

# State of Colorado Oil and Gas Conservation Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109

FOR OGCC USE ONLY

## MECHANICAL INTEGRITY TEST

Fill out Part II of this form if well tested is a permitted or pending injection well. Send original plus one copy.

1. Duration of the pressure test must be a minimum of 15 minutes.
2. A pressure chart must accompany this report if this test was not witnessed by a OGCC representative.
3. For production wells, test pressures must be at a minimum of 300 psig.
4. For injection wells, test pressures must be at 300 psig or minimum injection pressure, whichever is greater.
5. A minimum 300 psi differential pressure must be maintained between the tubing and tubing/casing annulus pressure.
6. Do not use this form if submitting under provisions of Rule 326.a. (1) B. or C.
7. OGCC notification must be provided prior to the test.
8. Packers or bridge plugs, etc., must be set within 250 feet of the perforated interval to be considered a valid test.

### Complete the Attachment Checklist

	Opw	OGCC
Pressure Chart		
Cement Bond Log		
Tracer Survey		
Temperature Survey		

OGCC Operator Number: 69175		Contact Name and Telephone	
Name of Operator: PDC Energy Inc.		Travis Yenne	
Address: 3801 Carson Ave.		No: 970-506-9272	
City: Evans State: CO Zip: 80620		Fax: 970-506-9276	
API Number: 05-123-22970	Field Name: WATENBURG	Field Number:	
Well Name: CORNISH	Number: 12-3		
Location (QtrQtr, Sec, Twp, Rng, Meridian): SWNW 3-6N-63W			

SHUT-IN PRODUCTION WELL     INJECTION WELL    Facility No.: \_\_\_\_\_

### Part I Pressure Test

- 5-Year UIC Test     Test to Maintain SITA Status     Reset Packer  
 Verification of Repairs     Tubing/Packer Leak     Casing Leak     Other (Describe): \_\_\_\_\_

Describe Repairs: \_\_\_\_\_

NA - Not Applicable	Wellbore Data at Time Test		Casing Test <input type="checkbox"/> NA
Injection/Producing Zone(s)	Perforated Interval: <input type="checkbox"/> NA	Open Hole Interval: <input checked="" type="checkbox"/> NA	Use when perforations or open hole is isolated by bridge plug or cement plug
CORNISH	6770 - 6772		Bridge Plug or Cement Plug Depth

Tubing Casing/Annulus Test				<input type="checkbox"/> NA
Tubing Size:	Tubing Depth:	Top Packer Depth:	Multiple Packers?	
2 3/8"	6438'	6438'	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

Test Data					
Test Date	Well Status During Test	Date of Last Approved MIT	Casing Pressure Before Test	Initial Tubing Pressure	Final Tubing Pressure
1-22-16	SI		533	533	533
Starting Casing Test Pressure	Casing Pressure - 5 Min.	Casing Pressure - 10 Min.	Final Casing Test Pressure	Pressure Loss or Gain During Test	
536	534	533	533	-3 psi	

Test Witnessed by State Representative?  YES     NO    OGCC Field Representative: \_\_\_\_\_

### Part II Wellbore Channel Test

Complete only if well is or will be an injection well.

Indicate method used for cement integrity test, attach appropriate records, charts, or logs unless previously submitted.

<input type="checkbox"/> Tracer Survey	<input type="checkbox"/> CBL or Equivalent	<input type="checkbox"/> Temperature Survey
Run Date: _____	Run Date: _____	Run Date: _____

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: RYAN BEAM

Signed: [Signature] Title: Rig Supervisor Date: 1/22/16

OGCC Approval: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Conditions of Approval, if any:



# Daily Completion Operations

Date: 1/22/2016  
Report #: 3.0

Well Name: Cornish 12-3

Well Name Cornish 12-3	Operator PDC Energy Inc.	API 0512322970000	Well Number 105.005164	Last Mod By RABeam	
District Evans	Field Name Wattenberg	County Weld	State CO		
Well Type Development	Surface Legal Location SWNW 3 6N 63W	Spud Date 5/31/2005	Original KB Elevation (ft) 4,715.00	Ground Elevation (ft) 4,705.00	KB-Ground Distance (ft) 10.00

**Daily Operation: 1/22/2016 06:00 - 1/22/2016 17:30**

A/E Number	Job Category Completion/Workover	Objective MIT TEST	Start Date 1/20/2016	End Date	Primary Job Type Mechanical Integrity Test	Secondary Job Type
------------	-------------------------------------	-----------------------	-------------------------	----------	---	--------------------

**Rigs**

Contractor Ensign	Rig Number 316
----------------------	-------------------

**Daily Operations**

Report Start Date 1/22/2016	Report End Date 1/22/2016	Daily Field Est Total (Cost) 8,824.44	Cum Field Est To Date (Cost) 22,178.19
--------------------------------	------------------------------	--	---

Status at Reporting Time

**Operations Summary**

CREW TO LOCATION  
WELL WAS DEAD THIS AM, OPENED WELL TO FLAT TANK. P/U RIH 5 JTS TBG. R/U PICK TESTING. PRESSURED UP BACKSIDE TO 500 PSI FOR MIT TEST. HELD FOR 15 MIN. LOST 3 PSI IN 15 MIN. INITIAL PRESSURE - 536 PSI, 5 MIN- 534 PSI, 10 MIN- 533 PSI, AND FINAL PRESSURE - 533 PSI. GOOD TEST. NO STATE REP ON LOCATION TO WITNESS TEST. TEST WAS CHARTED. R/D PICK TESTING. P/U RIH 1 JT TBG AND LATCHED ONTO PLUG. RELEASED RBP AND TOOH 206 JTS TBG. L/D RBP AND RETRIEVING HEAD. P/U SN/NC AND TIH OUT OF DERRICK 206 JTS TBG. P/U OFF GROUND AND RIH 9 JTS TBG. R/U LUBRICATOR AND MADE 1.190" BROACH RUN TO SN. R/D LUBRICATOR. P/U RIH (1) 4' PUP JOINT TBG. N/D BOPS AND LANDED WELL AS FOLLOWS:

KB- 10'  
(1) 2 3/8" PUP JOINT- 4'  
215 JTS 2 3/8" 4.70# J-55 8 RD TBG- 6738.97'  
2 3/8" SN/NC- 1.60'

TOTAL LANDED DEPTH = 6754.57' KB ( 15.43' ABOVE TOP CODELL PERFS). N/U TOP WELL HEAD FLANGE AND MASTER VALVE. R/U LUBRICATOR AND SWABBING TOOLS. MADE 8 SWAB RUNS AND RECOVERED 55 BBLs FLUID. SWABBED FLUID FROM 1000' TO 3600'. R/D LUBRICATOR. SWI, RDMO, RWTP.

**Operations Next Report Period**

RDMO, RWTP.

Weather	Temperature (°F)	Hole Condition	Road Condition
---------	------------------	----------------	----------------

**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	07:00	1.00	1.00	TRAV	Travel - To Location	
07:00	08:00	1.00	2.00	ROTH	Other Rig Work	
08:00	11:30	3.50	5.50	RTRIP	Tripping	
11:30	14:30	3.00	8.50	SWAB	Swab Well Down	
14:30	15:30	1.00	9.50	BOPR	Remove BOP's	
15:30	16:30	1.00	10.50	SRIG	Rig Up/Down	
16:30	17:30	1.00	11.50	TRAV	Travel - From Location	



# Daily Completion Operations

Date: 1/21/2016  
Report #: 2.0

Well Name: Cornish 12-3

Well Name Cornish 12-3	Operator PDC Energy Inc.	API 0512322970000	Well Number 105.005164	Last Mod By RABeam	
District Evans	Field Name Wattenberg	County Weld	State CO		
Well Type Development	Surface Legal Location SWNW 3 6N 63W	Spud Date 5/31/2005	Original KB Elevation (ft) 4,715.00	Ground Elevation (ft) 4,705.00	KB-Ground Distance (ft) 10.00

**Daily Operation: 1/21/2016 06:00 - 1/21/2016 14:00**

AFE Number	Job Category Completion/Workover	Objective MIT TEST	Start Date 1/20/2016	End Date	Primary Job Type Mechanical Integrity Test	Secondary Job Type
------------	-------------------------------------	-----------------------	-------------------------	----------	---	--------------------

**Rigs**

Contractor Ensign	Rig Number 316
----------------------	-------------------

**Daily Operations**

Report Start Date 1/21/2016	Report End Date 1/21/2016	Daily Field Est Total (Cost) 3,706.25	Cum Field Est To Date (Cost) 13,353.75
--------------------------------	------------------------------	--	---

Status at Reporting Time

**Operations Summary**

CREW TO LOCATION  
WELL WAS DEAD THIS AM, OPENED WELL TO FLAT TANK. TOOH S/B IN DERRICK 215 JTS 2 3/8" TBG. L/D BIT AND SCRAPER AND P/U 4 1/2" RETRIEVABLE BRIDGE PLUG AND RETRIEVING HEAD. TIH OUT OF DERRICK 206 JTS TBG AND SET RBP W/ 206 JTS 15' OUT @ 6438' KB ( 50' ABOVE TOP OF NIO). J OFF RBP AND L/D 1 JT TBG. R/U RIG PUMP, LOADED TBG AND BACKSIDE, ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN. PRESSURE TESTED BACKSIDE TO 500 PSI AND HELD FOR 15 MIN. TEST GOOD. RELEASED PRESSURE AND POOH L/D 5 JTS TBG AND LEFT HANG FOR THE NIGHT. SWI, SDFD, CREW TO THE YARD.

**Operations Next Report Period**

PERFORM MIT TEST ON WELL. PULL PLUG AND RWTP UPON GOOD TEST.

Weather	Temperature (*F)	Hole Condition	Road Condition
---------	------------------	----------------	----------------

**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	07:00	1.00	1.00	TRAV	Travel - To Location	
07:00	11:00	4.00	5.00	RTRIP	Tripping	
11:00	13:00	2.00	7.00	ROTH	Other Rig Work	SET AND TEST RBP
13:00	14:00	1.00	8.00	TRAV	Travel - From Location	



# Daily Completion Operations

Date: 1/20/2016  
Report #: 1.0

Well Name: Cornish 12-3

Well Name Cornish 12-3	Operator PDC Energy Inc.	API 0512322970000	Well Number 105.005164	Last Mod By RABeam	
District Evans	Field Name Wattenberg	County Weld	State CO		
Well Type Development	Surface Legal Location SWNW 3 6N 63W	Spud Date 5/31/2005	Original KB Elevation (ft) 4,715.00	Ground Elevation (ft) 4,705.00	KB-Ground Distance (ft) 10.00

**Daily Operation: 1/20/2016 06:00 - 1/20/2016 18:00**

AFE Number	Job Category Completion/Workover	Objective MIT TEST	Start Date 1/20/2016	End Date	Primary Job Type Mechanical Integrity Test	Secondary Job Type
------------	-------------------------------------	-----------------------	-------------------------	----------	---	--------------------

**Rigs**

Contractor Ensign	Rig Number 316
----------------------	-------------------

**Daily Operations**

Report Start Date 1/20/2016	Report End Date 1/20/2016	Daily Field Est Total (Cost) 9,647.50	Cum Field Est To Date (Cost) 9,647.50
--------------------------------	------------------------------	--	--

Status at Reporting Time

**Operations Summary**

MIRU ENSIGN RIG #316  
IWP TBG - 400 PSI, CSG- 300 PSI, SURFACE CSG- 0 PSI. HELD SAFETY MEETING AND FUNCTION TESTED BOPS. OPENED WELL TO FLAT TANK AND CONTROLLED W/ FRESH W/ BIOCIDES. N/D WELL HEAD TREE AND N/U BOPS. P/U RIH 5 TAG JTS TBG AND TAGGED 120' BELOW EOT @ 6874' KB, LEAVING 98' RAT HOLE. NO C/O NECESSARY. POOH L/D TAG JTS TBG AND TALLY OUT TO DERRICK 215 JTS 2 3/8" TBG. L/D SN/NC AND P/U 3 7/8" BIT AND CSG SCRAPER. R/U PICK TESTING. TESTED IN OUT OF DERRICK 215 JTS 2 3/8" TBG TO 6500 PSI. ALL JTS TESTED GOOD. R/D PICK TESTING. LEFT HANG FOR THE NIGHT ABOVE THE PERFS. SWI, SDFD, CREW TO THE YARD.

**Operations Next Report Period**

TRIP OUT BIT AND SCRAPER AND TIH W/ RBP. SET PLUG AND TEST.

Weather	Temperature (*F)	Hole Condition	Road Condition
---------	------------------	----------------	----------------

**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	07:00	1.00	1.00	TRAV	Travel - To Location	
07:00	09:00	2.00	3.00	RMOV	Rig Move	
09:00	10:00	1.00	4.00	SRIG	Rig Up/Down	
10:00	11:00	1.00	5.00	WKLL	Kill Well	
11:00	12:00	1.00	6.00	BOPI	Install BOP's	
12:00	17:00	5.00	11.00	RTRIP	Tripping	
17:00	18:00	1.00	12.00	TRAV	Travel - From Location	



# Rocky Mountain Oilfield Rentals

200 South 2nd St Suite # 2 LaSalle, CO 80645

Phone: 970-284-6685

Fax: 970-284-6682 An Ensign Drilling USA Subsidiary

Field Ticket # **Nº 35980**

35980

Date

1/22/2016

<b>Bill To Customer:</b>	PDC	<b>PO#</b>		<b>Lease Name:</b>	Cornish	<b>Well #:</b>	12-3
<b>Address:</b>	3801 Carson Ave			<b>County:</b>	CO	<b>Invoice Ref. #:</b>	
<b>City:</b>	Evans	<b>Field:</b>	Dj Basin	<b>Job Type:</b>	MIT Test	<b>OCSG #:</b>	
<b>State:</b>	CO	<b>Zip:</b>	80620	<b>Casing Sz &amp; Wt:</b>	4-1/2" 11.6#		
<b>Ordered By:</b>	R. Beam	<b>Legal Description:</b>	WCR 74 and HWY 392	<b>Service Man:</b>	Travis Rothe		

NO.	RENTALS/SALES	QTY	PRICE	DSC	TOTAL
1	Rental of 3-1/2" OD Casing Scraper F/4-1/2" 11.6# Casing	1	605.00	38%	375.10
2	Rental of 2-3/8" EUE X 2-3/8" Reg XO Sub BXB	1	125.00	38%	77.50
3	Rental of 3-3/4" OD WLTC Bridge Plug F/4-1/2" 11.6# Casing	1	1,600.00	38%	992.00
4	Rental of 2-3/8" EUE X 5K TIW Valve	3	50.00	38%	93.00
5					0.00
6					0.00
7					0.00
8					0.00
9					0.00
10					0.00
11					0.00
12					0.00
13					0.00
14					0.00
Subtotal Taxable Charges					<b>\$1,537.60</b>

<b>SERVICE MANS TIME</b>					
	Supervisor - T. Rothe (1/22/16)	1	\$800.00		\$800.00
					0.00
					0.00
					0.00
Subtotal Non-Taxable Charges					<b>\$800.00</b>

<b>MILEAGE</b>					
	Travel/Mileage	20	\$2.00		\$40.00
					0.00
					0.00
					0.00
Subtotal Non-Taxable Charges					<b>\$40.00</b>

Terms: Net 30 Days					Total Service & Material:	<b>\$2,377.60</b>
					Tax:	<b>\$44.59</b>
					<b>TOTAL CHARGES:</b>	<b>\$2,422.19</b>

Authorized Agent: \_\_\_\_\_ Date: \_\_\_\_\_  
 RMOR Employee: \_\_\_\_\_



# ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645  
Telephone (970) 284-6006



RIG/UNIT #: 316  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 3720117-SO3

DATE: 22-Jan-16, 06:00

Page: 1 of 1

<b>COMPANY</b>		
PDC ENERGY, INC	LOCATION: CORNISH 12-3 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	7.50	406.50	3,048.75
Rig Up	3.00	290.00	870.00
Crew Travel	1.00	220.00	220.00
Labor - Floor	10.50	55.00	577.50
Tubing Broach	1.00	75.00	75.00
Bird Bath Rental	1.00	35.00	35.00
Oil Saver Rubber	2.00	18.00	36.00
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
2 3/8" Swab Cup	4.00	28.00	112.00
<b>CHARGES &amp; EXPENDABLES SUB-TOTAL</b>			<b>5,062.25</b>
<b>FIELD ESTIMATE (TAX NOT INCLUDED)</b>			<b>\$ 5,062.25</b>

ROD & TUBING DETAILS			
<b>PULLED</b>	SIZE:	PLAIN:	SCRAPERS:
<b>RAN</b>	SIZE:	PLAIN:	SCRAPERS:
NOTES:			
<b>TUBING DETAILS</b>			
<b>PULLED</b>	SIZE:	JOINTS:	TALLY:
<b>RAN</b>	SIZE:	JOINTS:	TALLY:
LANDED AT:		NIPPLE AT:	
NOTES:			
<b>PUMP DETAILS</b>			
SIZE:	TYPE:	SERIAL #:	

<b>CUSTOMER STAMP</b>
-----------------------

PRESSURE TESTS						
FUNCTION BOP	TIME TO OPERATE (s)	LOW (psi)	TIME (min)	HIGH (psi)	TIME (min)	TEST DATE & TIME
INITIAL ACCUM. PRESSURE:		FINAL ACCUM. PRESSURE:		RECHARGE TIME:		
DAILY WALK AROUND: Not run		RAM SAVER: NO		EMERGENCY HORN TEST: Not run		
LEL TEST: Not run		CROWN SAVER: Not run		EMERGENCY ENGINE KILLS: Not run		
DETAILED INSPECTION DATE:				SCBA DRILL DATE:		
MAN DOWN DRILL DATE:				RIG RESCUE DRILL DATE:		
BOP DRILL DATE:				BOP DRILL DURATION:		
IADC DETAILED INSPECTION DATE:						
WEATHER:	WIND:	TEMP: 0 °F	H2S (%): 0.0			

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
22-Jan-16, 06:00	22-Jan-16, 17:30	11.50	Well Services	CREW TRAVEL TO LOC HELD SAFETY MEETING CHECK PRESS O/O/O TIH WITH 7 JTS WAIT FOR HYDRO-TESTER MIRU HYDRO-TESTER MONITORED WELL OK RDMO HYDRO-TESTER PICKED UP 1 MORE JT LATCHED ON TO RBP RELEASED RBP TOOH TOOK RBP;RETRIEVING-HEAD OFF TIH WITH NC;SN;TBG PUT LANDING MANDRIL ON RU LUB BROACHED WELL TO BOTTOM OK RD LUB LAND WELL WITH 215 JTS 1-4' SUB ND BOPE PUT WELL-HEAD BACK TOGETHER RU LUB START SWABBING IFL--1000' FFL --3600' MADE 8 RUNS RECOVERED 55 BBLs FP 0/0 RIG DOWN LUB;RIG;PUMP;TANK GOT READY TO MOVE SHUT DOWN CREW TRAVEL HOME
<b>TOTAL TIME: 11.50 hours</b>				

CREW DETAILS										
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE	
Operator	Carlos Villereal	22-Jan-16, 06:00	11.50	0.00	No	0.00		0.00	Yes	
Relief Operator	Roger Garcia	22-Jan-16, 06:00	11.50	0.00	No	0.00		0.00	Yes	
Relief Operator	Andrew Peetoom	22-Jan-16, 06:00	11.50	0.00	No	0.00		0.00	Yes	
Operator	Tito Espinoza	22-Jan-16, 06:00	11.50	0.00	No	0.00		0.00	Yes	
Derrickhand	Jesus Grajeda	22-Jan-16, 06:00	11.50	0.00	No	0.00		0.00	Yes	

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE:  	The customer agrees that the contractor ("Ensign") will perform the work and supply the materials ("the work") as described within and in accordance with the conditions set out in the IADC contract and in accordance with all exhibits, specifications, schedules and/or parts (if any) attached hereto.
	OPERATOR'S REP. SIGNATURE:    RYAN 405--8585



# ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645  
Telephone (970) 284-6006



RIG/UNIT #: 316  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 3720117-SO2

DATE: 21-Jan-16, 06:00

Page: 1 of 1

<b>COMPANY</b>		
<b>PDC ENERGY, INC</b>	LOCATION: CORNISH 12-3 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	5.50	406.50	2,235.75
Crew Travel	1.00	220.00	220.00
Labor - Floor	5.50	55.00	302.50
Bird Bath Rental	1.00	35.00	35.00
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
<b>CHARGES &amp; EXPENDABLES SUB-TOTAL</b>			<b>2,881.25</b>
<b>FIELD ESTIMATE (TAX NOT INCLUDED)</b>			<b>\$ 2,881.25</b>

<b>CUSTOMER STAMP</b>
-----------------------

ROD & TUBING DETAILS			
<b>PULLED</b>	SIZE:	PLAIN:	SCRAPERS:
<b>RAN</b>	SIZE:	PLAIN:	SCRAPERS:
NOTES:			
<b>TUBING DETAILS</b>			
<b>PULLED</b>	SIZE:	JOINTS:	TALLY:
<b>RAN</b>	SIZE:	JOINTS:	TALLY:
LANDED AT:		NIPPLE AT:	
NOTES:			
<b>PUMP DETAILS</b>			
SIZE:	TYPE:	SERIAL #:	

PRESSURE TESTS						
FUNCTION BOP	TIME TO OPERATE (s)	LOW (psi)	TIME (min)	HIGH (psi)	TIME (min)	TEST DATE & TIME
INITIAL ACCUM. PRESSURE:		FINAL ACCUM. PRESSURE:		RECHARGE TIME:		
DAILY WALK AROUND: Not run		RAM SAVER: NO		EMERGENCY HORN TEST: Not run		
LEL TEST: Not run		CROWN SAVER: Not run		EMERGENCY ENGINE KILLS: Not run		
DETAILED INSPECTION DATE:				SCBA DRILL DATE:		
MAN DOWN DRILL DATE:				RIG RESCUE DRILL DATE:		
BOP DRILL DATE:				BOP DRILL DURATION:		
IADC DETAILED INSPECTION DATE:						
WEATHER:		WIND:		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
21-Jan-16, 06:00	21-Jan-16, 14:00	8.00	Well Services	CREW TRAVEL TO LOC HELD SAFETY MEETING CHECK PRESS 0/0/0 TOOH WITH SCRAPER TIH WITH RBP;RETRIEVING-HEAD PLUS 206 JTS SET RBP WITH 15' IN ON JT 206 LAID 2 JTS DOWN CIRC WELL CLEAN PRESS TEST CSG TO 500 HELD FOR 15 MIN RELEASE PRESS LAID DOWN 6 MORE JTS SHUT WELL IN CREW TRAVEL HOME WORKED ON TONGS AND LUB 1.5 HRS ENSIGN
<b>TOTAL TIME: 8.00 hours</b>				

CREW DETAILS									
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE
Operator	Carlos Villereal	21-Jan-16, 06:00	8.00	0.00	No	0.00		0.00	Yes
Relief Operator	Roger Garcia	21-Jan-16, 06:00	8.00	0.00	No	0.00		0.00	Yes
Relief Operator	Andrew Peetoom	21-Jan-16, 06:00	8.00	0.00	No	0.00		0.00	Yes
Operator	Tito Espinoza	21-Jan-16, 06:00	8.00	0.00	No	0.00		0.00	Yes
Derrickhand	Jesus Grajeda	21-Jan-16, 06:00	8.00	0.00	No	0.00		0.00	Yes

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	<p>The customer agrees that the contractor ("Ensign") will perform the work and supply the materials ("the work") as described within and in accordance with the conditions set out in the IADC contract and in accordance with all exhibits, specifications, schedules and/or parts (if any) attached hereto.</p> <p>OPERATOR'S REP. SIGNATURE: </p> <p>RYAN 405-8585</p>



# ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645  
Telephone (970) 284-6006



RIG/UNIT #: 316  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 3720117-SO1

DATE: 20-Jan-16, 06:00

Page: 1 of 1

<b>COMPANY</b>		
<b>PDC ENERGY, INC</b>	LOCATION: CORNISH 12-3 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	11.00	406.50	4,471.50
Crew Travel	1.00	220.00	220.00
Labor - Floor	11.00	55.00	605.00
Bird Bath Rental	1.00	35.00	35.00
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
<b>CHARGES &amp; EXPENDABLES SUB-TOTAL</b>			<b>5,419.50</b>
<b>FIELD ESTIMATE (TAX NOT INCLUDED)</b>			<b>\$ 5,419.50</b>

<b>CUSTOMER STAMP</b>
-----------------------

ROD & TUBING DETAILS					
<b>PULLED</b>	SIZE:	PLAIN:	SCRAPERS:	PONY'S:	
<b>RAN</b>	SIZE:	PLAIN:	SCRAPERS:	PONY'S:	
NOTES:					
<b>TUBING DETAILS</b>					
<b>PULLED</b>	SIZE:	JOINTS:	TALLY:		
<b>RAN</b>	SIZE:	JOINTS:	TALLY:		
LANDED AT: NIPPLE AT:					
NOTES:					

<b>PUMP DETAILS</b>		
SIZE:	TYPE:	SERIAL #:

PRESSURE TESTS						
FUNCTION BOP	TIME TO OPERATE (s)	LOW (psi)	TIME (min)	HIGH (psi)	TIME (min)	TEST DATE & TIME
INITIAL ACCUM. PRESSURE:		FINAL ACCUM. PRESSURE:		RECHARGE TIME:		
DAILY WALK AROUND: Not run		RAM SAVER: NO		EMERGENCY HORN TEST: Not run		
LEL TEST: Not run		CROWN SAVER: Not run		EMERGENCY ENGINE KILLS: Not run		
DETAILED INSPECTION DATE:				SCBA DRILL DATE:		
MAN DOWN DRILL DATE:				RIG RESCUE DRILL DATE:		
BOP DRILL DATE:				BOP DRILL DURATION:		
IADC DETAILED INSPECTION DATE:						
WEATHER:		WIND:		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
20-Jan-16, 06:00	20-Jan-16, 18:00	12.00	Well Services	CREW TRAVEL TO LOC HELD SAFETY MEETING ROAD RIG TO NEXT LOC CHECK PRESS 400/300/0 RIG UP RIG;PUMP;TANK BLED PRESS DOWN PUMPED 15/15 T00K WELL-HEAD APART NU BOPE UNSEAT TBG PICKED UP 5 TAG JTS TAGGED 120' IN LAID DOWN 5 TAG JTS TOOH ;TALLYING OUT 215 JTS MIRU HYDRO-TESTER TIH WITH SCRAPER TESTING IN HAD HARD TIME GETTING STARTED SCRAPER WOULD NOT GO THROUGH HAD TO FORCE IT FINALLY WENT THROUGH RAN 215 JTS ALL GOOD RDMO HYDRO-TESTER SHUT WELL IN CREW TRAVEL HOME
<b>TOTAL TIME: 12.00 hours</b>				

CREW DETAILS									
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE
Operator	Carlos Villereal	20-Jan-16, 06:00	12.00	0.00	No	0.00		0.00	Yes
Relief Operator	Roger Garcia	20-Jan-16, 06:00	12.00	0.00	No	0.00		0.00	Yes
Relief Operator	Andrew Peetoom	20-Jan-16, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	Tito Espinoza	20-Jan-16, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Jesus Grajeda	20-Jan-16, 06:00	12.00	0.00	No	0.00		0.00	Yes

SIGNATURES		
RIG MANAGER/SUPERVISOR'S SIGNATURE:	The customer agrees that the contractor ("Ensign") will perform the work and supply the materials ("the work") as described within and in accordance with the conditions set out in the IADC contract and in accordance with all exhibits, specifications, schedules and/or parts (if any) attached hereto.	OPERATOR'S REP. SIGNATURE:
		RYAN 405-8585

**Pick Testers  
Sterling,CO 80751**

PDC Energy  
API # 05-123-22970

**Shawn Fiscus  
970-520-5697**

Ryan Beam  
Cornish 12-3

SW NW Sec 3 6N 63W

MIT

Interval:

60 Seconds

DataPoint	LogDate	LogTime	3-P PSI
0		8:10:52 AM	536
1		8:11:52 AM	535
2		8:12:52 AM	535
3		8:13:52 AM	535
4		8:14:52 AM	534
5		8:15:52 AM	534
6		8:16:52 AM	534
7	1/22/2016	8:17:52 AM	534
8		8:18:52 AM	534
9		8:19:52 AM	534
10		8:20:52 AM	533
11		8:21:52 AM	533
12		8:22:52 AM	533
13		8:23:52 AM	533
14		8:24:52 AM	533
15		8:25:52 AM	533

