



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: 4339489-SO2

DATE: 27-Feb-18, 06:00

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COMPANY			
PDC ENERGY, INC		LOCATION: HICKS 32-29 (CO, Station: Lasalle)	
ATTENTION: ACCOUNTS PAYABLE		PO:	
BRIDGEPORT, West Virginia, USA 26330		AFE:	

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	6.00	406.50	2,439.00
Rig Up	5.00	290.00	1,450.00
Crew Travel	1.50	193.60	290.40
Labor - Floor	12.50	55.00	687.50
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			5,105.70
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 5,105.70

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

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
27-Feb-18, 06:00	27-Feb-18, 18:30	12.50	BOP - Nipple Up/Down - BOPE & Wellhead	CREW TRAVELED TO LOC. HELD SAFETY METING .CHECKED PRESS 0/CNG .R/D W/FLOOR TBG EQUIP .N/D BOP AND 5K WELL HEAD .UNLAND 4 1/2 CNG .N/U CEMENT FLANGES .AND BOP .R/U W/FLOOR L/D 18 JTS OF 4 1/2 CNG .CHANGE TBG EQUIP FROM 4 1/2 TO 2 3/8 P/U 16 JTS OF 2 3/8 TBG AND MULE SHOE R/U CIRCU EQUIP .AND WASHI HEAD .CIRCU DOWN TBG UP SURF CNG TO MUD TANK .R/U CEMENTERS .MIX AND PUMP 318 SKS OF 15.8# CL G CEMENT DOWN TBG .CEMENT CIRCULATE TO SURF .R/D CEMENTERS .L/D 26 JTS AND MULE SHOE .R/D W/FLOOR TBG EQUIP .N/D BOP AND CEMENT FLANGES .TOP OFF .SURF CNG WITH 7 SKS OF CEMENT .PUT CAP ON SURF CNG .RIG DOWN .RACKED PUMP/TANK .CLEANED LOC .ROAD RIG TO HICK 31-29 .SPOTIN EQUIP .RIG UP .R/U PUMP TANK .DRAIN PUMP .CLEANED LOC .CREW TRAVELED 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
Relief Operator	Sergio Ibuado Gonzalez	27-Feb-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Service Rig Manager	Omar Munoz	27-Feb-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Operator	George Corral	27-Feb-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Operator	George Quinones	27-Feb-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Floorhand	Jesus Madrigal Zambrano	27-Feb-18, 06:00	12.50	0.00	No	0.00		0.00	Yes
Derrickhand	Oscar Arce	27-Feb-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: 4339489-SO1

DATE: 26-Feb-18, 06:00

Page: 1 of 1

COMPANY			
PDC ENERGY, INC		LOCATION: HICKS 32-29 (CO, Station: Lasalle)	
ATTENTION: ACCOUNTS PAYABLE		PO:	
BRIDGEPORT, West Virginia, USA 26330		AFE:	

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	10.50	406.50	4,268.25
Rig Up	1.00	290.00	290.00
Crew Travel	2.00	193.60	387.20
Labor - Floor	13.50	55.00	742.50
Bird Bath Rental	1.00	30.80	30.80
Tubing Wiper Rubber	1.00	48.00	48.00
CHARGES & EXPENDABLES SUB-TOTAL			5,766.75
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 5,766.75

ROD & TUBING DETAILS			
ROD DETAILS			
PULLED	SIZE:	PLAIN:	SCRAPERS:
RAN	SIZE:	PLAIN:	SCRAPERS:
NOTES:			
TUBING DETAILS			
PULLED	SIZE:	JOINTS:	TALLY:
RAN	SIZE:	JOINTS:	TALLY:
LANDED AT:		NIPPLE AT:	
NOTES:			
PUMP DETAILS			
SIZE:		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: Sunny		WIND: Calm		TEMP: 0 °F	
				H2S (%): 0.0	

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
26-Feb-18, 06:00	26-Feb-18, 19:30	13.50	Rig - RU/RD Work Floor Tbg Equip.	CREW TRAVEL TO LOC. HELD SAFETY METING. START EQUIP. ROAD RIG TO HICKS 32-29. HELD SAFETY METING. REMOVED FENCE. SPOTIN EQUIP. RIG UP. R/U PUMP/TANK. FUCTION TEST BOP. CHECKED PRESS. 700/700 0 SURF CNG. BLEED OFF PRESS. CIRCU WELL CLEAN. N/D WELL TREE MASTER VALVE AND 5K TOP FLANGE. N/U BOP. R/U W/FLOOR TBG EQUIP. UNLAND TBG. TOOH L/D 2 3/8 J-55 TBG ON FLOAT WITH 226 JTS S/N N/C. R/U WIRE LINE. TIH W/GAUGE RING. TIH IN WITH 1ST CIBP. SET BP AT 7294' DUMP BAIL 2 SKS OF 15.8#CL G CEMENT. TIH WITH 2ND CIBP. SET BP AT 6956'. DUMP BAIL 2 SKS OF 15.8# CL G CEMENT. PRESS TEST CNG/BP @ 1100 PSI. GOOD TEST. BLEED OFF PRESS. TIH WITH CNG CUTTER. CUT 4 1/2 CNG AT 750'. R/D WIRE LINE. R/U 4 1/2 EQUIP. SHUT WELL. DRAIN PUMP LINES. CLEANED LOC. CREW TRAVELED HOME.
TOTAL TIME: 13.50 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	26-Feb-18, 06:00	13.50	0.00	No	0.00		0.00	Yes
Operator	George Quinones	26-Feb-18, 06:00	13.50	0.00	No	0.00		0.00	Yes
Derrickhand	Oscar Arce	26-Feb-18, 06:00	13.50	0.00	No	0.00		0.00	Yes
Relief Operator	Sergio Ibaudo Gonzalez	26-Feb-18, 06:00	13.50	0.00	No	0.00		0.00	Yes
Floorhand	Jesus Madrigal Zambrano	26-Feb-18, 06:00	13.50	0.00	No	0.00		0.00	Yes
Operator	George Corral	26-Feb-18, 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

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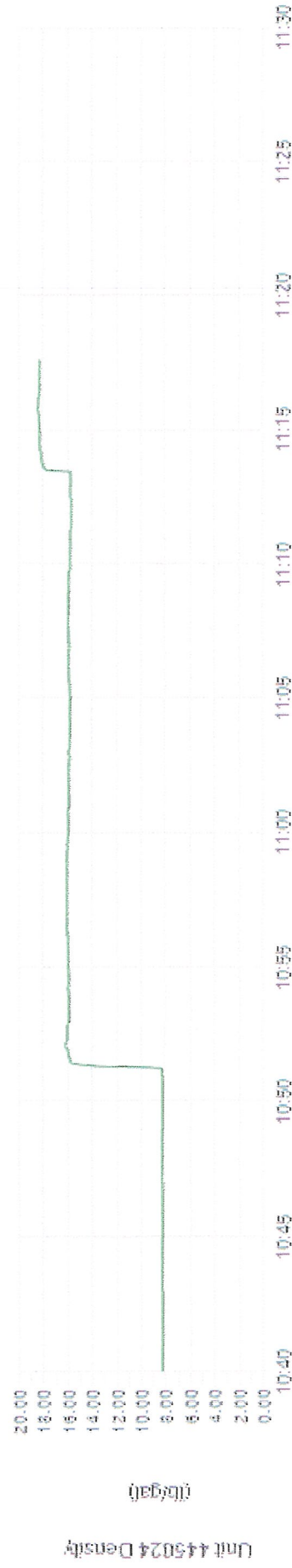
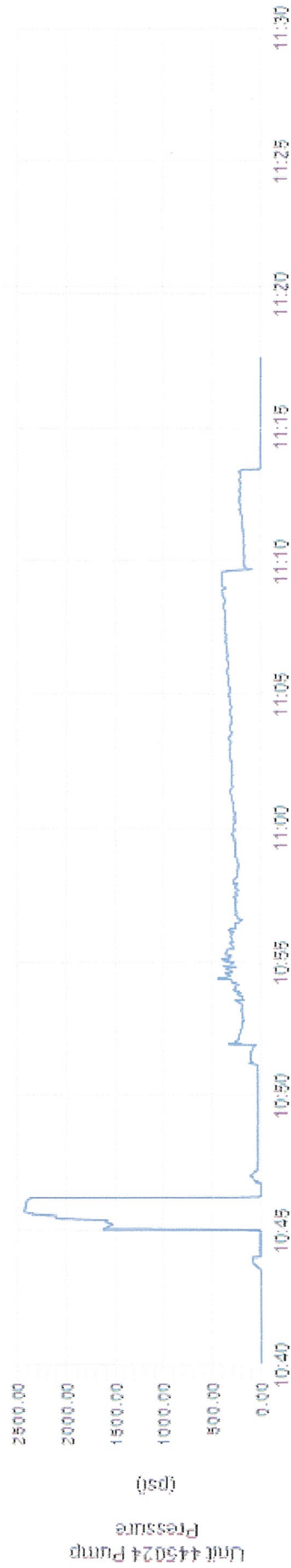


Client
Ticket No. 3168
Location SEC 29-4N-67W
Comments SEE JOB LOG.

PDC
Client Rep
Well Name HICKS 32-29
Job Type Abandonment Plugs

Supervisor
Unit No. 445024
Service District BRIGHTON, CO
Job Date 02/27/2018

JUSTIN COLLIN
445024
BRIGHTON, CO
02/27/2018





Job Summary

Ticket Number	Ticket Date
TN# FL3168	2/27/2018

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-20277
WELL NAME	RIG	JOB TYPE
Hicks 32-29	Ensign 356	Plugs
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
Sec 29 - 4 N - 67 W	Collin, Justin	Bud Holman

EMPLOYEES
Field, Tony
Peterson, Ryan
Clark, John

WELL PROFILE			
Max Treating Pressure (psi):	1000	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)
	10	395	750	395	750
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	395		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5		750	852		
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	852		

CEMENT DATA

Stage 1:	From Depth (ft):	80	To Depth (ft):	852
Type: Slurry 1	Volume (sacks):	300	Volume (bbls):	61.9
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G+2% CaCl2		15.8	1.16	5.00

Stage 2:	From Depth (ft):	0	To Depth (ft):	80
Type: Slurry 2	Volume (sacks):	25	Volume (bbls):	5.1
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):	N/A	Bump Pressure (psi):
Total Slurry Volume (bbl):	67	Lost Returns (Y/N):	N (if Y, when)	
Total Fluid Pumped	72			
Returns to Surface:	Cement 1 bbls			

Job Notes (fluids pumped / procedures / tools / etc.): Filled lines with 1bbl of fresh water, Pressure tested pump and lines at 2530psi. Pumped 5bbls of fresh water at 1bbl/min until we broke circulation. Batched up 15.8ppg +2%CaCl2 cement at 10:51AM. Pumped 300sx/61.9bbls of 15.8ppg+2%CaCl2 cement. Pumped 25sx/5.1bbls of 15.8ppg G cement. Topped off with 1.4bbls of 15.8ppg G cement. Job went according to program and customer's request. Job went well

Customer Representative Signature: _____

Thank You For Using
O-TEX Cementing



SERVICE ORDER CONTRACT

Customer: **PDC Energy, Inc.**

Ticket Number: **FL3168**

Lease & Well Number: **Hicks 32-29**

Date: **2/27/2018**

In consideration of the services and materials to be sold and/or provided by C&J Spec-Rent Services, Inc. ("C&J") under this service order, the above-named customer ("Customer") agrees that:

The services and materials quoted under this service order are based on the best information available at the time that this quotation was prepared. When the actual work is performed the amounts and types of services and materials may require adjustments any pre-quoted items in service order. Actual amounts and types of services and materials will be charged at the time the work is performed. Unit prices from C&J's current price list and discounts quoted are applied as per this service order, unless otherwise noted. Except as otherwise provided for herein, this service order is only for the materials and services quoted hereunder.

The prices and discounts reflected herein are based on C&J being awarded the work on a first call basis. Prices may be adjusted if the work is not on a first call basis. Prices are valid for a period of thirty (30) days following this quotation. Taxes, if any, will be applied to the actual invoice.

All services and materials sold and/or provided by C&J are subject to the terms of C&J's "Contractor's Standard Terms and Conditions" document (the "Terms and Conditions"), which contains provisions concerning risk allocation and warranties associated with C&J's services. The parties hereby agree that all materials and services will be furnished pursuant to the Terms and Conditions and this service order. A copy of the Terms and Conditions is attached to this proposal.

BY SIGNING IN THE SPACE PROVIDED BELOW, CUSTOMER (I) ACKNOWLEDGES RECEIPT OF A COPY OF THE TERMS AND CONDITIONS, AND (II) AGREES THAT THE TERMS AND CONDITIONS SHALL GOVERN ALL SERVICES AND MATERIALS SOLD AND/OR PROVIDED HEREUNDER. THE UNDERSIGNED FURTHER WARRANTS AND REPRESENTS THAT THE UNDERSIGNED IS AUTHORIZED TO EXECUTE THIS SERVICE ORDER AS CUSTOMER'S AGENT.

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

Customer Authorized Agent: _____

