

*Automated Fluid
Minerals Support
System*

AFMSS



What is AFMSS ?

AFMSS is a major computer software application that supports statutory and regulatory requirements for oil and gas development on public and Indian lands. This system is designed to support management of the oil and gas well life cycle and the fields where they are drilled. The United States Bureau of Land Management (BLM) ensures that operations are conducted in accordance with approvals, agreements, and regulatory requirements. Wells on land with federal leases or agreements are inspected to ensure compliance and proper production accountability. Core data include leases, agreements, wells, production, approvals of operations, and operator compliance.



Whew!

That was a *mouthful!*

AFMSS Tracks:

Case Information

- **Leases/Agreements**
- **Expiration**
- **Suspensions**
- **Rights of Way**
- **Spacing Orders**

Customer (Operator) Information

- **Name and Addresses**
- **Individual Contact Information**

Bonds

- **Obligator and Principal**
- **Amount**
- **Bond Adequacy Reviews**
- **Bond History**
- **Wells Connected to Bond**
- **Bond Type**

Rights-of-Way (ROW)

- **ROW number and location**

Spacing Orders

- **Spacing Order number and location**



Well Information

- NOS/APD data, i.e.,
 - location
 - well name & number
 - field/pool
 - formation(s)
 - well status
 - API number
 - lease/agreement
- Tracks NOS/APD processing
 - Dates
 - Specialist Reviews



Inspections

- **Production**
- **Drilling**
- **Plugging**
- **Surface/Environmental**
- **Inspection & Enforcement Strategy**

Undesirable Events

- **Spills/Venting**
- **Fire/Accidents**

Compliance

- **Incidents of Noncompliance**
 - **Written Orders**
 - **Verbal Warnings**
 - **Shut Down Orders**
- 

Facility Information, i.e.,

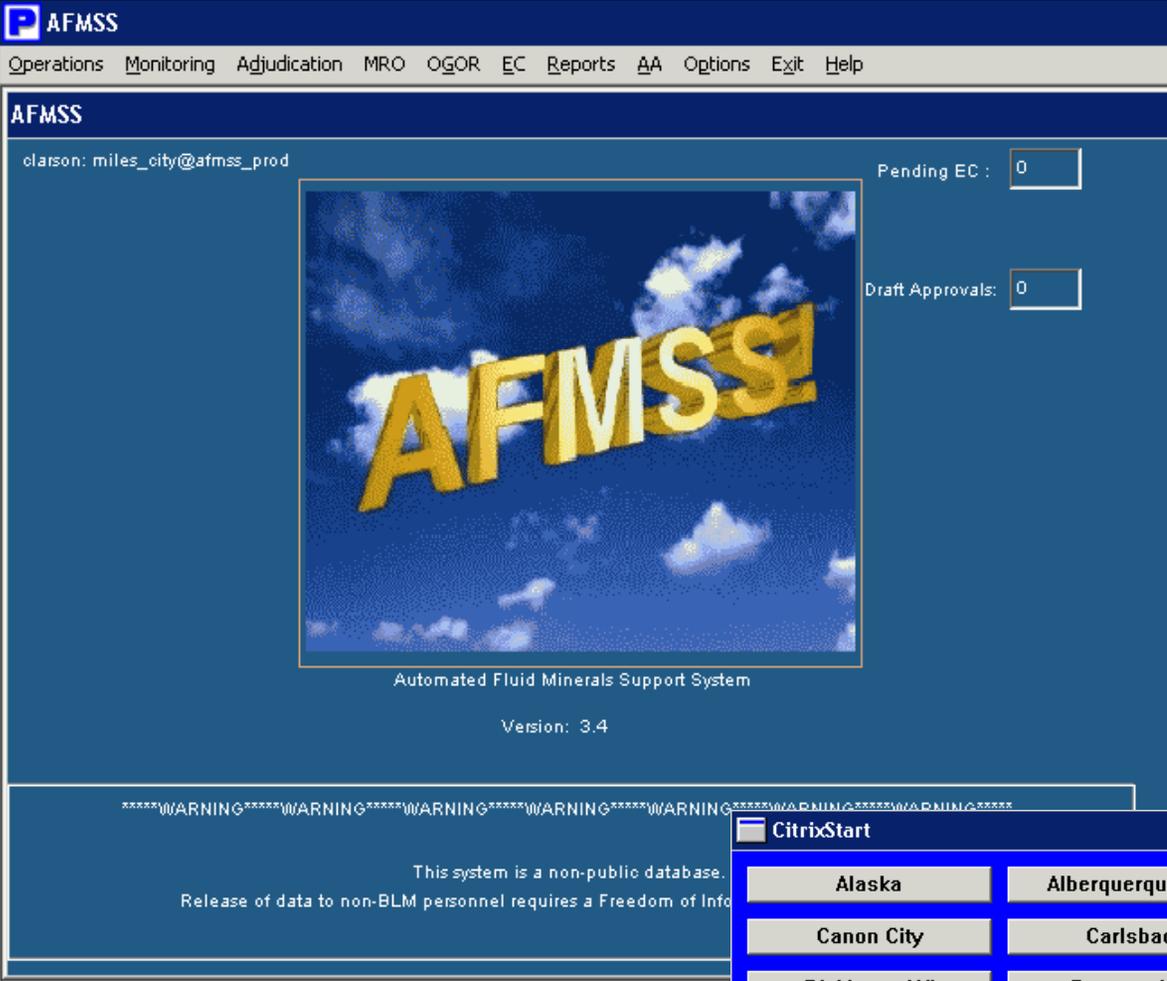
- Location**
- Equipment**
- H2S Data**

Production

- Oil & Gas Operations Report (OGOR)
(Form MMS 4054)**

AFMSS receives the OGOR data from Minerals Management Service (MMS) every two weeks. Data from AFMSS is transmitted to MMS every week.





There are 31 AFMSS databases in 9 states with oil & gas programs.

AFMSS is on a Citrix server and is secured by BASS (Bureau Application Security System).

A Geothermal module is now in production but is separate from AFMSS.



AFMSS

clarson: miles_city@afmss_prod



- APD Reports
- Bond Reports
- EC Reports
- Helium Reports (GLB.105)
- I&E Reports
- MIS Report (GLB.106)
- Rollup Reports (GLB.98)
- Sundry Reports
- Well Reports

Pending EC :

Draft Approvals:

AFMSS contains a variety of “canned” reports.

Version: 3.4

*****WARNING*****WARNING*****WARNING*****WARNING*****WARNING*****WARNING*****WARNING*****

This system is a non-public database.
Release of data to non-BLM personnel requires a Freedom of Information Act (FOIA) request.



APD Reports:

APD Activities (APD.20)
APDs Over 30 Days and Unapproved (APD.13)
APDs Over 45 Days and Incomplete (APD.12)
Approved APDs (APD.14)
APD Well Totals (APD.19)
APD Workload (APD.18)
Expired APDs (APD.15)
NOS Over 6 Months and No Activity (APD.11)
Onsite Surface Reviews (APD.21)

Bond Reports:

Bond Report (GLB.101)
Bonds Reviewed (GLB.102)

I&E Reports:

Facility H2S (IEP.64)
Inspections by Well/Facility (IEP.65)
Inspection Summary by Inspector (IEP.14)
Inspection Summary for Office (IEP.13)
Next Inspection (IEP.67)
Production Discrepancy Summary (IEP.71)
Undesirable Events by Office/Inspector (IEP.42)
Undesirable Events Summary (IEP.41)
Undesirable Events by Well/Facility (IEP.66)
Uninspected Cases (IEP.63)
Uninspected Wells and Facilities (IEP.62)
Violation Status (IEP.48)

Sundry Reports:

Casing Repair Report (SNT.41)
Conversion to Injection/Disposal Report (SNT.40)
Incomplete Sundries (SNT.57)
Plug and Abandon Report (SNT.42)
Recompletion Report (SNT.56)
Sundry Type and Action Dates (SNT.53)
Sundry Workload (SNT.59)
Suspension of Production (SNT.52)
Temporary Abandonment Report (SNT.43)
Variances from Onshore Orders (SNT.54)

Well Reports:

Idle Well Progress (WRT.12)
Orphan Well Report (SNT.61)
Pad Construction (APD.17)
Shut In Report (SNT.44)
Spudded Wells (APD.16)
Well Activities Summary (SNT.50)
Well Status Comparison (OGOR.25)
Well Status Summary (GLB.95)

OGOR Reports:

All Production Averages (OGOR.17)
Missing Document By Case (OGOR.22)
Missing Documents By Well (OGOR.23)
OGOR Report (OGOR.15)
Operator Name Mismatch (OGOR.24)
Production Average By Case (OGOR.16)
Reports by Case (OGOR.21)
Spilled and Lost Oil (OGOR.20)
Venting and Flaring (OGOR.19)
Zero Production (OGOR.18)

New Features

Idle Well Tracking

- Canned Reports: Idle Well Progress Report (WRT.12)
- Temporarily Abandoned Report (SNT.43)
- Shut-In Report (SNT.44)
- Well Status Comparison Report (OGOR.25)

New Features

API No [] [] [] APD Type N/A Received Date []

Well Name [] Number [] Proprietary [] Exp. Date []

Operator [] Customer No. [] Change Effective Date [] District MILES CITY FIELD OFFICE

Name [] City [] State []

Phone [] Ext []

Contact []

Phone [] Ext []

Bond []

Case Number	Type	Lse Type	Case Name
Lease []	[]	[]	[]
Agmt []	[]	[]	[]
Reservation []			
Allottee []			
Fields/Pools []			
Maint []			
Formations []			
Maint []			

Well Type [] Exp/Dev DEV

Status [] Eff []

MMS Office Code [] Helium? []

Res. Area []

SME [] Orphan Well?

State [] Meridian [] Survey []

Description []

Location Type	County	Twp	Range	Sec	Aliquot	NS-foot	EW-foot	Latitude	Longitude	Lot	Tract
Surface	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
Entry Pt	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
Exit Pt	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
Kick Off Pt	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
Bottom	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]

Orphan Well Tracking

Canned Report: Orphan Well Report (SNT.61)

New Features

Security Review

Application Administrators for AFMSS must review the users for their database on a quarterly basis. Users who no longer need access to AFMSS are deleted. This ensures that only authorized users gain access to AFMSS databases.

The screenshot shows a window titled "Security Review (MNT.54)" with a user identifier "clarson: miles_city@afmss_dev" and a "Help" button. The main area contains a table with the following data:

Review By	Review Date	Reviewed	Deleted
clarson	04/01/2004	103	1
clarson	01/02/2004	103	0
clarson	10/01/2003	103	0

To the right of the table, a note reads: "To delete a row clear its date then Save". Below the table are three buttons: "Save", "Exit", and "Print". At the bottom, a status bar displays the message: "Save successful. Existing reviews displayed. Existing reviews displayed." with up and down arrow controls.

New Features

Bond Review and History

clason: miles_city@afmss_dev Help

Bond Number: Coverage: Principal:

Current Bond Amount: Bond Type:

Bond Amount Effective Date: Obligator:

Last Bond Review Date: Remarks:

Acceptable? Reviewed By:

Case Number	T	Operator	API Number	Well Name	Well No	Status	St	County	Tship/Lat	Rng/Long	Sec	Qtr
MTM43132	L	CLINE PRODUCTION C	25033211380081	JACKSON COULE	2	POW	MT	GARFIELD	15N	30E	28	SESE

Show by Case Number Show by IID

Rec Total Wells

Of

Database queried. 1 well rows returned.
Database queried. 1 well rows returned.



Bond Adequacy Review

Canned
Reports:

Bond Report
(GLB.101)

Bonds
Reviewed
(GLB.102)

Bond Review (GLB.109) [X]

Bond Number: C00828
Current Bond Amount: 150000

Bond Adequacy Review:

Bond Adequacy Review Date:
Acceptable?:
Bond Reviewed By:

Change Bond Amount:

New Bond Amount:
Reason for Bond Increase:
Bond Change Effective Date:

Save Exit

Bond History

Bond History (GLB.108)

larsen: milles_city@afmss_dev

Help

Current Bond Number

Bond Amount Effective Date	Bond Adequacy Review Date	Reviewed By	Acceptable?	Bond Number	Amount	Reason for Increase	Coverage	Type	Well Count	Changed B
				CO0828	150,000		Nation Wide	Personal	1	

Print

Exit

Bond Data and History retrieved -- View Only

Note: The "Well Count" column shows the number of wells associated with this bond in AFMSS at the time the bond change was saved in AFMSS, not the current count.

Records

AFMSS/MIS Interface

Although the interface is not active at this time, AFMSS can produce the accomplishments that are entered into MIS.

MIS Interface (MNT.51)

clarson: miles_city@afmss_dev

The AFMSS-to-MIS interface has not started running yet.
As of right now, the next MIS transmission would contain the following data:

FY	PE	Org Code	Subactivity	Project	Qty Actual
2004	EJ	MT020	1310	N/A	36
	NB	MT020	1310	N/A	247

Print Report

MIS Transmission History

FY	PE	Org Code	Subactivity	Project	Qty Actual	Date Sent
----	----	----------	-------------	---------	------------	-----------

MIS Report (GLB.106)

clarson: miles_city@afmss_dev

No existing MIS transmissions on file.
Transmission History Queried.
Next Transmission Queried.

Fiscal Year 2004

Exit Print

Output To Acrobat Preview

GLB.106: MIS Report for Fiscal Year 2004 for Miles City

PE	NAME	ORG	SUB	PROJ	COUNT
EJ	Federal & Indian APDs	MT020	1310	N/A	36
NB	Federal & Indian Inspections	MT020	1310	N/A	247
NB		MT020	1310	TRST	8

The counts shown are cumulative actuals since the beginning of the specified FY.

APDs are counted if

- the APD has been assigned a disposition (any disposition, not just approved)
- the disposition date of the APD is between 10/1 and 9/30 of the specified FY
- the lease associated with the well is not STATE or FEE

If there is no tribe associated with the case the well is on, it is counted as Federal; otherwise, it is counted as Indian.

Inspections are counted if the Completion Date of the Inspection is between 10/1 and 9/30 of the specified FY. If there is no tribe associated with the inspected case, it is counted as Federal; otherwise, it is counted as Indian.

AFMSS Supports Electronic Commerce

AFMSS EC List (EC.1)

clarson: miles_city@afmss_prod

EC List Help

ID #	Status	Type	Attach	Lease Number	Operator	API Number	Well/Fac Name	Well No	St	County	Township	Range	Section
1237	COMMIT	APD		MTBIL-023983	ENCORE OPERAT		MONARCH	23-26H	MT	FALLON	9N	58E	26
1379	COMMIT	WC		MTBIL 023983-	ENCORE OPERAT	2502521898	MONARCH	23-26H	MT	FALLON	9N	58E	26
1510	COMMIT	SN		I37IND13045	MURPHY EXPLOR	2508505120	EAST POPLAR U	62	MT	ROOSEVELT	29N	51E	21
1513	COMMIT	WC		MTBIL 032090	ENCORE OPERAT	2502521917	PENNEL	34-10	MT	FALLON	8N	59E	10
1549	COMMIT	SN		I-37-IND-12883	MURPHY EXPLOR	2508505063	EAST POPLAR U	41	MT	ROOSEVELT	29N	51E	31
1576	COMMIT	SN		MTM82548	BURLINGTON RE	2502521923	ELOB UNIT FED	14-6NH	MT	FALLON	6N	61E	6
1577	COMMIT	SN		I-37-IND-12860	MURPHY EXPLOR	2508505136	EAST POPLAR U	37	MT	ROOSEVELT	29N	51E	18
1592	COMMIT	WC		MTBIL 032090	ENCORE OPERAT	2502521917	PENNEL	34-10	MT	FALLON	8N	59E	10
1593	COMMIT	SN		I-37-IND-12965	MURPHY EXPLOR	2508505096	EAST POPLAR U	81	MT	ROOSEVELT	29N	51E	27
1594	COMMIT	SN		I-37-IND-12719	MURPHY EXPLOR	2508505062	EAST POPLAR U	85	MT	ROOSEVELT	29N	51E	33
1676	COMMIT	SN		I-37-IND-12719	MURPHY EXPLOR	2508505062	EAST POPLAR U	85	MT	ROOSEVELT	29N	51E	33
1681	COMMIT	SN		MTM - 84916	BALLARD PETRO	2506521843	SUNLIGHT FEDE	22-31	MT	MUSSELSHELL	11N	26E	31
1694	COMMIT	SN		I-37-IND-12845	MURPHY EXPLOR	2508508010	EAST POPLAR U	1-6	MT	ROOSEVELT	29N	51E	30
1696	COMMIT	SN		I-37-IND-12965	MURPHY EXPLOR	2508505096	EAST POPLAR U	81	MT	ROOSEVELT	29N	51E	27

Query: Clear Exit Sort Print

EC Header Validate All Print Form Attachments

DISPLAY AND QUERY OPTIONS

Pending EC Transmissions Transaction ID

All EC Transmissions Sent Date

Query returned no rows.
Database queried. 256 rows returned.

Rec of

AFMSS electronically receives Notices of Staking, Applications for Permit to Drill, Well Completion Reports, and Sundry Notices.

Well Information System

WIS

Operators submit documents through the WIS website. AFMSS receives the document, processes, and sends an electronic approval back to the operator. This saves time and money for both parties!



HELP is Available From Any AFMSS Screen

Help

User Guide

EC Guide

AA Manual

Quick Guides

SECOND DRAFT

Software Users Manual (SUM)
for the
Automated Fluid Minerals Support System



Document Number FM-SUG-SUM-00001-003-2D2
Version 3.2
April 28, 2003

AFMSS FIRST DRAFT



Electronic Commerce
Reviewers Manual
(ECRM)
Automated Fluid Minerals Support System

Document Number FM-SUG-ECR-000005-003-1D1
Version 1.0
April 28, 2003

-----SECOND DRAFT-----

Application Administrators Manual (AAM)
for the
Automated Fluid Minerals Support System



Document Number FM-SUG-AAI-00001-003-2D2
Version 3.2
April 28, 2003

AFMSS QUICK GUIDES

The following guides provide brief instructions for performing some BLM Oil and Gas procedures for those users already familiar with AFMSS windows. (For detailed instructions pertaining to a specific AFMSS window click *User Guide* under the HELP button, click the bookmark for *Appendix B*, find the window you want in the list, and click in the *Document Guidelines* column for that list item to see the guidelines in the book.)

- Section I: Inspection and Enforcement Shortcuts
- Section II: AFMSS Enforcement Screen (IEP.43) Redesign
- Section III: AFMSS Inspection Screens Redesign
- Section IV: Idle Well Review
- Section V: Block Operator Move
- Section VI: Orphan Well Tracking
- Section VII: Bond Adequacy Review



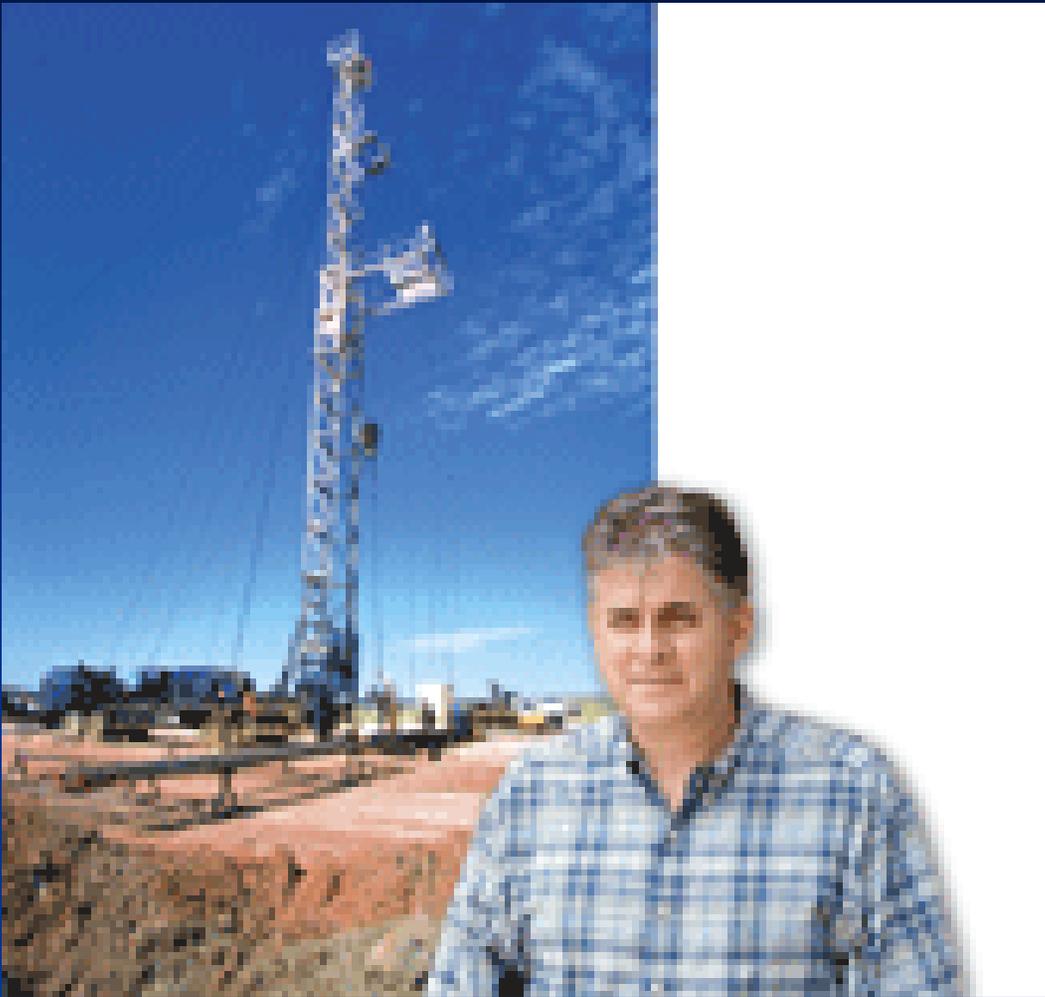
AFMSS HELPDESK 303.236.3516

Casey Ferguson Direct Line: 303.236.3509

Carol Larson (Backup) 406.233.3655

Application Administrators (AA)

Each office has a designated a local Application Administrator (AA). Each state has a designated State AA. These are the first points of contact for users with questions or problems.



Paul Brown

303.236.8586

WO-310D

AFMSS Program Manager

AFMSS

Project Change Management Board

(PCMB)

Each State has a designated representative on the AFMSS PCMB. There are also a number of 'advisors' on the board that represent various disciplines in the oil & gas program.



Carol Larson, Chairperson

Benna Muth, Co-Chairperson



Thank You

