



# Daily Completion Operations

Date: 10/21/2016  
Report #: 1.0

Well Name: McIntosh 44-23

Well Name McIntosh 44-23	Operator PDC Energy Inc.	API 05123216620000	Well Number 105.003171	Last Mod By ECossio	
District Evans	Field Name Wattenberg	County Weld	State CO		
Well Type Development	Surface Legal Location SESE 23 6N 64W	Spud Date 9/26/2003	Original KB Elevation (ft) 4,647.00	Ground Elevation (ft) 4,635.00	KB-Ground Distance (ft) 12.00

**Daily Operation: 10/21/2016 06:00 - 10/21/2016 18:00**

AFE Number WBINOBLE	Job Category Completion/Workover	Objective SET CIBP ABOVE PERFS AHEAD OF HORIZONTAL FRACS/ ANNULAR FILL	Start Date 10/21/2016	End Date 3/10/2017	Primary Job Type Wellbore Integrity	Secondary Job Type RETURN TO PRODUCTION
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**Rigs**

Contractor Bayou Well Service	Rig Number 003
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**Daily Operations**

Report Start Date 10/21/2016	Report End Date 10/21/2016	Daily Field Est Total (Cost) 6,825.00	Cum Field Est To Date (Cost) 6,825.00
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Status at Reporting Time

**Operations Summary**

MIRU BAYOU 3. SPOT IN EQUIPMENT. HELD SAFETY MEETING. ITP 300-PSI. ISCP 400-PSI. ISCP 0-PSI. RU. RU PUMP AND TANK. BLOW DOWN WELL TO FLAT TANK. CONTROL WELL 30 BBLs CLAYTREAT ON TBG AND 40 BBLs CLAYTREAT ON CSG. ND WH. NU BOPS. RUN IN 5 JTS AND TAGGED AT 6970' KB. TOOHD LD TAG JTS. TOOHD STANDING BACK 211 JTS, LD SNNC. WELL WAS LANDED AT 6825.58' KB. RU HYDROTESTER. PU BIT/SCRAPER AND TIH W/ 211 JTS. RU CIRCULATING EQUIPMENT. CIRCULATED GAS OUT OF WELL. TOOHD STANDING BACK 211 JTS, LD BIT/SCRAPER. SWI. SECURE WELL. CREW TO YARD

**Operations Next Report Period**

SET CIBP

Weather	Temperature (°F)	Hole Condition	Road Condition
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**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	06:30	0.50	0.50	SMTG	Safety Meeting	SFTY MTG
06:30	08:00	1.50	2.00	SRIG	Rig Up/Down	MIRU
08:00	09:00	1.00	3.00	WKLL	Kill Well	CONTROL WELL
09:00	09:30	0.50	3.50	BOPI	Install BOP's	ND WH. NU BOPS
09:30	11:30	2.00	5.50	PULT	Pull Tubing	TOOH STANDING BACK. LD SNNC
11:30	14:00	2.50	8.00	RUTB	Run Tubing	RY HYDROTESTER AND PICK UP BIT/SCRAPER
14:00	15:00	1.00	9.00	CIRC	Circulating	CIRCULATED GAS OUT OF WELL
15:00	17:00	2.00	11.00	PULT	Pull Tubing	TOOH STANDING BACK LD BIT/SCRAPER
17:00	17:30	0.50	11.50	LOCL	Lock Wellhead & Secure	SWI. SDFN
17:30	18:00	0.50	12.00	TRAV	Travel - From Location	CREW TO YARD



# Daily Completion Operations

Date: 10/24/2016  
Report #: 2.0

Well Name: McIntosh 44-23

Well Name McIntosh 44-23	Operator PDC Energy Inc.	API 05123216620000	Well Number 105.003171	Last Mod By ECossio	
District Evans	Field Name Wattenberg	County Weld	State CO		
Well Type Development	Surface Legal Location SESE 23 6N 64W	Spud Date 9/26/2003	Original KB Elevation (ft) 4,647.00	Ground Elevation (ft) 4,635.00	KB-Ground Distance (ft) 12.00

**Daily Operation: 10/24/2016 06:00 - 10/24/2016 19:00**

AFE Number WBINOBLE	Job Category Completion/Workover	Objective SET CIBP ABOVE PERFS AHEAD OF HORIZONTAL FRACS/ ANNULAR FILL	Start Date 10/21/2016	End Date 3/10/2017	Primary Job Type Wellbore Integrity	Secondary Job Type RETURN TO PRODUCTION
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**Rigs**

Contractor Bayou Well Service	Rig Number 003
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**Daily Operations**

Report Start Date 10/24/2016	Report End Date 10/24/2016	Daily Field Est Total (Cost) 9,045.00	Cum Field Est To Date (Cost) 15,870.00
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Status at Reporting Time

**Operations Summary**

CREW ON LOCATION. HELD SAFETY MTG. ITP 0-PSI. ICP 0-PSI. ISCP 0-PSI. OPEN WELL. RU WL RUN IN AND SET 4 1/2" 10K OWEN CIBP AT 6600' DUMP BAIL CEMENT OVER CIBP. RD WL. ND BOPS. ND WH. PICK UP CASING SPEAR AND SPEAR INTO CSG AND UNLANDED CSG. NU ANNULAR FLANGES AND STRIPPER RUBBER. PU 1 1/4" MULE SHOE AND TIH PICKING UP 55 JTS 1 1/4" CS HYDRILL WORKSTRING. CONDITIONED HOLE FOR 2 HRS. SWI. SDFN. CREW TO YARD.

**Operations Next Report Period**

ANNULAR FILL

Weather	Temperature (°F)	Hole Condition	Road Condition
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**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	06:30	0.50	0.50	TRAV	Travel - To Location	CREW TO LOCATION
06:30	07:00	0.50	1.00	SMTG	Safety Meeting	SFTY MTG
07:00	08:30	1.50	2.50	WLWK	Wireline	RU WL RUN IN AND SET CIBP AT 6600'. DUMP BAIL CEMENT OVER CIBP
08:30	09:30	1.00	3.50	RUTB	Run Tubing	PU SNNC AND TIH W/ 206 JTS TO TOP OF CIBP
09:30	10:30	1.00	4.50	CIRC	Circulating	CIRCULATED GAS OUT OF WELL.
10:30	12:00	1.50	6.00	PTST	Pressure Test	PRESSURE TEST CSG TO 2500# PSI. HOLD GOOD FOR 15 MINUTES.
12:00	13:30	1.50	7.50	PULT	Pull Tubing	TOOH STANDING BACK 206 JTS . LD SNNC
13:30	14:00	0.50	8.00	BOPR	Remove BOP's	ND BOPS. ND WH
14:00	15:00	1.00	9.00	ROTH	Other Rig Work	UNLANDED CASING AND NU ANNULAR FLANGES
15:00	16:30	1.50	10.50	RUTB	Run Tubing	TIH W/ 55 JTS 1 1/4" CS HYDRILL WORKSTRING.
16:30	18:30	2.00	12.50	CIRC	Circulating	CONDITIONED WELL FOR 2 HRS
18:30	19:00	0.50	13.00	TRAV	Travel - From Location	CREW TO LOCATION



# Daily Completion Operations

Date: 10/25/2016  
Report #: 3.0

Well Name: McIntosh 44-23

Well Name McIntosh 44-23	Operator PDC Energy Inc.	API 05123216620000	Well Number 105.003171	Last Mod By ECossio	
District Evans	Field Name Wattenberg	County Weld	State CO		
Well Type Development	Surface Legal Location SESE 23 6N 64W	Spud Date 9/26/2003	Original KB Elevation (ft) 4,647.00	Ground Elevation (ft) 4,635.00	KB-Ground Distance (ft) 12.00

**Daily Operation: 10/25/2016 06:00 - 10/25/2016 18:30**

AFE Number WBINOBLE	Job Category Completion/Workover	Objective SET CIBP ABOVE PERFS AHEAD OF HORIZONTAL FRACS/ ANNULAR FILL	Start Date 10/21/2016	End Date 3/10/2017	Primary Job Type Wellbore Integrity	Secondary Job Type RETURN TO PRODUCTION
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**Rigs**

Contractor Bayou Well Service	Rig Number 003
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**Daily Operations**

Report Start Date 10/25/2016	Report End Date 10/25/2016	Daily Field Est Total (Cost) 37,629.00	Cum Field Est To Date (Cost) 53,499.00
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Status at Reporting Time

**Operations Summary**

CREW ON LOCATION. HELD SAFETY MEETING. ICP 0-PSI., ISCP 0-PSI. OPEN WELL. CONTINUE TO TIH W/ 75 JTS 1 1/4" CS HYDRILL WORKSTRING TO 2450' CONDITION WELL FOR 3 HRS. RU HALLIBURTON CEMENT AND CEMENT FROM 2450' TO SURFACE. PUMPED 385 SACKS OF 13.5# CEMENT OR 98 BBLs. RD CEMENT. TOOH LAYING DOWN 77 JTS 1 1/4" CS HYDRILL. ND STRIPPER RUBBER. ND ANNULAR FLANGES.. TOP OFF CEMENT TO SURFACE. NU BOPS. SWI. WASH UP WORKSTRING AND ANNULAR FLANGES. RD CEMENTERS. SDFN. CREW TO YARD.

**Operations Next Report Period**

RUN CBL AND RETURN TO PRODUCTION

Weather	Temperature (°F)	Hole Condition	Road Condition
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**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	06:30	0.50	0.50	TRAV	Travel - To Location	CREW TO LOCATION
06:30	07:00	0.50	1.00	SMTG	Safety Meeting	SFTY MTG
07:00	08:00	1.00	2.00	RUTB	Run Tubing	TIH W/ 77 JTS 1 1/4" CS HYDRILL
08:00	11:00	3.00	5.00	CIRC	Circulating	CONDITION WELL
11:00	13:00	2.00	7.00	CEMT	Cement Squeeze	PUMPED CEMENT
13:00	14:30	1.50	8.50	PULT	Pull Tubing	TOOH LD WORKSTRING
14:30	17:00	2.50	11.00	ROTH	Other Rig Work	ND ANNULAR FLANGES/
17:00	17:30	0.50	11.50	BOPI	Install BOP's	NU BOPS
17:30	18:00	0.50	12.00	LOCL	Lock Wellhead & Secure	SWI. SECURE WELL
18:00	18:30	0.50	12.50	TRAV	Travel - From Location	CREW TO YARD



# Daily Completion Operations

Date: 10/26/2016  
Report #: 4.0

Well Name: McIntosh 44-23

Well Name McIntosh 44-23	Operator PDC Energy Inc.	API 05123216620000	Well Number 105.003171	Last Mod By ECossio	
District Evans	Field Name Wattenberg	County Weld	State CO		
Well Type Development	Surface Legal Location SESE 23 6N 64W	Spud Date 9/26/2003	Original KB Elevation (ft) 4,647.00	Ground Elevation (ft) 4,635.00	KB-Ground Distance (ft) 12.00

**Daily Operation: 10/26/2016 06:00 - 10/26/2016 11:00**

AFE Number WBINOBLE	Job Category Completion/Workover	Objective SET CIBP ABOVE PERFS AHEAD OF HORIZONTAL FRACS/ ANNULAR FILL	Start Date 10/21/2016	End Date 3/10/2017	Primary Job Type Wellbore Integrity	Secondary Job Type RETURN TO PRODUCTION
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**Rigs**

Contractor Bayou Well Service	Rig Number 003
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**Daily Operations**

Report Start Date 10/26/2016	Report End Date 10/26/2016	Daily Field Est Total (Cost) 5,825.00	Cum Field Est To Date (Cost) 59,324.00
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Status at Reporting Time

**Operations Summary**

CREW ON LOCATION. HELS SAFETY MTG. ICP 0-PSI. ISCP 0-PSI. OPEN WELL. RU WL AND RUN IN AND RUN CBL FROM 2600' TO SURFACE. RD WL. PU 3 7/8" CONE BIT/ POP OFF BIT SUB AND SN AND TIH W/ 201 JTS 2 3/8", HANG TUBING OFF AT 6504.51'KB . BROACH TUBING TO SN'. ND BOPS. NU WH. RACK UP PUMP AND TANK. RDMO. CLEANED UP LOCATION AND MOVED OFF.

LANDED TUBING AS FOLLOW:

KB= 12.00'  
201 JTS 2 3/8", 4.7#, J-55, 8RD TBG= 6489.51'  
SN= 1.20'  
POP OFF BIT SUB/ CONE BIT= 1.80'  
TOTAL LANDED DEPTH= 6504.51' KB

FMTD 10 JTS 2 3/8", 4.7#, J-55, 8RD TBG FROM WELL TO PDC INVENTORY/ ATP YARD.

**Operations Next Report Period**

FINAL REPORT

Weather	Temperature (°F)	Hole Condition	Road Condition
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**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	06:30	0.50	0.50	TRAV	Travel - To Location	CREW TO LOCATION
06:30	07:00	0.50	1.00	SMTG	Safety Meeting	SFTY MTG
07:00	08:00	1.00	2.00	WLWK	Wireline	RUN CBL FROM 2600' TO SURFACE
08:00	09:00	1.00	3.00	RUTB	Run Tubing	PU CONE BIT/ POP OFF BIT SUB/ SN AND TIH W/201 JTS
09:00	09:30	0.50	3.50	ROTH	Other Rig Work	BROACH TUBING TO SN
09:30	10:00	0.50	4.00	BOPR	Remove BOP's	ND BOPS. NU WH
10:00	11:00	1.00	5.00	SRIG	Rig Up/Down	RDMO