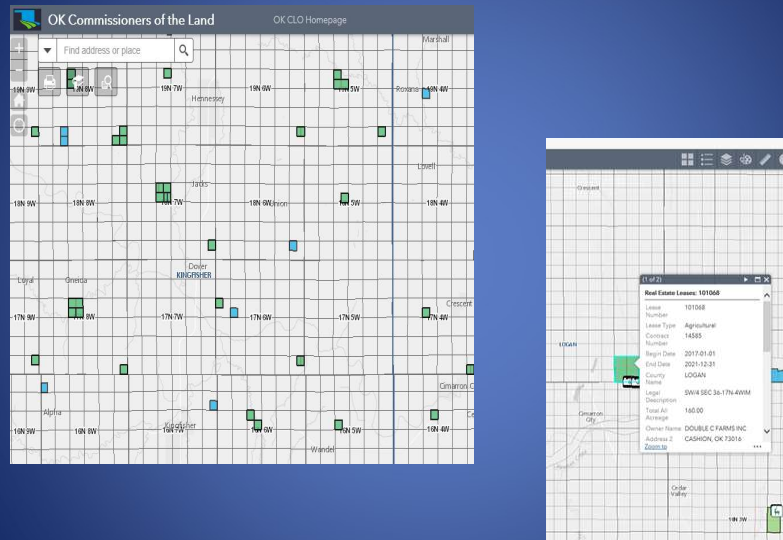
Email Updates | OK.gov | Frequently Asked Questions | Meet Secretary Birdwell | Make a Payment

COMMISSIONERS OF THE
LAND OFFICE
STATE OF OKLAHOMA

HOME AGENCY SERVICES POLICY RESOURCES CONTACT US

Commercial property leases add a level of diversity to our agricultural and minerals portfolios. The ability to deal in commercial real estate has allowed for increased distributions to our beneficiaries.

GIS Services



Upcoming Enhancement

- Online Payment Enhancement
- GIS – Meets and Bounds
- Server Upgrade/SQL Upgrade
- Continuous Application Enhancements
- Convert to Web Application – Long Term

Questions?