



# ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645

Telephone (970) 284-6006



RIG/UNIT #: 354  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 4111830-SO1

DATE: 19-Jul-17, 06:00

Page: 1 of 1

COMPANY											
PDC ENERGY, INC		LOCATION: CORNISH 12-10 (CO, Station: Lasalle)		PO:							
ATTENTION: ACCOUNTS PAYABLE				AFE:							
BRIDGEPORT, West Virginia, USA 26330											
CHARGES & EXPENDABLES				ROD & TUBING DETAILS							
NAME	QTY	UNIT PRICE	EXT. PRICE	ROD DETAILS							
Rig Hours	9.50	406.50	3,861.75								
Crew Travel	2.50	220.00	550.00								
Labor - Floor	12.00	55.00	660.00								
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								
CHARGES & EXPENDABLES SUB-TOTAL			5,194.75								
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 5,194.75								
CUSTOMER STAMP					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: Light		TEMP: 0 °F		H2S (%): 0.0
DETAILS OF OPERATIONS											
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS							
19-Jul-17, 06:00	19-Jul-17, 18:00	12.00	BOP - Nipple Up/Down - BOPE & Wellhead	Crew traveled to loc crew held safety meeting check press 400/500/0 bleed off to tank circ u well clean function test bop n/d tree top flange n/u bop rig out work floor tubing equip unl and 2 3/8 tubing hanger l/d 210 jnts 6' sub 2 3/8 eue r/u wireline run gauge ring run 4 1/2 cjb set at 6698' dump bail 2 sacks cement run in cjb set at 6459' dump bail 2 sacs cement r/d wiring press test plug/casing 1500 psi test good bleed off press p/u 19 jnts 2 3/8 tubing to 600' install TIW valve shut in well crew cleaned loc crew traveled home							
TOTAL TIME: 12.00 hours											
CREW DETAILS											
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE		
Relief Operator	Oscar Ruiz	19-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes		
Service Rig Manager	Omar Munoz	19-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes		
Operator	Ever Valverde	19-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes		
Floorhand	Esgar Galvan-Rodriguez	19-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes		
Derrickhand	Jose Luna Morales	19-Jul-17, 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:					
						ELOY COSSIO 970-744-9564					



# ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645

Telephone (970) 284-6006



RIG/UNIT #: 354  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 4111830-SO2

DATE: 20-Jul-17, 06:00

Page: 1 of 1

COMPANY			
PDC ENERGY, INC		LOCATION: CORNISH 12-10 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE			AFE:
BRIDGEPORT, West Virginia, USA 26330			

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	6.00	406.50	2,439.00
Rig Up	2.00	290.00	580.00
Crew Travel	4.00	220.00	880.00
Labor - Floor	12.00	55.00	660.00
Washington Circulating Head	1.00	120.00	120.00
Tubing Wiper Rubber	1.00	48.00	48.00
CHARGES & EXPENDABLES SUB-TOTAL			4,727.00
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,727.00

ROD & TUBING DETAILS			
ROD DETAILS			
PULLED	SIZE:	PLAIN:	SCRAPERS:
RAN	SIZE:	PLAIN:	PONYS:
NOTES:			
TUBING DETAILS			
PULLED	SIZE:	JOINTS:	TALLY:
RAN	SIZE:	JOINTS:	TALLY:
LANDED AT:			
NIPPLE AT:			
NOTES:			
PUMP DETAILS			
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
20-Jul-17, 06:00	20-Jul-17, 18:00	12.00	Rig - Pick Up/Lay Down Tubular	Crew traveled to loc crew held safety meeting check press 0/0/0 open to tank circ well down tubing return casing r/u cementers mix/pump 50 sacs class g cement 600' to surface r/d cementers l/d 19 jnts 2 3/8 tubing rig down floor tubing equip n/d bop 5k wellhead top off casing with cement installed 4 1/2 collar with 2 3/8 swedge to a 5k valve wash all equipment r/d rig rack pump and tank installed well fence cleaned loc move rig and equip to next loc remove well fence spot in rig/equip r/u rig r/u pump/tank shut in well crew cleaned loc crew traveled home
TOTAL TIME: 12.00 hours				

CREW DETAILS									
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE
Relief Operator	Oscar Ruiz	20-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Service Rig Manager	Omar Munoz	20-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	20-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Esgar Galvan-Rodriguez	20-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Jose Luna Morales	20-Jul-17, 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:   ELOY COSSIO 970-744-9564





## SERVICE ORDER CONTRACT

Customer: **PDC Energy, Inc.**

Ticket Number: **FL2076**

Lease & Well Number: **Cornish 12-10**

Date: **7/20/2017**

### 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: \_\_\_\_\_





[illegible]



## EQUIPMENT SHEET

Date: 7/20/2017

Job Site Leader: Doran, Ben

Max Pressure: \_\_\_\_\_ PSI

Company - Lease - Well #: PDC Energy, Inc.  
Cornish 12-10

Ticket #: FL2076

Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Location	Company Name
---------------------------------------	--------------------	----------------	-------------------	----------	-----------------

1	Doran, Ben		201017 1 TON		
2					
3	Davila, Isreal		740017		
4					
5	Peterson, Ryan		746502		
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Job Safety Leader: \_\_\_\_\_

**Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immediately.**





# Job Summary

Ticket Number

TN#

FL2076

Ticket Date

7/20/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-24388
WELL NAME	RIG	JOB TYPE
Cornish 12-10	Ensign 354	Surface Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SWNW 10 6N 63W	Doran, Ben	Eloy Cossio
EMPLOYEES		
Davila, Isreal		
Peterson, Ryan		
WELL PROFILE		
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)
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)
Tubing	2.375	4.7	J-55	0	600		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	11.6		0	600		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

## CEMENT DATA

Stage 1: From Depth (ft): 0 To Depth (ft): 600  
Type: Plug  
Volume (sacks): 60 Volume (bbls): 12.2

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G	15.8	1.15	5.00

## SUMMARY

Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):		
	bbls of			
Total Preflush/Spacer Volume (bbl):	5	Plug Bump (Y/N):	Bump Pressure (psi):	
Total Slurry Volume (bbl):	12.2	Lost Returns (Y/N):	(if Y, when)	
Total Fluid Pumped	17.2			
Returns to Surface:	0.5	bbls		

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

Thank You For Using

O - TEX Pumping

Customer Representative Signature:



## 1972

Fax: 970.284.6682

12-10

1

1

1

1

Date: 7/25/17