



# 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: 4111758-SO1

DATE: 17-Jul-17, 06:00

Page: 1 of 1

COMPANY			
PDC ENERGY, INC		LOCATION: CORNISH 11-10 (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	1.00	290.00	290.00
Crew Travel	3.50	220.00	770.00
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
CHARGES & EXPENDABLES SUB-TOTAL			4,851.75
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,851.75

ROD & TUBING DETAILS			
ROD DETAILS			
PULLED	SIZE:	PLAIN:	SCRAPERS: PONYS:
RAN	SIZE:	PLAIN:	SCRAPERS: 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: Partly Cloudy		WIND: Calm		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
17-Jul-17, 06:00	17-Jul-17, 18:00	12.00	BOP - Nipple Up/Down - BOPE & Wellhead	Crew traveled to loc crew held safety meeting r/u r/u pump and tank check press 400/1000/0 bleed off to tank circu well clean n/d well head tree top flange n/u bop r/u work floor tubing equip l/d 8' sub 10' sub 217 jnts r/u wireline run gauge ring run cibp set at 6701' dump bail 2 sacs cement run in cibp set at 6414' dump bail 2 sacs cement r/d wireline press test plug/casing 1500 psi test good bleed off to tank shut in well crew clean 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	17-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Service Rig Manager	Omar Munoz	17-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	17-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Esgar Galvan-Rodriguez	17-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Jose Luna Morales	17-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	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: 4111758-SO2

DATE: 18-Jul-17, 06:00

Page: 1 of 1

COMPANY			
<b>PDC ENERGY, INC</b>		LOCATION: CORNISH 11-10 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE			AFE:
BRIDGEPORT, West Virginia, USA 26330			

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	6.50	406.50	2,642.25
Rig Up	2.00	290.00	580.00
Crew Travel	3.50	220.00	770.00
Labor - Floor	12.00	55.00	660.00
Bird Bath Rental	1.00	35.00	35.00
Washington Circulating Head	1.00	120.00	120.00
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
CHARGES & EXPENDABLES SUB-TOTAL			4,895.25
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,895.25

ROD & TUBING DETAILS			
ROD DETAILS			
PULLED	SIZE:	PLAIN:	SCRAPERS: PONYS:
RAN	SIZE:	PLAIN:	SCRAPERS: 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
18-Jul-17, 06:00	18-Jul-17, 18:00	12.00	Rig - Pick Up/Lay Down Tubular	crew traveled to loc crew held safety meeting p/u 19 jnts 2 3/8 eue r/u Kelly circu well r/u cementers mix an pump 50 sacks class g cement to surface r/d cementers l/d 19 jnts 2 3/8 tubing r/d work floor tubing equip n/d bop 5k wellhead top off casing with cement installed 4 1/2 collar swedge to 2 3/8 5k valve wash equip r/d rig rack up pump/tank clean loc move rig/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
Service Rig Manager	Omar Munoz	18-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Relief Operator	Oscar Ruiz	18-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Jose Luna Morales	18-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	18-Jul-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Esgar Galvan-Rodriguez	18-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: **FL2062**

Lease & Well Number: **Cornish 11-10**

Date: **7/18/2017**

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



### Surface Plug

Doran Ben

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445047

Customer Authorized Agent:





# Job Summary

Ticket Number

TN#

FL2062

Ticket Date

7/18/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-24385
WELL NAME	RIG	JOB TYPE
Cornish 11-10	Ensign 354	Surface Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NWNW 10 - 6N - 63W	Doran, Ben	Eloy Cossio

**EMPLOYEES**

Vieaux, Jon		
Peterson, Roger		
	Watkins, Robert	

**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):	50	Volume (bbls):	10.2

Cement & Additives:	Density (ppg)	Yield (ft <sup>3</sup> /sk)	Water Req.
100% Class G	15.8	1.15	5.00

**SUMMARY**

	Stage 1	Stage 2
Preflushes: 5 bbls of Fresh Water		
Calculated Displacement (bbl):		
Actual Displacement (bbl):		
Total Preflush/Spacer Volume (bbl): 5	Plug Bump (Y/N):	Bump Pressure (psi):
Total Slurry Volume (bbl): 10.2	Lost Returns (Y/N):	(if Y, when)
Total Fluid Pumped: 15.2		
Returns to Surface:	Cement	0.5 bbls

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

Thank You For Using

O - TEX Pumping

Customer Representative Signature:



## EQUIPMENT SHEET

Date: 7/18/2017

Job Site Leader: Doran, Ben

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

Company - Lease - Well #: PDC Energy, Inc.  
Cornish 11-10

Ticket #: FL2062

Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Location	Company Name
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1	Doran, Ben		201017 1 TON		
2					
3	Vieaux, Jon		745047	445047	
4					
5	Peterson, Roger		746508		
6	Watkins, Robert				
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.*



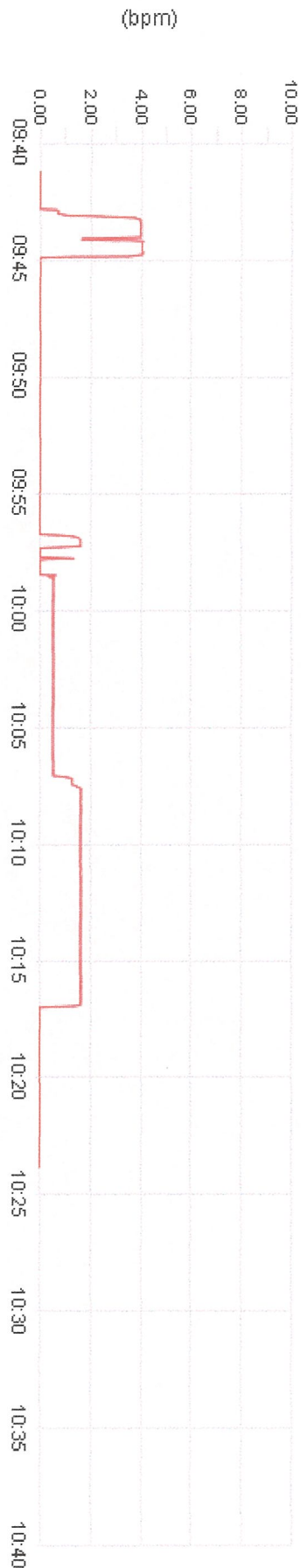
Client  
Ticket No. 2062  
Location  
Comments

Client Rep  
Well Name  
Job Type  
Abandonment Plugs

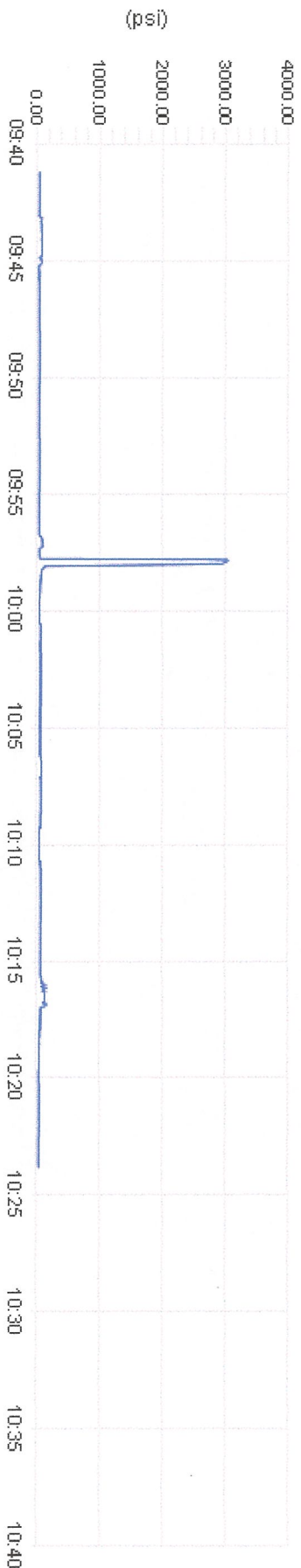
Supervisor  
Unit No. 445047  
Service District  
Job Date 07/18/2017

Ben Doran

Unit 445047 Rate Total



Unit 445047 Pump Pressure



Unit 445047 Density

