



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: 4569340-SO2

DATE: 25-Jul-18, 06:00

Page: 1 of 1

COMPANY		
PDC ENERGY, INC	LOCATION: GUTTERSEN 23-33 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	8.50	406.50	3,455.25
Rig Up	2.00	290.00	580.00
Crew Travel	2.00	193.60	387.20
Bird Bath Rental	1.00	30.80	30.80
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			4,661.25
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,661.25

CUSTOMER STAMP

ROD & TUBING DETAILS					
ROD DETAILS					
<input type="checkbox"/> PULLED	SIZE:	PLAIN:	SCRAPERS: PONYS:		
<input type="checkbox"/> RAN	SIZE:	PLAIN:	SCRAPERS: PONYS:		
NOTES:					
TUBING DETAILS					
<input type="checkbox"/> PULLED	SIZE:	JOINTS:	TALLY:		
<input type="checkbox"/> 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
25-Jul-18, 06:00	25-Jul-18, 18:30	12.50	WO - Cementing	CREW TRAVEL TO LOC. HELD SAFETY METING. CHECKED PRESS 0/0. P/U 3 JTS. R/U WASHI HEAD RUBBER. R/U CIRCULATING EQUIP. CIRCULATE CLEAN WITH 59 JTS IN HOLE FOR 2 HRS. R/U CEMENTERS. MIX AND PUMP DOWN TBG 25 SKS OF 15.8# CL G. CEMENT. R/D CEMENTERS. STOOD BACK 23 STANDS ON DERRICK. L/D 13 JTS. WAIT 2 HRS TIH WITH 47 JTS. TAGGED CEMENT WITH 47 JTS 15' OUT @ 1430'. L/D 16 JTS. 30 JTS IN HOLE. R/U CEMENTERS. MIX AND PUMP 67 SKS OF CL G 15.8 # CEMENT DOWN TBG CEMENT CIRCULATE TO SURF. R/D CEMENTERS L/D 30 JTS. R/D W/FLOOR TBG EQUIP. N/D BOP AND 3K WELL HEAD. TOP OFF 4 1/2 CNG WITH 6 SKS OF CEMENT. CAPPED CNG. WASH EQUIP. RIG DOWN. RACK PUMP/TANK. CLEANED LOC. ROAD RIG TO GUTTERSEN 24-33. SPOT IN EQUIP. RIG UP. R/U PUMP/TANK. CLEANED LOC. CREW TRAVEL HOME.
TOTAL TIME: 12.50 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	25-Jul-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Operator	George Quinones	25-Jul-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Relief Operator	Sergio Ibaudo Gonzalez	25-Jul-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Floorhand	Amadeo Sanchez	25-Jul-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Derrickhand	Gonzalo Chavez	25-Jul-18, 06:00	12.50	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: 4569340-SO1

DATE: 24-Jul-18, 06:00

Page: 1 of 1

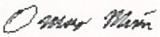

COMPANY		
PDC ENERGY, INC	LOCATION: GUTTERSEN 23-33 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	10.50	406.50	4,268.25
Crew Travel	2.00	193.60	387.20
Bird Bath Rental	1.00	30.80	30.80
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
CHARGES & EXPENDABLES SUB-TOTAL			4,774.25
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,774.25
CUSTOMER STAMP			

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
24-Jul-18, 06:00	24-Jul-18, 18:30	12.50	Rig - Pick Up/Lay Down Tubular	CREW TRAVEL TO LOC. HELD SAFETY METING .FUCHION TEST BOP .CHECKED PRESS .650/650 .BLEW OFF PRESS .PUMP 40/80 BBLS .COUNLT CIRCULATE .N/D PRODUCTION TREE MASTER VALVE AND 3K WELL HEAD TOP FLANGE .N/U BOP .R/U W/FLOOR TBG EQUIP .UNLAD 2 3/8 4.7# .L/D 3 8' SUBS .STOOD BACK ON DERRICK 56 JTS .L/D 177 JTS S/N N/C .R/U WIRE LINE .RIH WITH GAUGE RING .RIH WITH CIBP .SET 1ST BP @ 7186' .DUMP BAIL 2 SKS OF CEMENT .RIH WITH 2ND CIBP .SET BP @ 6420 .DUMP BAIL 2 SKS OF CEMENT .R/D WIRE LINE .LOADED HOLE .PRESS TEST 4 1/2 CNG/PLUGS @ 1000 PSI .HELD .BLEED OFF PRESS .TIH WITH 56 JTS S/N .SECURE WELL .CLEANED LOC .CREW TRAVEL HOME .
TOTAL TIME: 12.50 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	24-Jul-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Operator	George Quinones	24-Jul-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Relief Operator	Sergio Ibuado Gonzalez	24-Jul-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Floorhand	Amadeo Sanchez	24-Jul-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Derrickhand	Raul Casaus	24-Jul-18, 06:00	12.50	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



Job Summary

Ticket Number
TN# FL4273

Ticket Date
7/25/2018

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-25359
WELL NAME	RIG	JOB TYPE
Guttersen 23-33	Ensign 356	Balanced Plugs
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NE/SW Sec. 33-3N-63W	Scott, Derek	Bud Holman

EMPLOYEES
Field, Tony
Peterson, Roger

WELL PROFILE			
Max Treating Pressure (psi):	700	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		0	1800		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5		0	1800		
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):	1442	To Depth (ft):	1814
Type: Plug 1	Volume (sacks):	25	Volume (bbls):	5.9
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Type III		14.8	1.33	6.32

Stage 2:	From Depth (ft):	0	To Depth (ft):	923
Type: Plug 2	Volume (sacks):	67	Volume (bbls):	15.8
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Type III		14.8	1.33	6.32

Stage 3:	From Depth (ft):	0	To Depth (ft):	0
Type:	Volume (sacks):	6	Volume (bbls):	1.5
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Type III		14.8	1.33	6.32

SUMMARY

Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	5.4	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	5.4		
	bbls of				
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	23.2	Lost Returns (Y/N):	N (if Y, when)		
Total Fluid Pumped	38.6				
Returns to Surface:	Cement 1 bbls				

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

Tagged first plug @ 1430'. Job went well.

Thank You For Using
O-TEX Cementing

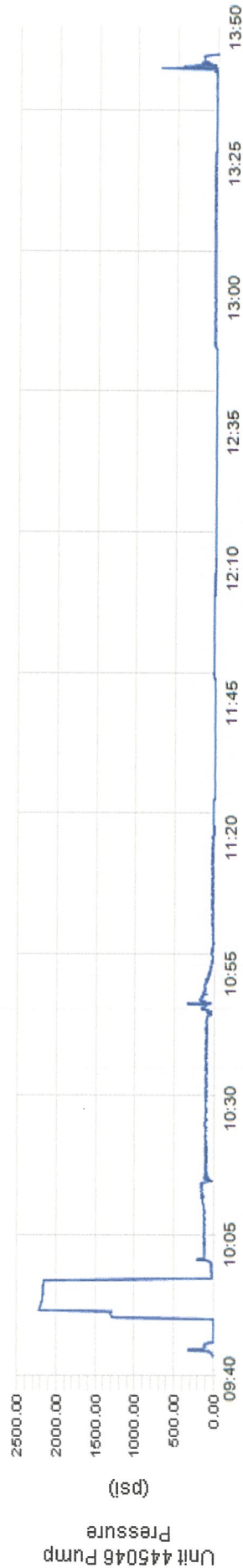
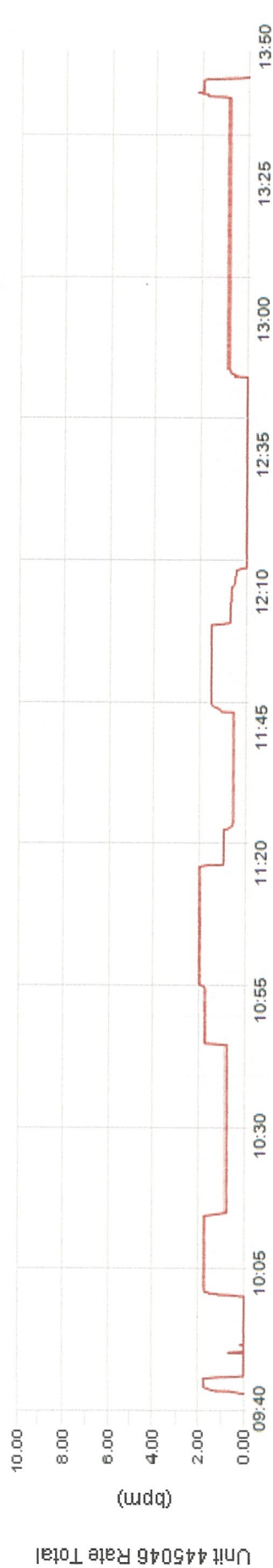
Customer Representative Signature:

[illegible]

Client PDC Energy
 Ticket No. 4273
 Location NESW 33-3N-63W
 Comments See Job Log

Client Rep Bud Holman
 Well Name Gutterson 23-33
 Job Type Abandonment Plugs

Supervisor Derek Scott
 Unit No. 740017
 Service District Brighton, CO
 Job Date 07/25/2018





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

FIELD RECEIPT

TN # FL4273

Service Date:	7/25/2018
Customer:	PDC Energy, Inc.
Address:	PO Box 26
City:	Attn: Accounts Payable
St:	Bridgeport
Customer Rep:	WV 26330
	Bud Holman

Well Name:	Guttersen 23-33
County:	Weld
State:	CO
API #	05-123-25359
AFE #	
Job Type:	Balanced Plugs
Service Supervisor:	Scott, Derek
Pump #1	740017
Pump #2	

REF #	Description	unit of measure	unit price	quan
CP001	Type III Cement	94SACK	\$ 37.70	98
CT002	Pump Charge 0-2000'	4-HRS	\$ 3,234.33	1
JM001	Data Acquisition System	JOB	\$ 1,437.48	1
AE014	Environmental Fee*	JOB	\$ 228.69	1
ML001	Pickup Mileage	UNTMIL	\$ 4.26	35
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	\$ 7.32	35
ML003	Bulk Cement Delivery/Return	MILE	\$ 2.95	165
MX001	Bulk Material Mixing Service Charge	SCF	\$ 3.27	100

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

Customer Authorized Agent: _____

DISCLAIMER OF LIABILITY: With respect to this report, neither C&J Energy Services nor any of their employees, express or implied, including the warranties of merchantability and fitness for a particular purpose, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.

39661

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

Bill To Customer:	PDC	PO#	Lease Name	GUTTERSEN	Well #:	23-33
Address:	3801 Carson Ave		County:	Weld	St:	CO
City:	Evans	Field:	Job Type:	P&A	Rig:	356 ENSIGN
State:	CO	Directions:	Casing Sz & Wt:	4-1/2 #10.5		
Ordered By:	BUD HOLMAN		Service Man	ABEL ALVAREZ		
				HWY 76		

[illegible]

Red 12/10

Authorized Agent:

RMOR Employee:

[illegible]