

RIG/UNIT #: 339
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 2871189-SO2

DATE: 19-Jan-17, 06:00

Page: 1 of 1

| COMPANY | | | | |
|--------------------------------------|--|---|--|------|
| PDC ENERGY, INC | | LOCATION: CHRISTIANSEN 31-33 (CO, Station: Lasalle) | | PO: |
| ATTENTION: ACCOUNTS PAYABLE | | | | AFE: |
| BRIDGEPORT, West Virginia, USA 26330 | | | | |



| CHARGES & EXPENDABLES | | | |
|--|-------|------------|------------|
| NAME | QTY | UNIT PRICE | EXT. PRICE |
| Rig Hours | 11.50 | | |
| Crew Travel | 1.00 | | |
| Labor - Floor | 12.50 | | |
| Bird Bath Rental | 1.00 | | |
| Washington Circulating Head | 1.00 | | |
| Tubing Wiper Rubber | 1.00 | | |
| Thread Dope | 1.00 | | |
| CHARGES & EXPENDABLES SUB-TOTAL | | | |
| FIELD ESTIMATE (TAX NOT INCLUDED) | | | |

| 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: 45 °F | | H2S (%): 0.0 |

| DETAILS OF OPERATIONS | | | | |
|--------------------------------|------------------|----------------|---------------|---|
| FROM | TO | DURATION (hrs) | ACTIVITY | DETAILS |
| 19-Jan-17, 06:00 | 19-Jan-17, 18:30 | 12.50 | Well Services | CREW TRAVEL TO LOCATION SAFETY MEETING AND CHECK THE PSI @0 CONTINUE LAY DOWN PIPE LAY DOWN 188 JTS AND RIG UP THE WIRE LINE TO GO SET THE C.I.B.P @7102 AND THE 2ND C.I.B.P @6926 AND TEST THE CASING TO 1000 PSI TEST OK BLEED THE PSI OFF AND GO LOG THE HOLE FROM 800'FT TO SURFACE AND CUT THE CASING @800'FT RIG DOWN THE WIRE LINE CHANGE EQUIPMENT TO 4 1/2 NIPPLE DOWN THE B.O.P AND THE 5000K ON LAND THE CASING NIPPLE UP THE SPOOL AND THE B.O.P PSI TEST THE B.O.P AND LAY DOWN 19 JTS 4 1/2 CHANGE EQUIPMENT TO 2 3/8 T.I.H W/26 JTS @845'FT CIRCULATE GOOD THE HOLE AND THE RIG UP THE CEMENT CREW PUMPING 380 SXS RIG DOWN THE CEMENT CREW LAY DOWN 26 JTS AND NIPPLE DOWN THE B.O.P SPOOL AND RIG UP CEMENT CREW TOP OFF CEMENT PUT THE TOP CUP CLEAN THE TOOL DRAIN AND RIG DOWN PUMP AND LINES RIG DOWN CLEAN THE LOCATION SHUT IN CREW GO 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 | Abel Alvarez | 19-Jan-17, 06:00 | 12.50 | 0.00 | No | 0.00 | | 0.00 | Yes |
| Operator | George Quinones | 19-Jan-17, 06:00 | 12.50 | 0.00 | No | 0.00 | | 0.00 | Yes |
| Derrickhand | Gonzalo Chavez | 19-Jan-17, 06:00 | 12.50 | 0.00 | No | 0.00 | | 0.00 | Yes |
| Derrickhand | Sergio Ibaudo Gonzalez | 19-Jan-17, 06:00 | 12.50 | 0.00 | No | 0.00 | | 0.00 | Yes |
| Relief Operator | Gomez Rodriguez, Daniel | 19-Jan-17, 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:  ELOY COSSIO 970-744-9564 |



Submitted by:
Wes Aaron
Integrity Well Solutions
10765 Turner Blvd., STE B
Longmont, CO 80504

Petroleum Development Corporation

Christiansen 31-33

API# 05-123-22340-00

AFE#

Sec. 33 T 7 N R 64 W

Field: Wattenberg

Rig: Work Over

Weld County, Eaton, CO

ZIP: 80615

P&A Ticket

Prepared for: **Petroleum Development Corporation**
1775 Sherman Street, STE 3000
Denver. CO 80203

January 19, 2017

v.1

Proposal: Christiansen 31-33

**CUSTOMER:**

Petroleum Development Corporation
1775 Sherman St., STE 3000
Denver, CO 80203

Remit to: 12972 Clarkson Circle
Thornton, CO 80241
720.369.9487 phone

Ship To

Well Name: Christiansen 31-33
Location: Weld County, Colorado
City/Zip: Eaton 80615
API #: 05-123-22340-00
Legal: Sec. 33 T7N R64W

Order Type: Cementing Services
Well Name: Christiansen 31-33
Company Code: NA
Customer AFE No.:
Shipping Point: Weld County, Colorado
Well Type: Gas
Well Category: P&A
Payment Terms: Net 30 Days

Job Date: January 19, 2017

Version # 1

| Mtrl Nbr | Tax | Description | Qty | UOM | Unit Price | Gross Amt | Discount | Net Amt |
|----------|-----|-------------------------------|-----|-----|------------|-----------|----------|---------|
| | | Pumping Charge | | | | | | |
| | | Pump Charge | 1 | EA | | | | |
| | | Cement/Flushes/Spacers | | | | | | |
| | | Class G | 395 | SK | | | | |
| | | Sugar | 50 | LB | | | | |
| | | Additional Cement | 0 | SK | | | | |

Thank you very much.
Integrity Well Solutions,

Base Estimate Net Total

Customer Representative Signature

Print Name

Date

Job Date: January 19, 2017

Version # 1

| Mtrl Nbr | Tax | Description | Qty | UOM | Unit Price | Gross Amt | Discount | Net Amt |
|----------|-----|-------------|-----|-----|------------|-----------|----------|---------|
|----------|-----|-------------|-----|-----|------------|-----------|----------|---------|

If you would please take a moment and circle an answer for each question to help us improve our service to you:

- 1 Did we arrive on time ? Yes No
- 2 Did our crew perform to your expectations- safe and professional ? Yes No
- 3 Was the job executed to your satisfaction? Yes No

4 Comment section for additional improvement or concerns:

Please also include your contact information.



JOB SUMMARY

| | |
|--------------------|-------------|
| JOB DATE | 01/19/17 |
| SUPERVISOR | Jason Gibbs |
| CITY | Eaton |
| SALES ORDER NUMBER | C7CO3006 |

| | | | | | |
|----------------------|--------------------|-----------------|-----------------------|---------------|-----------------|
| CUSTOMER | PDC | CUSTOMER REP. | Eloy Cossio | TICKET AMOUNT | \$8,570.00 |
| WELL TYPE | Gas | STATE | Colorado | COUNTY | Weld |
| WELL NAME AND NUMBER | Christiansen 31-33 | SEC / TWN / RNG | Sec 33 / Twn 7N / 64W | API # | 05-123-22340-00 |

| EMP NAME | EXP HOUR | EQUIPMENT | RTI MILES | EMP NAME | EXP HOUR | EQUIPMENT | RTI MILES |
|-------------|----------|-----------|-----------|----------|----------|-----------|-----------|
| Jon Snyder | 5.0 | Unit 500 | | | | | |
| Jason Gibbs | 5.0 | Unit 600 | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| DATE | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED | LEAVE LOCATION |
|------|------------|-------------|-------------|---------------|----------------|
| TIME | 1/19/2017 | 1/19/2017 | 1/19/2017 | 1/19/2017 | 1/19/2017 |
| | 1200 | 1230 | 1500 | 1630 | 1715 |

WELL TUBULAR DATA

| TUBULAR NAME | NEW/USED | WEIGHT | SIZE | TO | Retainer and Perfs | Perfs | Depth |
|--------------|----------|--------|--------|----|--------------------|------------|-------|
| Surface | used | 24# | 8.625" | 0' | 577' | Cut Casing | 800' |
| Production | used | 11.6# | 4.5" | 0' | 7,307' | | |
| Tubing | used | 4.7# | 2.375" | 0' | 840 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

JOB PROCEDURE AND MATERIALS

| STAGE | FLUID NAME | VOLUME (BBL) | FLUID DESCRIPTION | WATER REQ. | YIELD | DENSITY (PPG) |
|-------|------------|--------------|-------------------|------------|-------|---------------|
| 1 | Fresh H2O | 10 | Fresh Water Flush | - | - | - |
| 2 | Class G | 81 | 395 sks Class G | 5 | 1.15 | 15.8 |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |

OTHER JOB NOTES

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE _____

SIGNATURE _____