



# ENSIGN WELL SERVICES

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



RIG/UNIT #: 356  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 4043195-SO2

DATE: 22-Aug-17, 06:00

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<b>COMPANY</b>		
<b>PDC ENERGY, INC</b>	LOCATION: Guttersen 22-28 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	11.50	406.50	4,674.75
Crew Travel	2.00	220.00	440.00
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>5,237.75</b>
<b>FIELD ESTIMATE (TAX NOT INCLUDED)</b>			<b>\$ 5,237.75</b>
<b>CUSTOMER STAMP</b>			

ROD & TUBING DETAILS						
<b>ROD DETAILS</b>						
PULLED	SIZE:	PLAIN:	SCRAPERS:	PONY'S:		
RAN	SIZE:	PLAIN:	SCRAPERS:	PONY'S:		
NOTES:						
<b>TUBING DETAILS</b>						
PULLED	SIZE:	JOINTS:	TALLY:			
RAN	SIZE:	JOINTS:	TALLY:			
LANDED AT:			NIPPLE AT:			
NOTES:						
<b>PUMP DETAILS</b>						
SIZE:		TYPE:			SERIAL #:	
<b>PRESSURE TESTS</b>						
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: Sunny		WIND: Calm		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
22-Aug-17, 06:00	22-Aug-17, 19:30	13.50	Rig - Pick Up/Lay Down Tubular	Crew traveled to loc crew held safety meeting check press 0/0/0 switch equip 2 3/8 to 4 1/2 R/D floor tubing equip N/D BOP flange wellhead Take of surface cap and packing P/U 8' 4 1/2" pup joint unland casing from slips N/U spool BOP R/U work floor tongs lay down line L/D 19jnts 4 1/2" 10.5# casing switch equip 4 1/2" to 2 3/8" P/U 30jnts 2 3/8 tubing with mule shoe on bottom R/U Kelly condition hole down tubing return casing MIRU cementers cementers held safety meeting mix/pump 365 sacs cement to surface R/D cementers L/D 30jnts 2 3/8 tubing R/D tongs work floor N/D BOP spool top off cement with 5 sacs cement wash equip rack pump and tank crew cleaned loc crew traveled home
<b>TOTAL TIME: 13.50 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	Matthew McGraw	22-Aug-17, 06:00	13.50	0.00	No	0.00		0.00	Yes	
Derrickhand	Oscar Arce	22-Aug-17, 06:00	13.50	0.00	No	0.00		0.00	Yes	
Relief Operator	Sergio Ibuado Gonzalez	22-Aug-17, 06:00	13.50	0.00	No	0.00		0.00	Yes	
Operator	George Quinones	22-Aug-17, 06:00	13.50	0.00	No	0.00		0.00	Yes	
Relief Operator	Eric Rudd	22-Aug-17, 06:00	13.50	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:   Bud Holman 970-301-3897



# ENSIGN WELL SERVICES

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



RIG/UNIT #: 356  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 4043195-SO1

DATE: 21-Aug-17, 06:00

Page: 1 of 1

<b>COMPANY</b>		
<b>PDC ENERGY, INC</b>	LOCATION: Guttersen 22-28 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	9.50	406.50	3,861.75
Rig Up	1.00	290.00	290.00
Crew Travel	2.00	220.00	440.00
Bird Bath Rental	1.00	35.00	35.00
Tubing Wiper Rubber	1.00	48.00	48.00
<b>CHARGES &amp; EXPENDABLES SUB-TOTAL</b>			<b>4,674.75</b>
<b>FIELD ESTIMATE (TAX NOT INCLUDED)</b>			<b>\$ 4,674.75</b>

<b>CUSTOMER STAMP</b>
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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: Sunny		WIND: Calm		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
21-Aug-17, 06:00	21-Aug-17, 18:30	12.50	Rig - Pick Up/Lay Down Tubular	Crew traveled to loc crew held safety meeting R/U R/U pump/tank check press 850/650/0 bleed down to work tank circ well 115bbl to load circ clean 2hrs N/D well head tree function test BOP test good N/U 3k flange BOP R/U work floor tubing equip unland well L/D 2'8" subs 216jnts seat nipple notch collar MIRU wireline run gauge ring to 6500' run in CIBP set at 6494' dump bail 2 sacs cement press test 1000 psi test good run in jet cutter cut 4 1/2 casing @ 820' R/D wireline Circ down casing return surface good circ crew cleaned loc crew traveled home
<b>TOTAL TIME: 12.50 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	Matthew McGraw	21-Aug-17, 06:00	12.50	0.00	No	0.00		0.00	Yes
Derrickhand	Oscar Arce	21-Aug-17, 06:00	12.50	0.00	No	0.00		0.00	Yes
Relief Operator	Sergio Ibuado Gonzalez	21-Aug-17, 06:00	12.50	0.00	No	0.00		0.00	Yes
Operator	George Quinones	21-Aug-17, 06:00	12.50	0.00	No	0.00		0.00	Yes
Relief Operator	Eric Rudd	21-Aug-17, 06:00	12.50	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>Bud Holman 970-301-3897</p>







## SERVICE ORDER CONTRACT

Customer: **PDC Energy, Inc.**

Ticket Number: **FL2229**

Lease & Well Number: **Guttersen 22-28**

Date: **8/22/2017**

### As consideration, The Above Named customer Agrees:

O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-TEX pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-TEX pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-TEX makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, except where due to O-TEX gross negligence or willful misconduct in the preparation or furnishing it.

O-TEX personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-TEX gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

**I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.**

**Customer Authorized Agent:** \_\_\_\_\_



# Job Summary

Ticket Number	Ticket Date
TN# FL2229	8/22/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-25362
WELL NAME	RIG	JOB TYPE
Guttersen 22-28	Ensign 356	Stub Plug/Surface Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SENW 28 - 3N - 63W	Scott, Derek	Bud Holman

EMPLOYEES		
Devine, Rich		
Phillips, James		

<b>WELL PROFILE</b>			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

### Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	14	765	820		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

### Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	765		
Production	4.5	10.5		820	935		
Tubing	2.375	4.7		0	935		

### CEMENT DATA

Stage 1:  
 Type: **Stub Plug**  
 From Depth (ft):  To Depth (ft):   
 Volume (sacks):  Volume (bbls):

#### Cement & Additives:

Take 2% CaCl2 on the side (470 lbs)	Density (ppg)	Yield (ft <sup>3</sup> /sk)	Water Req.
	15.8	1.15	5.00

### SUMMARY

Preflushes:	5 bbls of <input type="text" value="Fresh Water"/>	Calculated Displacement (bbl):	Stage 1	Stage 2
	<input type="text" value=""/>	Actual Displacement (bbl):	0.5	<input type="text" value=""/>
	<input type="text" value=""/>	Plug Bump (Y/N):	N/A	Bump Pressure (psi): N/A
Total Preflush/Spacer Volume (bbl):	5	Lost Returns (Y/N):	N	(if Y, when) <input type="text" value=""/>
Total Slurry Volume (bbl):	75			
Total Fluid Pumped	80.5			
Returns to Surface:	<input type="text" value="Cement"/> <input type="text" value="1"/> bbls			

Job Notes (fluids pumped / procedures / tools / etc.):

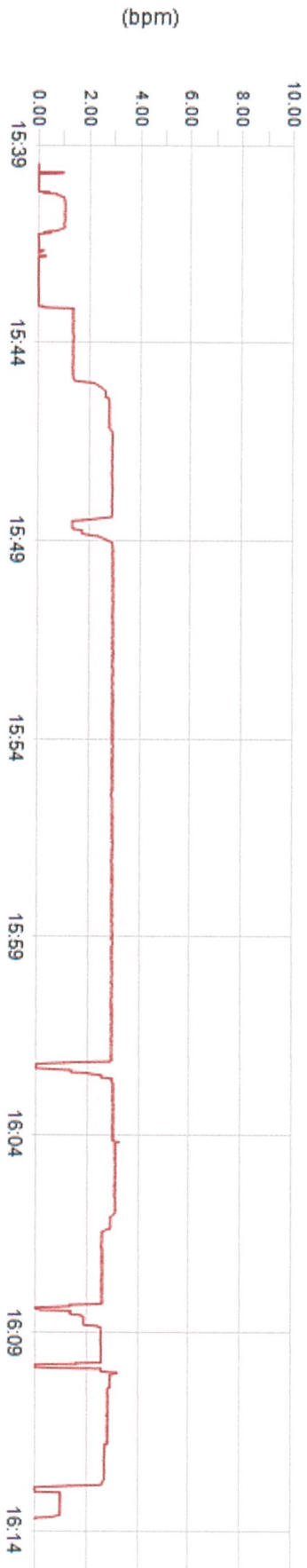
Pumped 360sx to bring cement to surface. Topped out with 5sx. All cement slurry was pre-hydrated with 2% calcium. Job went well.

**Thank You For Using**  
**O - TEX Pumping**

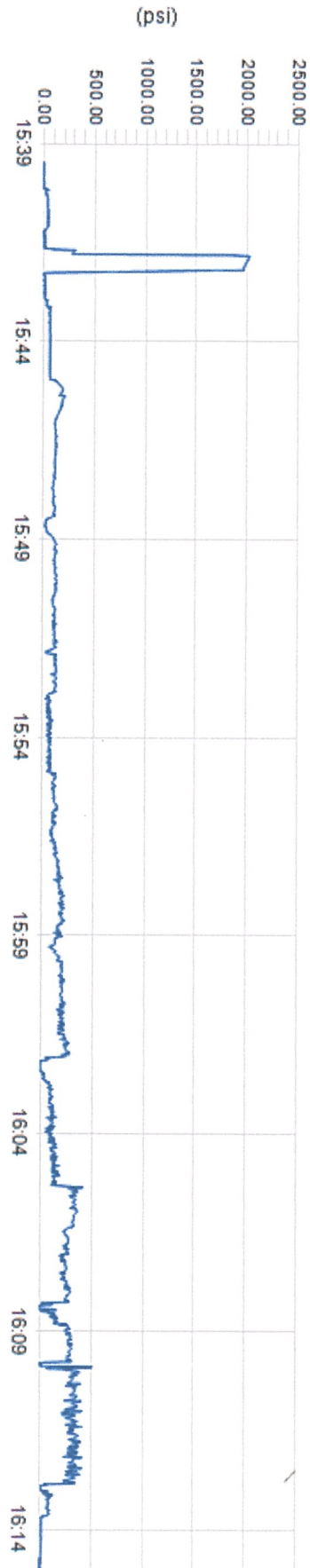
Customer Representative Signature: \_\_\_\_\_

Client	PDC Energy	Client Rep	Bud Holman	Supervisor	Derek Scott
Ticket No.	2229	Well Name	Guterson 22-28	Unit No.	740017
Location	SENNW 28 3N 63W	Job Type	Abandonment Plugs	Service District	Brighton, CO
Comments				Job Date	08/22/2017

Unit 740017 Rate Total



Unit 740017 Pump Pressure



Unit 740017 Density

