



ENSIGN WELL SERVICES

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



RIG/UNIT #: 354
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 4260162-SO1

DATE: 30-Oct-17, 06:00

Page: 1 of 1

COMPANY			
PDC ENERGY, INC		LOCATION: DILLARD 42-20 (CO, Station: Lasalle)	
ATTENTION: ACCOUNTS PAYABLE		PO:	
BRIDGEPORT, West Virginia, USA 26330		AFE:	

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
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
CHARGES & EXPENDABLES SUB-TOTAL			5,154.75
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 5,154.75

ROD & TUBING 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: Cloudy		WIND: Light		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
30-Oct-17, 06:00	30-Oct-17, 18:00	12.00	Rig - Pick Up/Lay Down Tubular	CREW TRAVEL TO LOC. HELD SAFETY METING .FUCTION TEST BOP .CHECKED PRESS. 150/150 0/SURF CNG . BLEED OFF PRESS. CIRCU WELL CLEAN .N/D WELL TREE .MASTER VALVE AND 5K WELL HEAD TOP FLANGE .N/U BOP .R/U W/FLOOR TBG EQUIP .UNLAND TBG .STAND BACK 22 JTS .L/D 198 JTS S/N N/C AND 10' 8' 6' SUBS .R/U WIRE LINE .RIH WITH GAUGE RING .RIH W/1ST CIBP .SET BP AT 7085' .TOP BAIL WITH 2 SKS OF CEMENT .RIH WITH 2ND CIBP .SET BP AT 6805' TOP BAIL WITH 2 SKS OF CEMENT .PRESS TEST 4 1/2 CNG .AT 2000 PSI .TEST OK .BLEED OFF PRESS .LOG FROM 800' TO SURF .TIH WITH CNG CUTTER .CUT CNG AT 620 FT .R/D WIRE LINE .R/D W/FLOOR TBG EQUIP .N/D BOP AND 5 K WELL HEAD .UNLAND CNG .N/U SPOOL AND BOP .R/U W/FLOOR CHANGE TBG EQUIP TO 4 1/2 SHUT WELL .DRAIN PUMP LINES .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 Jr	30-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Service Rig Manager	Omar Munoz	30-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	30-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Jeffrey Garcia	30-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Jose Luna Morales	30-Oct-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: CHAD SAILORS 970-373-6243



ENSIGN WELL SERVICES

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



RIG/UNIT #: 354
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 4260162-SO2

DATE: 31-Oct-17, 06:00

Page: 1 of 1

COMPANY			
PDC ENERGY, INC		LOCATION: DILLARD 42-20 (CO, Station: Lasalle)	
ATTENTION: ACCOUNTS PAYABLE		PO:	
BRIDGEPORT, West Virginia, USA 26330		AFE:	

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	5.50	406.50	2,235.75
Rig Up	2.00	290.00	580.00
Crew Travel	4.50	220.00	990.00
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			4,708.75
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,708.75

ROD & TUBING 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)
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
31-Oct-17, 06:00	31-Oct-17, 18:00	12.00	Rig - Pick Up/Lay Down Tubular	CREW TRAVEL TO LOC. HELD SAFETY METING .CHECKED PRESS .0/CNG .L/D 15 JTS OF 4 1/2 CNG .CHANGE TBG EQUIP TO 2 3/8 .TIH WITH 22 JTS S/N AND MULE SHOE .R/U KELLY .CIRCU WELL DOWN TBG TO MUD TANK .R/U CEMENTING COMPANY .MIX AND PUMP 257 SKS OF CEMENT DOWN TBG .L/D 22 JTS AND MULE SHOE TOP OFF SURF CNG .R/D CEMENTERS .R/D W/FLOOR TBG EQUIP .N/D BOP AND SPOOL .PUT CAP ON SURF CNG .RIG DOWN .RACK PUMP TANK .CLEAN LOC. ROAD RIG TO DILLARD 32-20 .SPOT IN EQUIP .RIG UP .R/U PUMP TANK .CLEAN LOC .CREW TRAVEL 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 Jr	31-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Service Rig Manager	Omar Munoz	31-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	31-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Jeffrey Garcia	31-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Jose Luna Morales	31-Oct-17, 06:00	12.00	0.00	No	0.00		0.00	Yes

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	OPERATOR'S REP. 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.	
CHAD SAILORS 970-373-6243	



PDC Energy

Prepared For
Chad Sailors

API Number: 05-123-23606

Dillard 42-20

Stub Plug Cement

Located in

Weld County, Colorado

SENE 20-7N-64W

Prepared by
Paul Novotny

on

Friday, October 27, 2017

Serviced from the Brighton, Colorado facility
For Customer Service Call
720-408-9201



PDC Energy
Dillard 42-20
Stub Plug
10/27/2017

Rig: Ensign 354

O-Tex
Pumping, LLC

Job Data

Job Type	Stub Plug
Round Trip Mileage	100
Previous Casing	8.625" 24# to 531' 4.5" 10.5# to 670'
Hole Size	14" to 620'
MD	670
Directions	CR 53 and CR 80, South 5/10, W 1/10, North into.

Volumes

	Length (ft)	OD (in)	ID (in)	Excess (%)	CF/FT	Vol. (cf)	Vol. (bbl)
Stub Plug	531	8.097	0.000	0%	0.3576	189.9	33.8
Stub Plug	89	14.000	0.000	0%	1.0690	95.1	16.9
Stub Plug	50	4.052	0.000	0%	0.0895	4.5	0.8

Fluid Requirements

Spacer

5 bbls Fresh Water

Stub Plug

100% Class G

Volume (sx)	300
Weight (ppg)	15.80
Yield (cf/sx)	1.15
Water (gps)	5.00
Top of Cement (ft)	0
Excess (%)	0%



REF. #	DESCRIPTION	QUANTITY
CM006	O-TEX Ultra Premium Cement (94lbs/ft3)	300
CT001	Pump Charge 0-1000'	1
JM001	Data Acquisition System	1
AE014	Environmental Fee*	1
ML001	Pickup Mileage	50
ML002	Pump Truck/Heavy Vehicle Mileage	50
ML003	Bulk Cement Delivery/Return	705
MX001	Bulk Material Mixing Service Charge	300
If Needed Items -Not included		
CC015	Pump Charge Additional Hours	1
AE012	Bulk Unit Additional Hours	1
CP031	Sugar	100
CP009	CF-41 (Foam Preventer)	1



Service Location: Brighton, Colorado 303-857-7948
Service Address: 821 County Road 27, Brighton, CO 80603

FIELD RECEIPT

TN # FL2522

Service Date:	10/31/2017	Well Name:		Job Type:	Stub Plug
Customer:	PDC Energy, Inc.				
Address:	PO Box 26	County:			
City:	Attn: Accounts Payable	State:		Service Supervisor:	Klosterman, Austin
St:	Bridgeport	API #			
Customer Rep:	WV 26330	AFE #		Pump #1	445070
	Chad Sailors			Pump #2	

REF #	Description	unit of measure	quan
CM006	O-Tex Ultra Premium Cement (94lbs/ft3)	94SACK	272
CT001	Pump Charge 0-1000'	4-HRS	1
JM001	Data Acquisition System	JOB	1
AE014	Environmental Fee*	JOB	1
ML001	Pickup Mileage	UNTMIL	50
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	50
ML003	Bulk Cement Delivery/Return	MILE	705
MX001	Bulk Material Mixing Service Charge	SCF	300
CP009	CF-41 (Foam Preventer)	GAL	2

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

Customer Authorized Agent: _____



SERVICE ORDER CONTRACT

Customer: **PDC Energy, Inc.**

Ticket Number: **FL2522**

Lease & Well Number: **Dillard 42-20**

Date: **10/31/2017**

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: _____

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-23606
WELL NAME	RIG	JOB TYPE
Dillard 42-20	Ensign 354	Stub Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SENE 20-7N-64W	Klosterman, Austin	Chad Sailors

EMPLOYEES

<i>Collin, Justin</i>	<i>Scott, Derek</i>
<i>Cadena, Darius</i>	

WELL PROFILE

Max Treating Pressure (psi):	750	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	620	531		
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	J-55	531	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5	P-110	677	620		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		677	0		

CEMENT DATA

Stage 1:	From Depth (ft):	677	To Depth (ft):	0
Type: Stub Plug	Volume (sacks):	257	Volume (bbls):	52.5

Cement & Additives:

100% Class G

Density (ppg)

15.8

Yield (ft³/sk)

1.15

Water Req.

5.00

SUMMARY

		Stage 1	Stage 2
Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	
	bbls of	Actual Displacement (bbl):	
	bbls of		
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):	n/a
Total Slurry Volume (bbl):	52.5	Lost Returns (Y/N):	N (if Y, when)
Total Fluid Pumped	62.5	Bump Pressure (psi):	n/a
Returns to Surface:	Cement		
	3 bbls		

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

Job went according to program and customer's request. Job went well. 52.5bbls @15.8ppg (Yield 1.15) to receive cement returns and top off well. Additional 3bbls mixed still on truck pumped to rig tank.

Thank You For Using

O - TEX Pumping

Customer Representative Signature: _____

[illegible]



Client
Ticket No. 2522
Location Sec20:T7N:R64W
Comments See job log.

Client Rep
Well Name Dillard 42-20
Job Type Abandonment Plugs

Supervisor
Unit No. 445046
Service District Brighton, CO
Job Date 10/31/2017

