

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Concorde Resources Corporation
Well Name	MCDANIEL 1-27
Doc ID	1354348

All Electric Logs Run

Dual Induction
Dual Comp Porosity
Microresistivity
Dual Receiver Cement Bond

Form	ACO1 - Well Completion
Operator	Concorde Resources Corporation
Well Name	MCDANIEL 1-27
Doc ID	1354348

Tops

Name	Top	Datum
Anydrite	2358	+648
Base	2376	+630
Heebner	3864	-858
Lansing	3909	-903
Stark	4184	-1178
BKC	4291	-1285
Altamont A	4330	-1324
Pawnee	4408	-1402
Cherokee	4484	-1478
Mrw	4601	-1595
Miss	4645	-1639
RTD	4707	-1701
LTD	4708	-1702

Form	ACO1 - Well Completion
Operator	Concorde Resources Corporation
Well Name	MCDANIEL 1-27
Doc ID	1354348

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4		shot	4357-4353
4		shot	4596-4600
4		shot	4540-4544





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Concorde Resources Corp

**27-15s-34w Logan, Ks**

111 S Main. St  
Eufaula, Ok 74432

**McDaniel 1-27**

Job Ticket: 65672

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2017.03.15 @ 00:44:02

## GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:16:02

Time Test Ended: 08:38:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

**Interval: 3945.00 ft (KB) To 3995.00 ft (KB) (TVD)**

Reference Elevations: 3006.00 ft (KB)

Total Depth: 3995.00 ft (KB) (TVD)

2996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 222.19 psig @ 3950.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.03.15

End Date:

2017.03.15

Last Calib.:

2017.03.15

Start Time: 00:44:07

End Time:

08:38:31

Time On Btm:

2017.03.15 @ 03:15:32

Time Off Btm:

2017.03.15 @ 06:16:32

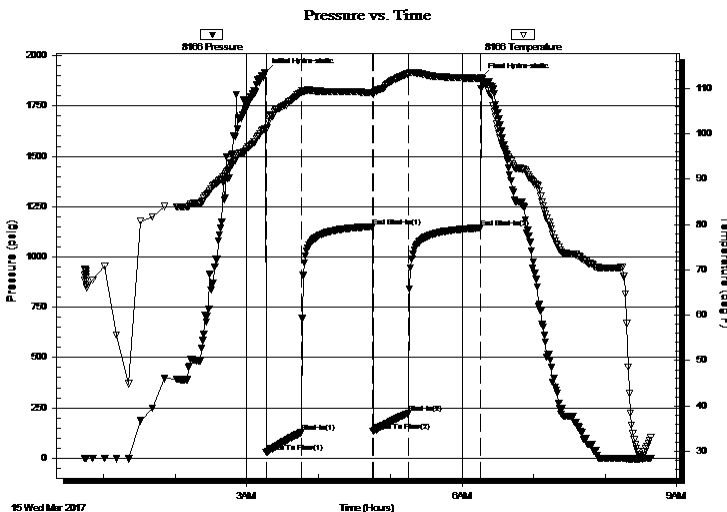
TEST COMMENT: IF: 2" blow BOB in 12 min.

IS: No return.

FF: BOB in 17 min.

FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1916.72	101.19	Initial Hydro-static
1	27.76	100.92	Open To Flow (1)
30	127.13	109.12	Shut-In(1)
90	1150.58	109.05	End Shut-In(1)
90	133.92	108.70	Open To Flow (2)
120	222.19	113.23	Shut-In(2)
180	1143.98	112.21	End Shut-In(2)
181	1892.45	111.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 80%w 20%m	1.74
186.00	w cm 20%w 80%m	2.61
263.00	w cm 5%w 95%m	3.69

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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# DRILL STEM TEST REPORT

Concorde Resources Corp

27-15s-34w Logan, Ks

111 S Main. St  
Eufaula, Ok 74432

McDaniel 1-27

Job Ticket: 65672

DST#: 1

ATTN: Larry Nicholson

Test Start: 2017.03.15 @ 00:44:02

## GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:16:02

Time Test Ended: 08:38:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: **3945.00 ft (KB) To 3995.00 ft (KB) (TVD)**

Total Depth: 3995.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 3006.00 ft (KB)

2996.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **8875**

Inside

Press@RunDepth: psig @ 3950.00 ft (KB)

Start Date: 2017.03.15

End Date:

2017.03.15

Capacity: 8000.00 psig

Last Calib.:

2017.03.15

Start Time: 00:44:14

End Time:

08:38:38

Time On Btm:

Time Off Btm:

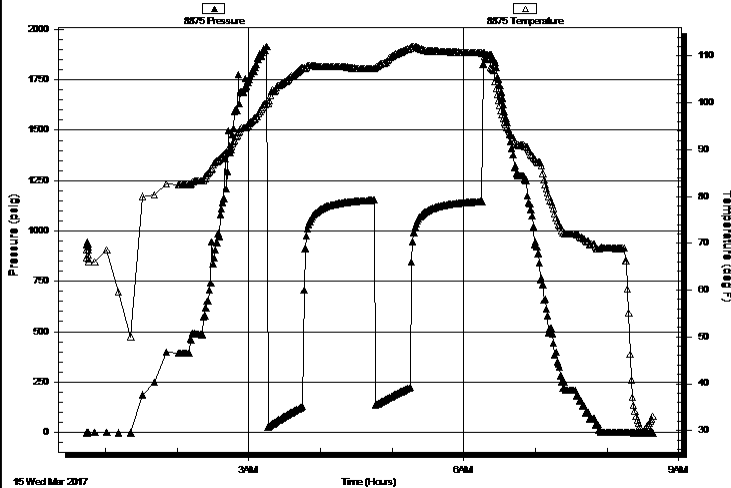
TEST COMMENT: IF: 2" blow BOB in 12 min.

IS: No return.

FF: BOB in 17 min.

FS: No return.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 80%w 20%m	1.74
186.00	w cm 20%w 80%m	2.61
263.00	w cm 5%w 95%m	3.69

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Concorde Resources Corp

**27-15s-34w Logan, Ks**

111 S Main. St  
Eufaula, Ok 74432

**McDaniel 1-27**

Job Ticket: 65672

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2017.03.15 @ 00:44:02

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	mcw 80%w 20%m	1.739
186.00	w cm 20%w 80%m	2.609
263.00	w cm 5%w 95%m	3.689

Total Length: 573.00 ft      Total Volume: 8.037 bbl

Num Fluid Samples: 0

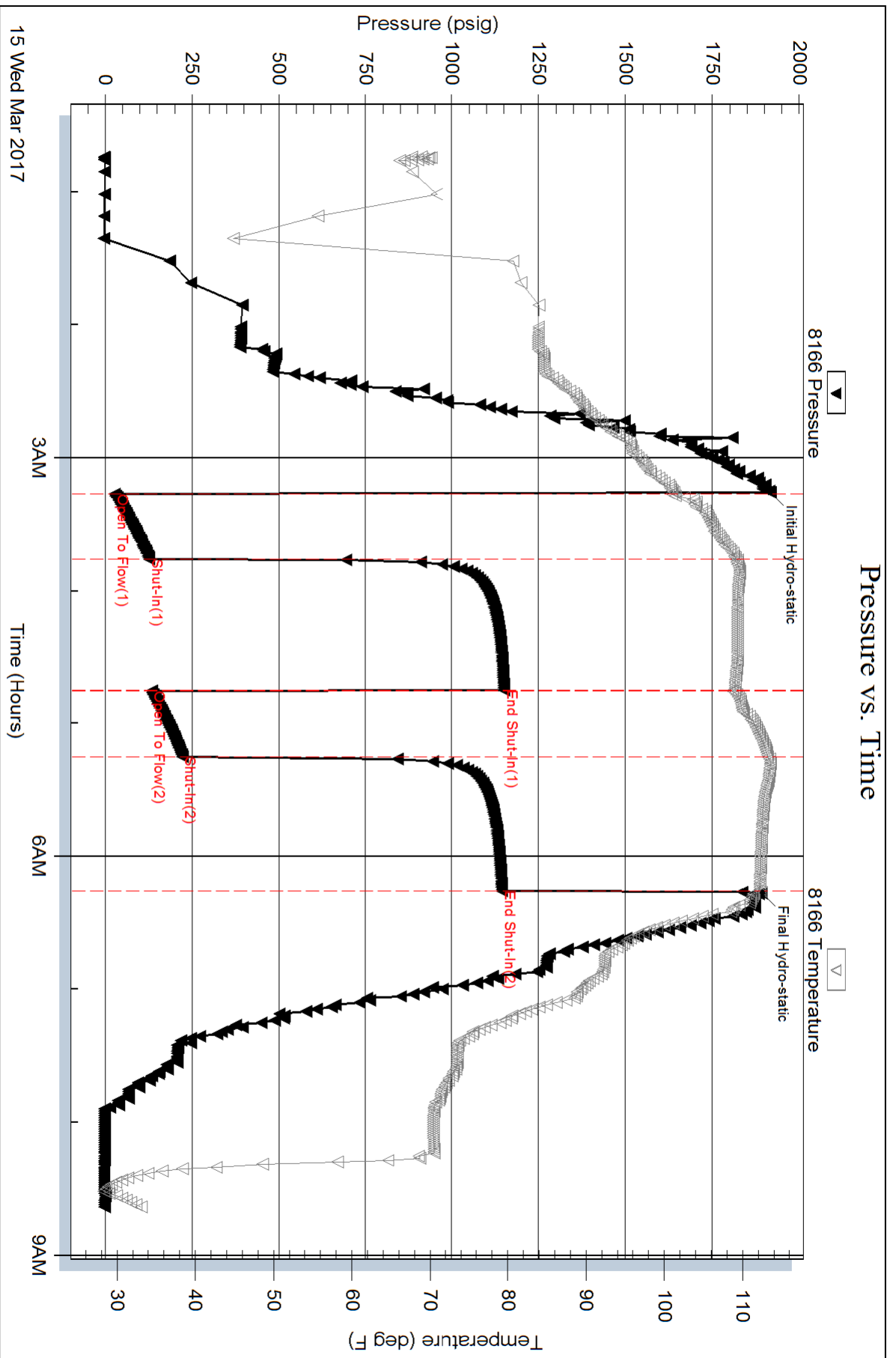
Num Gas Bombs: 0

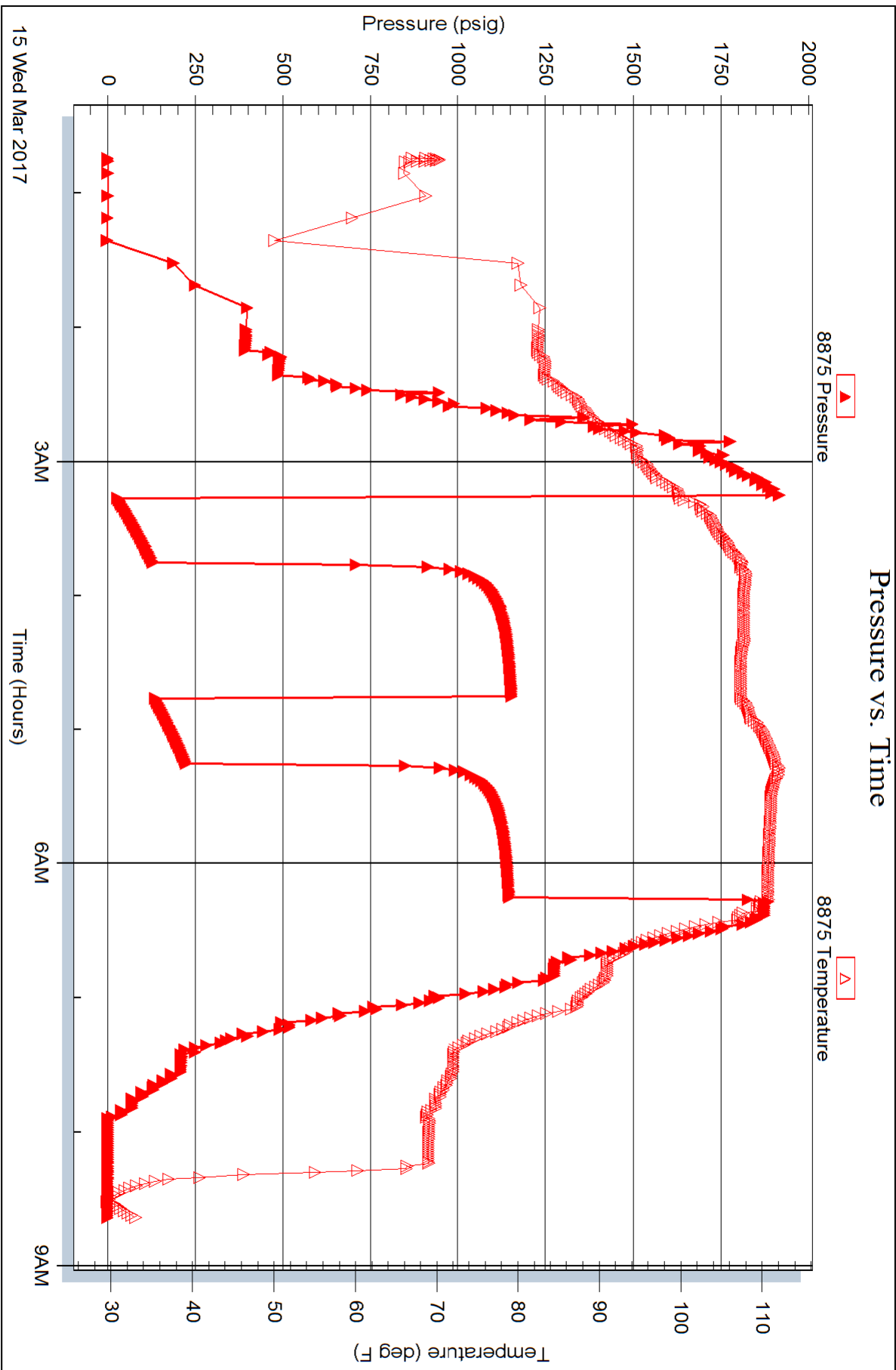
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .42@34=39000







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# DRILL STEM TEST REPORT

Concorde Resources Corp

**27-15s-34w Logan, Ks**

111 S Main. St  
Eufaula, Ok 74432

**McDaniel 1-27**

Job Ticket: 65673

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2017.03.16 @ 14:12:02

## GENERAL INFORMATION:

Formation: **Pleasanton- Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:16:32

Time Test Ended: 22:40:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4312.00 ft (KB) To 4350.00 ft (KB) (TVD)**

Reference Elevations: 3006.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

2996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 364.02 psig @ 4317.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.03.16

End Date: 2017.03.16

Last Calib.: 2017.03.16

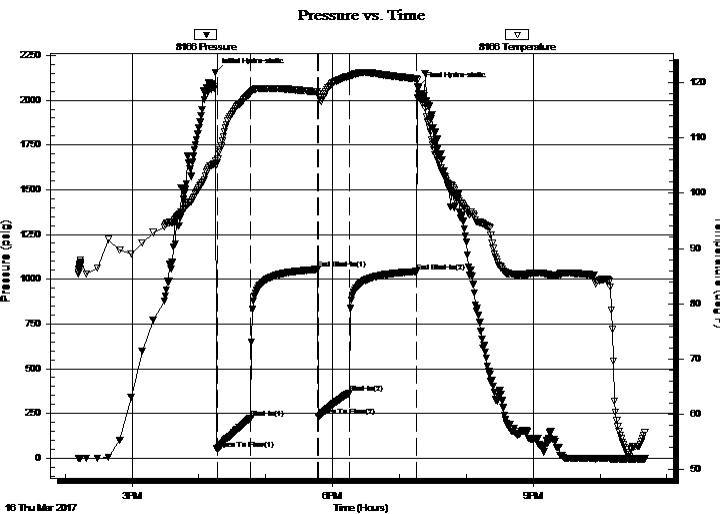
Start Time: 14:12:07

End Time: 22:40:01

Time On Btm: 2017.03.16 @ 16:15:02

Time Off Btm: 2017.03.16 @ 19:16:32

**TEST COMMENT:** IF: BOB in 4 min.  
IS: Surface blow built to BOB in 39 min.  
FF: BOB in 4 min.  
FS: Surface blow built to 5 1/2.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.91	105.83	Initial Hydro-static
2	48.83	105.51	Open To Flow (1)
32	223.94	118.10	Shut-In(1)
92	1054.79	118.30	End Shut-In(1)
92	232.63	117.96	Open To Flow (2)
120	364.02	121.12	Shut-In(2)
180	1043.18	120.66	End Shut-In(2)
182	2076.93	118.97	Final Hydro-static

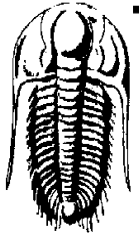
## Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 40%g 30%o 30%m	0.87
124.00	mcgo 20%g 40%o 40%m	1.74
372.00	mcgo 20%g 70%o 10%m	5.22
392.00	go 20%g 80%o	5.50
0.00	414 GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Concorde Resources Corp

111 S Main. St  
Eufaula, Ok 74432

ATTN: Larry Nicholson

27-15s-34w Logan, Ks

McDaniel 1-27

Job Ticket: 65673

DST#: 2

Test Start: 2017.03.16 @ 14:12:02

### GENERAL INFORMATION:

Formation: **Pleasanton- Altamont**

Deviated: No Whipstock:                                  ft (KB)

Time Tool Opened: 16:16:32

Time Test Ended: 22:40:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4312.00 ft (KB) To 4350.00 ft (KB) (TVD)**

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3006.00 ft (KB)

2996.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8875      Inside**

Press@RunDepth:                                  psig @ 4317.00 ft (KB)

Start Date: 2017.03.16

End Date:

2017.03.16

Capacity: 8000.00 psig

Last Calib.:

2017.03.16

Start Time: 14:12:15

End Time:

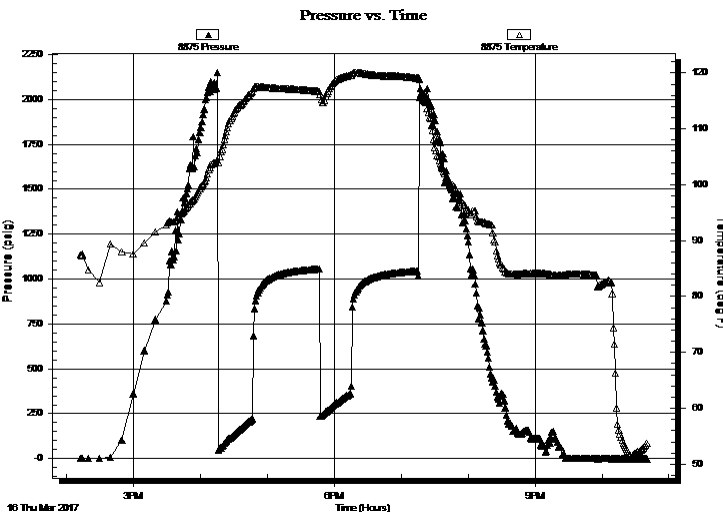
22:40:09

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB in 4 min.  
IS: Surface blow built to BOB in 39 min.  
FF: BOB in 4 min.  
FS: Surface blow built to 5 1/2.

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
62.00	mgo 40%g 30%o 30%m	0.87
124.00	mgo 20%g 40%o 40%m	1.74
372.00	mgo 20%g 70%o 10%m	5.22
392.00	go 20%g 80%o	5.50
0.00	414 GIP	0.00

\* Recovery from multiple tests

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Concorde Resources Corp

**27-15s-34w Logan, Ks**

111 S Main. St  
Eufaula, Ok 74432

**McDaniel 1-27**

Job Ticket: 65673

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2017.03.16 @ 14:12:02

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcgo 40%g 30%o 30%m	0.870
124.00	mcgo 20%g 40%o 40%m	1.739
372.00	mcgo 20%g 70%o 10%m	5.218
392.00	go 20%g 80%o	5.499
0.00	414 GIP	0.000

Total Length: 950.00 ft      Total Volume: 13.326 bbl

Num Fluid Samples: 0

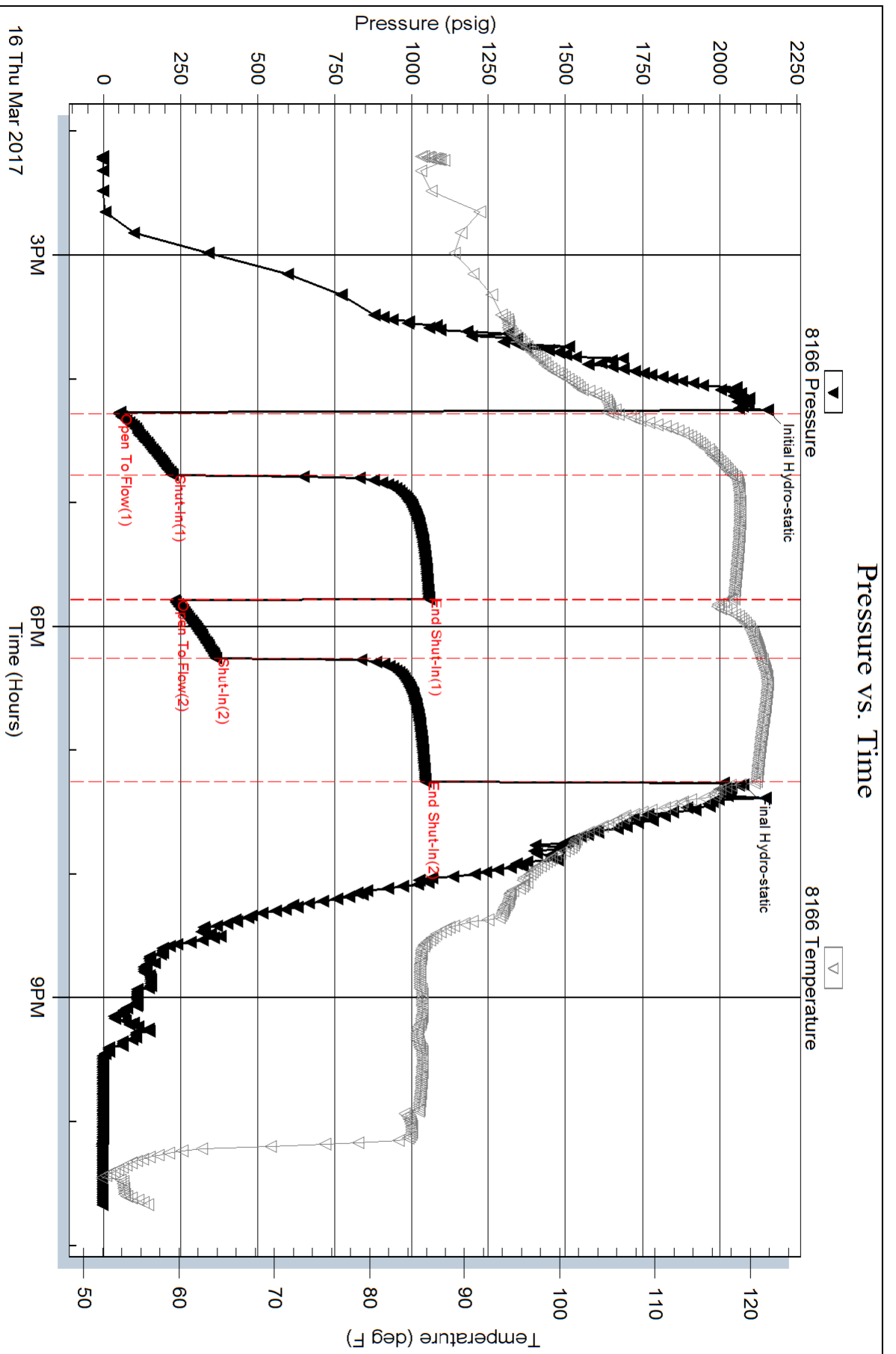
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 31@50=32



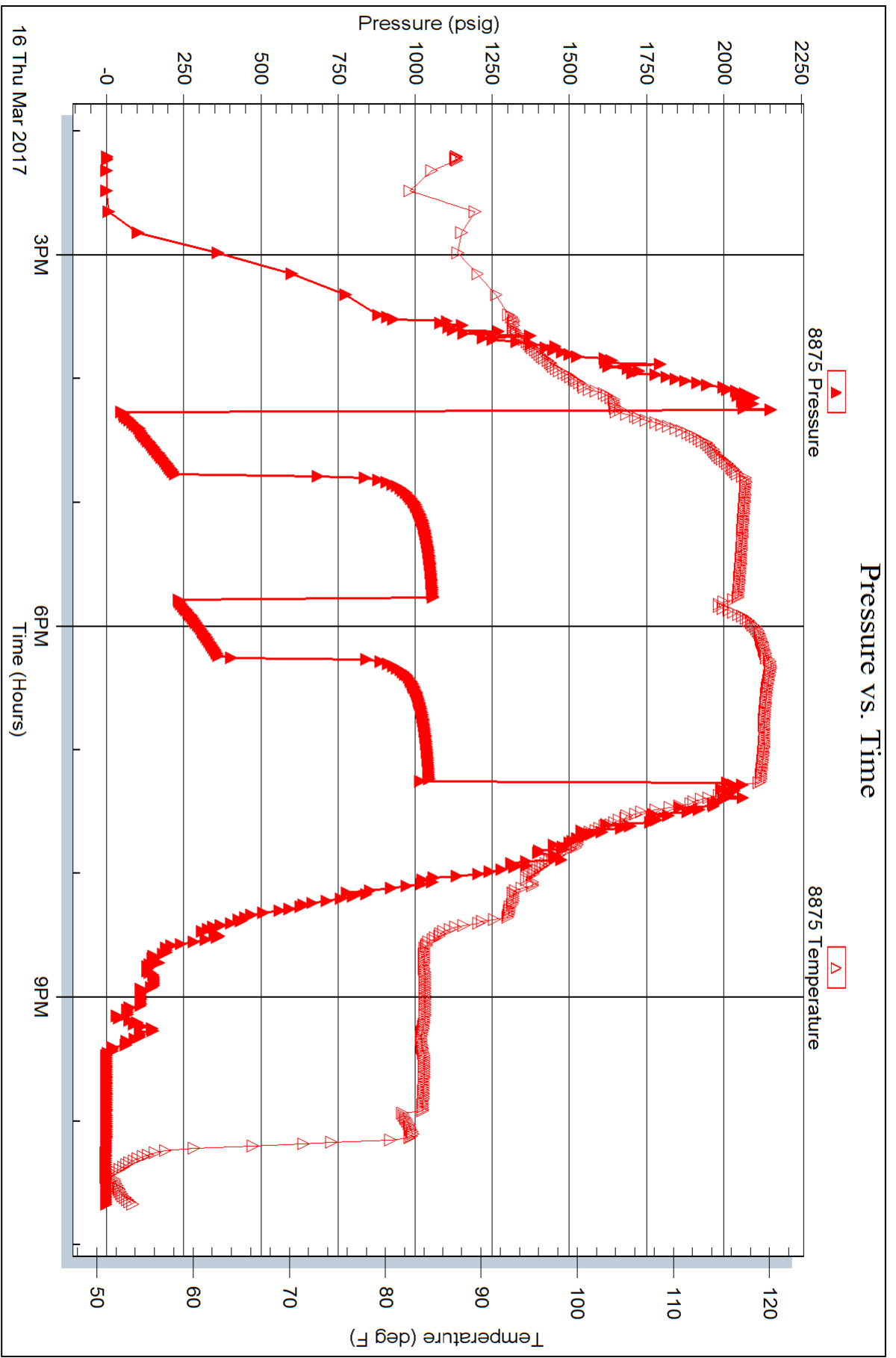
Serial #: 8875

Inside

Concorde Resources Corp

McDaniel 1-27

DST Test Number: 2







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Concorde Resources Corp

27-15s-34w Logan, Ks

111 S Main. St  
Eufaula, Ok 74432

McDaniel 1-27

Job Ticket: 65674

DST#: 3

ATTN: Larry Nicholson

Test Start: 2017.03.17 @ 05:50:44

## GENERAL INFORMATION:

Formation: **Alt B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:40:14

Time Test Ended: 12:10:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4352.00 ft (KB) To 4373.00 ft (KB) (TVD)**

Reference Elevations: 3006.00 ft (KB)

Total Depth: 4373.00 ft (KB) (TVD)

2996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 79.23 psig @ 4357.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.03.17

End Date:

2017.03.17

Last Calib.: 2017.03.20

Start Time: 05:50:49

End Time:

12:10:13

Time On Btm: 2017.03.17 @ 07:39:14

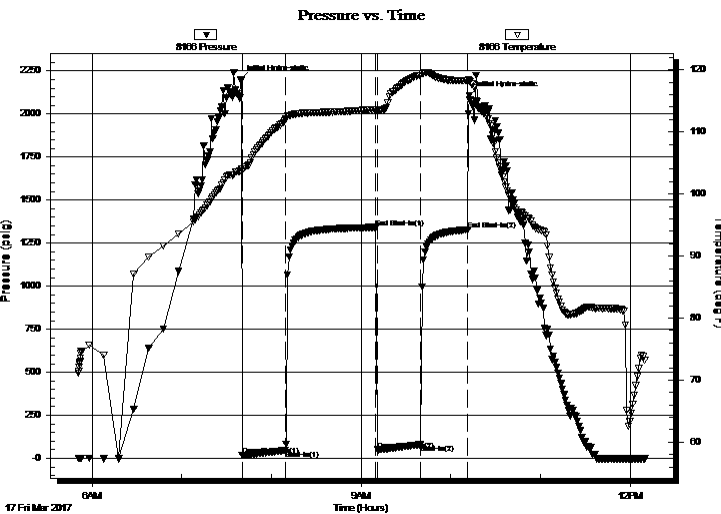
Time Off Btm:

TEST COMMENT: IF: 1/4 blow built to 5.

IS: No return.

FF: Surface blow built to 3 1/2.

FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.54	103.76	Initial Hydro-static
1	16.55	103.73	Open To Flow (1)
30	45.91	111.93	Shut-In(1)
91	1341.65	113.61	End Shut-In(1)
92	48.75	113.30	Open To Flow (2)
121	79.23	119.13	Shut-In(2)
152	1328.14	118.22	End Shut-In(2)
153	2105.47	118.19	Initial Hydro-static

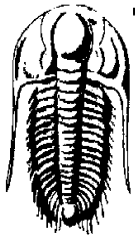
## Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm 30%w 70%m	1.74
15.00	w cm oil spots 10%w 90%m	0.21

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Concorde Resources Corp

27-15s-34w Logan, Ks

111 S Main. St  
Eufaula, Ok 74432

McDaniel 1-27

Job Ticket: 65674

DST#: 3

ATTN: Larry Nicholson

Test Start: 2017.03.17 @ 05:50:44

## GENERAL INFORMATION:

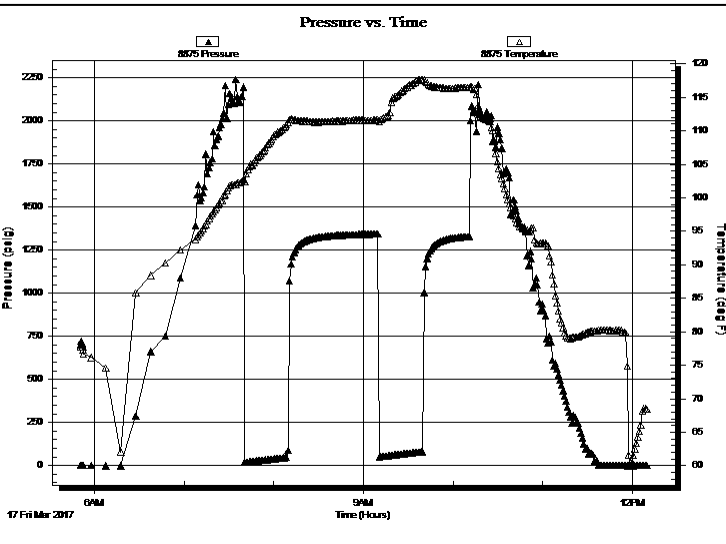
Formation: **Alt B**  
 Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 07:40:14      Tester: Brandon Turley  
 Time Test Ended: 12:10:14      Unit No: 79  
  
 Interval: **4352.00 ft (KB) To 4373.00 ft (KB) (TVD)**      Reference Elevations: 3006.00 ft (KB)  
 Total Depth: 4373.00 ft (KB) (TVD)      2996.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor      KB to GR/CF: 10.00 ft

## Serial #: 8875

Inside

Press@RunDepth:                psig @ 4357.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2017.03.17      End Date: 2017.03.17      Last Calib.: 2017.03.20  
 Start Time: 05:50:41      End Time: 12:10:05      Time On Btm:  
    Time Off Btm:

**TEST COMMENT:** IF: 1/4 blow built to 5.  
 IS: No return.  
 FF: Surface blow built to 3 1/2.  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm 30%w 70%m	1.74
15.00	w cm oil spots 10%w 90%m	0.21

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Concorde Resources Corp

**27-15s-34w Logan, Ks**

111 S Main. St  
Eufaula, Ok 74432

**McDaniel 1-27**

Job Ticket: 65674

**DST#: 3**

ATTN: Larry Nicholson

Test Start: 2017.03.17 @ 05:50:44

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

29000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	w cm 30%w 70%m	1.739
15.00	w cm oil spots 10%w 90%m	0.210

Total Length: 139.00 ft      Total Volume: 1.949 bbl

Num Fluid Samples: 0

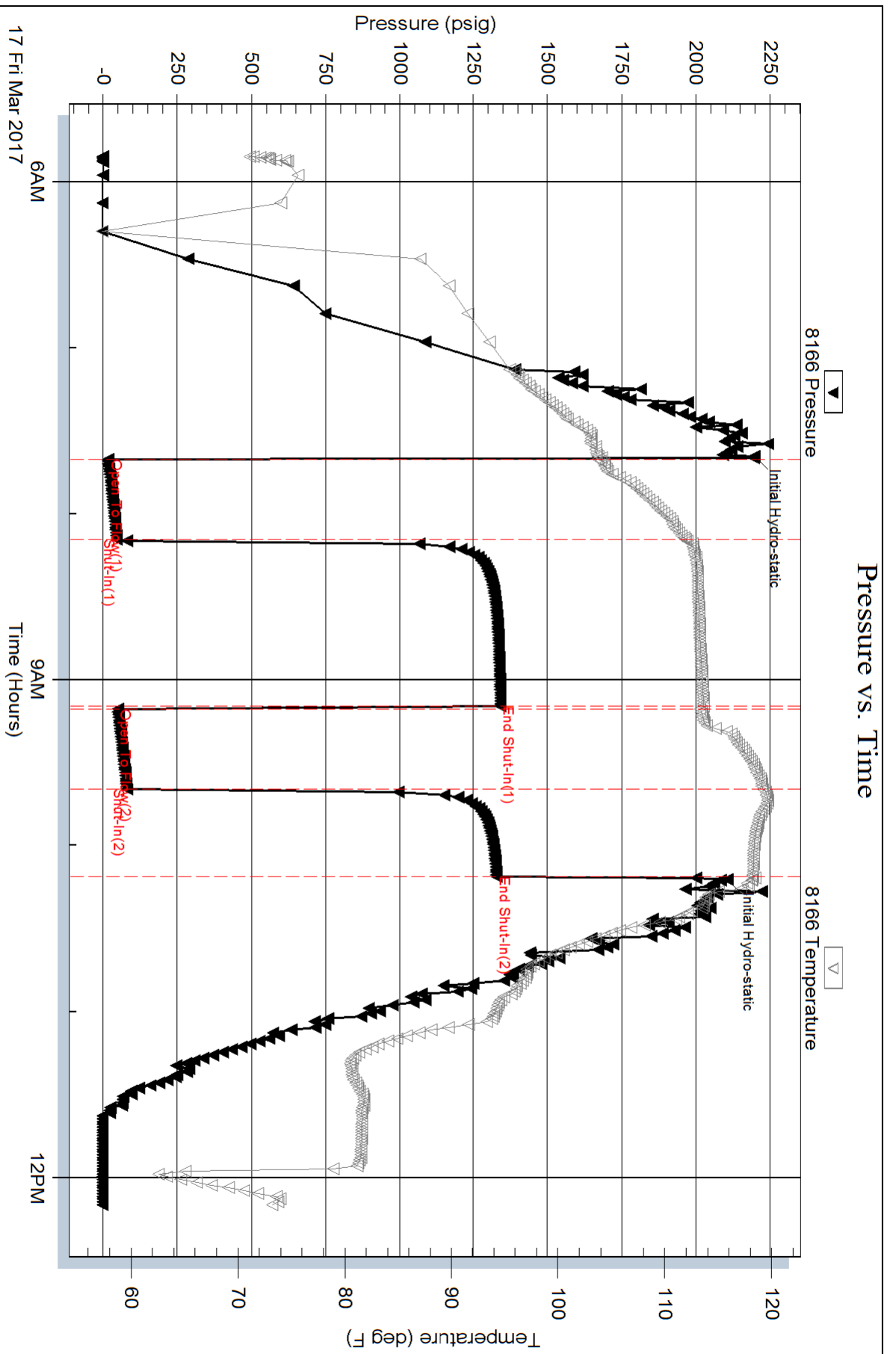
Num Gas Bombs: 0

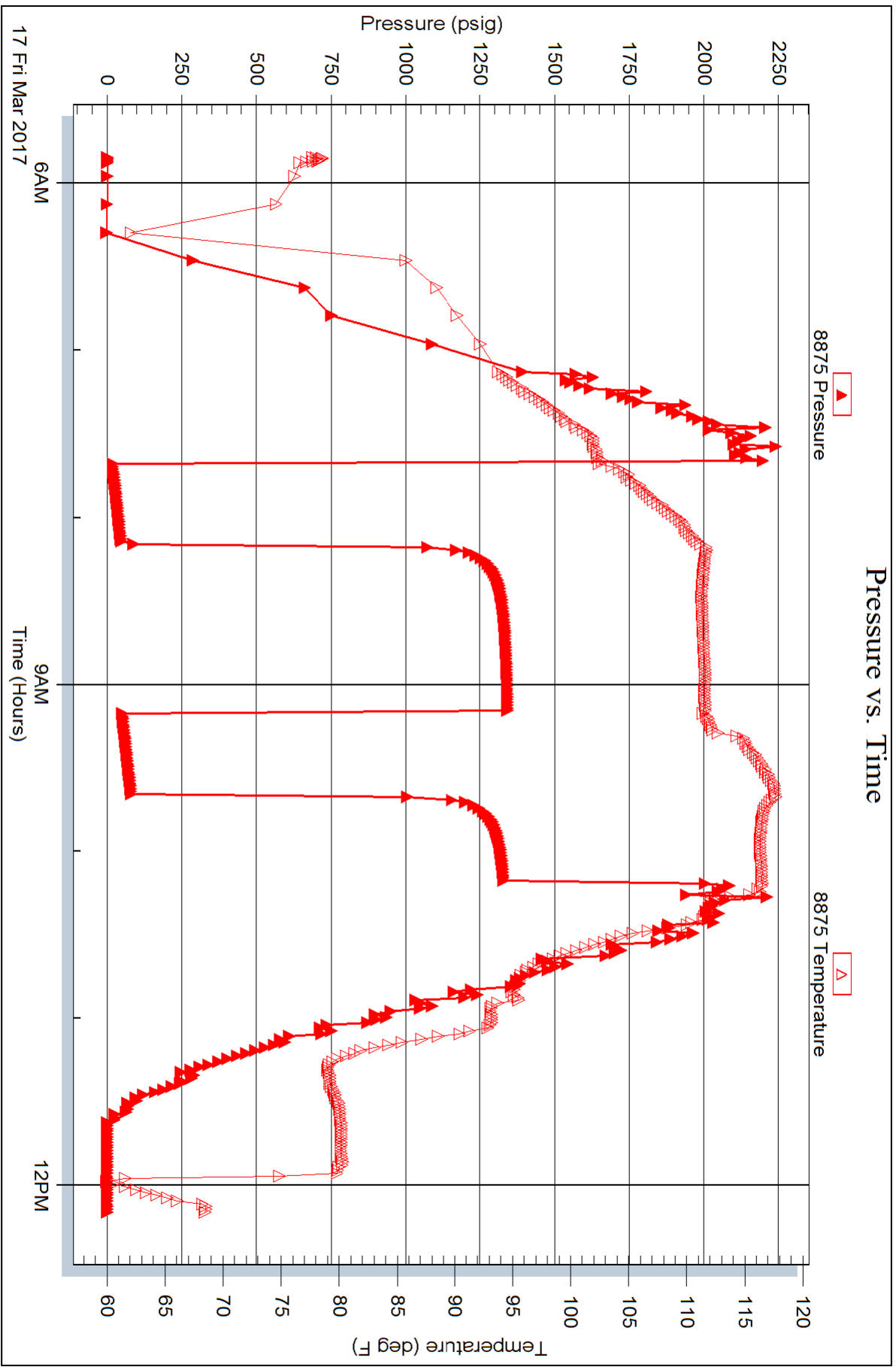
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .23@69=29000





# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 114

Date	3-10-17	Sec.	Twp.	Range	County	State	On Location	Finish
					Logan	KS		1:15 AM
Lease					Location			
Mc Daniel					Pence KS 9 Chappick 4/20 BISON RD			
Well No.					Owner			
1-27					BW Ninto			
Contractor					To Quality Oilwell Cementing, Inc.			
Southern #8					You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job					Charge To			
Surface					Concorde Resources Corp.			
Hole Size		T.D.		Street				State
12 1/4		308						
Csg.		Depth		City				State
8 5/8		308						
Tbg. Size		Depth		City				State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered				
15'				2000m 3/4 2/1 CFL				
Meas Line		Displace						
		18 1/2 BCL						
<b>EQUIPMENT</b>					Common			
Pumptrk 5 No. Cementer					200			
Helper					Poz. Mix			
Bulktrk No. Driver					Gel. 4			
Bulktrk 15 No. Driver					Calcium 8			
JOB SERVICES & REMARKS					Hulls			
Remarks:					Salt			
Rat Hole					Flowseal			
Mouse Hole					Kol-Seal			
Centralizers					Mud CLR 48			
Baskets					CFL-117 or CD110 CAF 38			
D/V or Port Collar					Sand			
8 5/8 on bottom - Est. Circulation.					Handling 211			
Mix 2000m + Displace					Mileage			
Cement Circulated.					<b>FLOAT EQUIPMENT</b>			
					Guide Shoe 8 5/8 Swage			
					Centralizer			
					Baskets			
					AFU Inserts			
					Float Shoe			
					Latch Down			
					Pumptrk Charge Surface			
					Mileage 49			
Signature <i>William Andrew</i>					Tax			
					Discount			
					Total Charge			

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 125

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-19-17	27	15	34	Logan	KS		8:50pm
				Location <i>Peace 4122 1/2 W 1110</i>			

Lease <i>McDaniel</i>	Well No. <i>1-27</i>	Owner
Contractor <i>Southwind #18</i>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <i>DV Job</i>	<i>Top stage</i>	Charge To <i>Concord Resources</i>
Hole Size <i>7 7/8</i>	T.D. <i>4707</i>	Street
Csg. <i>5 1/2</i>	Depth <i>4706</i>	City
Tbg. Size	Depth	State
Tool <i>DV Tool</i>	Depth <i>2342</i>	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <i>450 80/20 DMDC 1/4 #F16</i>

Meas Line	Displace <i>55 3/4 RL</i>	<i>500 gal mid Chlor</i>
<b>EQUIPMENT</b>		Common

Pumptrk <i>20</i>	No.	Cement Helper <i>Garib</i>	Poz. Mix
Bulktrk	No.	Driver <i>Travis</i>	Gel.
Bulktrk <i>19</i>	No.	Driver <i>David</i>	Calcium

<b>JOB SERVICES &amp; REMARKS</b>		Hulls
Remarks:		Salt
Rat Hole <i>305K</i>		Flowseal
Mouse Hole <i>155K</i>		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
<i>Cement Pump 500 gal mid Chlor</i>		Handling
<i>Plug bath hole</i>		Mileage

<b>FLOAT EQUIPMENT</b>	
<i>Cement 5 1/2 with 4050K</i>	Guide Shoe
<i>Displace Plug</i>	Centralizer
<i>Cement Circulated</i>	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge	Tax
	Mileage	Discount
		Total Charge
X Signature <i>[Signature]</i>		

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 124

Date	3-19-17	Sec.	27	Twp.	15	Range	34	County	Logan	State	KS	On Location		Finish	4:00pm
								Location	Pace 4 1/2 W NW 1/4						

Lease	McDaniel	Well No.	1-27	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor	Southwind #8	Bottom		Charge To	Concord Resources	
Type Job	DV Job	T.D.	4707	Street		
Hole Size	7 7/8	Depth	4700	City	State	
Csg.	5 1/2	Depth	2342	The above was done to satisfaction and supervision of owner agent or contractor.		
Tbg. Size		Depth	40.60	Cement Amount Ordered 225000 10/500 5/6/500 10		
Tool	DV Tool	Shoe Joint	40.60	Cement Line Displace 111 BL		
Cement Left in Csg.	40.60	Common				

**EQUIPMENT**

Pumptrk	No. 20	Cementor		Poz. Mix
		Helper		
Bulktrk	No. 15	Driver	Travis	Gel.
		Driver		
Bulktrk	No. 15	Driver		Calcium
		Driver		

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	40 5000's
Centralizer	10
Baskets	3 cased
AFU Inserts	DV Tool
Float Shoe	1
Latch Down	1

Quality Oilwell Cementing

Pumptrk Charge		Tax
Mileage		Discount
Signature	<i>[Signature]</i>	Total Charge

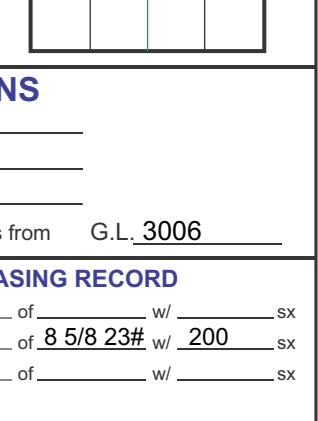


# GEOLOGICAL REPORT

## Larry A. Nicholson

NAD 83  
38 7213183  
155 0897413

COMPANY **Condore Resources Corporation**  
 API # **15-109-21492** FIELD **Wildcat**  
 LEASE **McDaniel** WELL # **#1-27**  
 LOCATION **NW NW NE SW**  
 SURVEY **2360 FSL 1572 FWL**  
 SECTION **27 TWP 15S ROE 34W**



CONTRACTOR **Southwind** RIG # **8**  
 SPUD **03/09/17 6:00 pm** COMP. **K.B. 3006**  
 RTD **4/07 2:45pm 3/18/17** LTD **4708** D.F. \_\_\_\_\_  
 MUD UP AT **3500** G.L. **2996**  
 MUD TYPE **Chemical**  
 MUD LOG **McDaniel, MudCo Reid Atkins**  
 All measurements from **G.L. 3006**

CONTRACTOR **Southwind** RIG # **8**  
 SPUD **03/09/17 6:00 pm** COMP. **K.B. 3006**  
 RTD **4/07 2:45pm 3/18/17** LTD **4708** D.F. \_\_\_\_\_  
 MUD UP AT **3500** G.L. **2996**  
 MUD TYPE **Chemical**  
 MUD LOG **McDaniel, MudCo Reid Atkins**  
 All measurements from **G.L. 3006**

**ELEVATIONS**

SAMPLES	FROM	TO	RTD	CONDUCTOR	WELL
3600	3600	10	10	307	200
3600	3600	10	10	307	200

**FORMATIONS**

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL
Anhydrite	2358	+648	2340	+646	+2
Base	2376	+630	2358	+628	+2
Heebner	3864	-858	3852	-866	+8
Lansing	3909	-903	3898	-912	+9
Stark	4164	-1178	4173	-1187	+9
BKC	4291	-1295	4280	-1296	+9
Allamore A	4330	-1324	4323	-1337	+13
Pawnee	4408	-1402	4399	-1413	+11
Cherokee	4484	-1478	4474	-1488	+10
Miss	4601	-1595	4606	-1610	+15
LTD	4708	-1702	4800	-1814	
LTD	4708	-1702	4803	-1814	

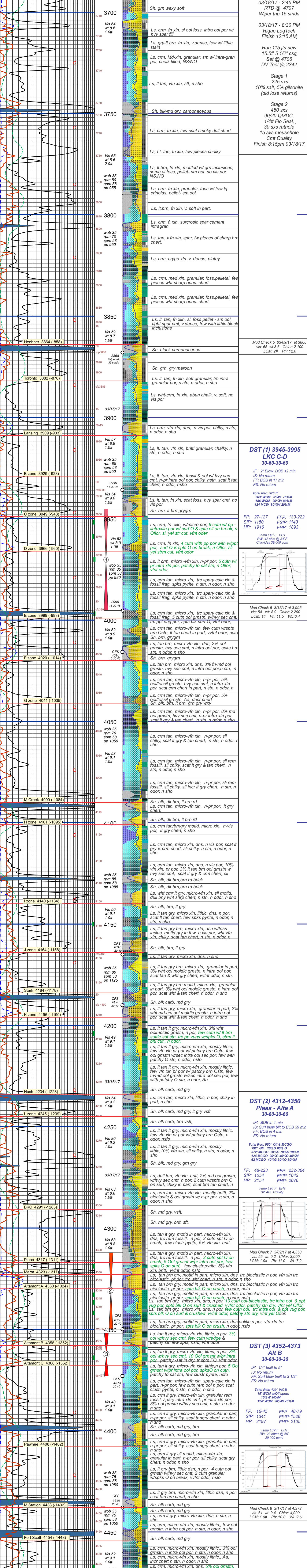
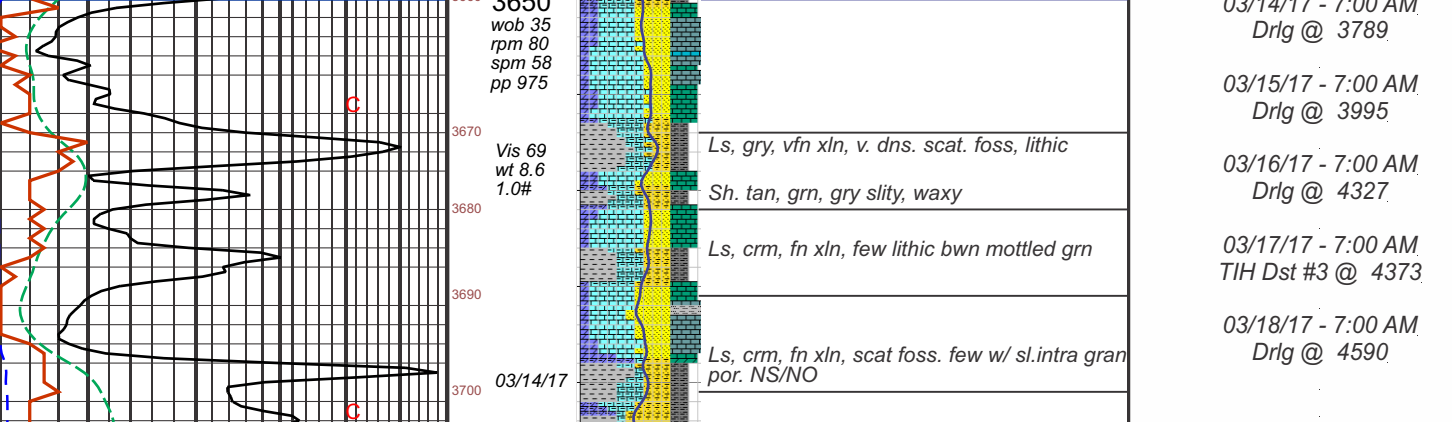
REFERENCE WELLS  
 A: Cities Service McDaniel 'A' #1, NE, Sec 27 T15S R34W KB 2986'  
 B: \_\_\_\_\_

REMARKS & RECOMMENDATIONS:  
 Based Sample shows the Det in the Allamore, and other perforations shows pipe was set

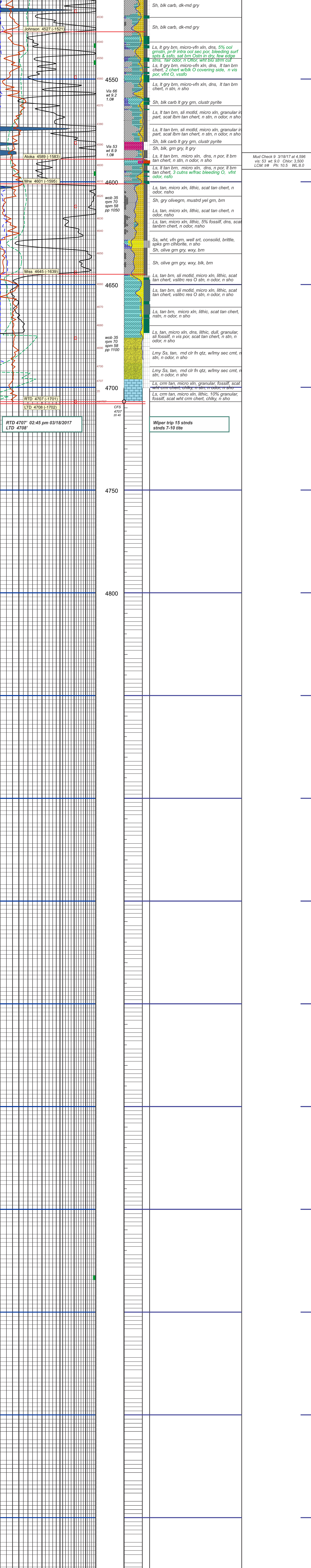
\*Note Rig ROP & Loggers were together on depth

LAN 792, Modified 505, 1111, 412, Hanover, KS 66445 1inch = 25mm 8.5 x 97.5 2.16 mm x 2460 mm

### LEGEND

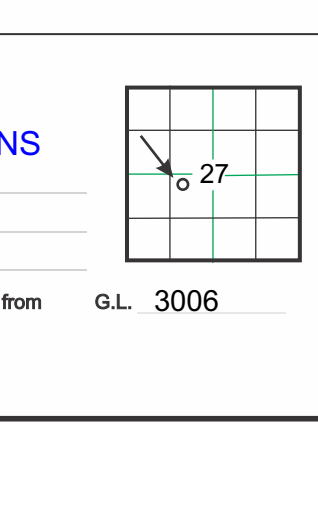


RTD 4707 02:45 pm 03/18/2017 LTD 4708



RTD 4707 02:45 pm 03/18/2017 LTD 4708

COMPANY **Condore Resources Corporation**  
 LEASE **McDaniel #1-27 NW NW NE SW**  
 LOCATION **2360 FSL 1572 FWL SEC. 27 TWP 15S ROE 34W**  
 COUNTY **Logan** STATE **Ks**



ELEVATIONS  
 K.B. 3006  
 D.F. \_\_\_\_\_  
 G.L. 2996  
 All measurements from **G.L. 3006**

**MORNING DRILLING REPORT**

**SOUTHWIND DRILLING, INC.**

For: Concorde Resources Corporation

RIG No. 8

Well Name: McDaniel #1-27  
 Location: 2360'FSL & 1572'FWL  
 Section: 27-15S-34W  
 County: Logan  
 API: 15-109-21492-00-00

GL Elevation: 2996'  
 KB: 3006'  
 Est. TD: 4700'  
 Conductor Pipe: N/A

Rig No. 8 (Pusher Bill Sanders) 620-617-0706  
 Rig No. 8 (Doghouse) 620-566-7156  
 Southwind Drilling Office 620-564-3800



Surface Casing: Ran 7 joints of new 23#, 8 5/8" casing, Tally @ 295', Set @ 307', used 200 sacks of Common, 3%cc, 2% gel, cement circulated, by Quality (Ticket #114), plug down @ 1:15 am on 03.10.17.

Production Info: Ran 115 joints of new 15.5#, 5 1/2" casing, Tally @ 4709', Set @ 4706', DV Tool @ 2342', stage 1 - used 225 sacks of 10% salt, 5% Gilsontite (did lose returns), stage 2 - 450 sacks of 80/20 QMDC, 1/4# Flo Seal, 30 sacks rathole, 15 sacks mousehole, cemented by Quality (Ticket #124/125), job complete @ 8:15 pm on 03.19.17.

Rotary Total Depth: 4707'  
 Log Total Depth: 4708'

Geologist: Larry Nicholson

**7:00 A.M. Depth: 4707' 7:00 A.M. Current Operation: TEAR DOWN**

Spud Date & Time:	03/09/17	03/10/17	03/11/17	03/12/17	03/13/17	03/14/17	03/15/17	03/16/17	03/17/17	03/18/17	03/19/17	Total
3/9/17 @ 6:00pm	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	
Total Depth (7:00am)	0	308	1736	2700	3332	3789	3995	4327	4373	4590	4707	
Daily Progress	308	1428	964	632	457	206	332	46	217	117		4707
Ft. Per Hr.	94.77	87.88	50.08	33.71	22.02	25.75	20.12	16.73	15.50	16.14	#DIV/0!	37.14
Current Operation (7:00am)	Rig Up	WOC	Drilling	Drilling	Trip in with Bit	Drilling	Trip out w/ DST #1	Drilling	Trip in w/DST #3	Drilling	Tear Down	
Formation	Surface	Shale	Shale	Shale/Sand	Shale	Lime/Shale	Lansing	Marmaton	Marmaton	Marmaton	Mississippi	
Fuel Used (32.4 Gal/Inch)	162.00	388.80	453.60	518.40	388.80	324.00	372.60	275.40	340.20	243.00	162.00	3628.80
Survey (degree & depth)	1° @ 308'						1° @ 3995'			1/2° @ 4707'		

Mud Cost	\$0.00	\$0.00	\$2,319.08	\$3,823.29	\$1,692.59	\$3,339.12	\$0.00	\$409.17	\$85.55	\$1,628.45	\$2,063.00	\$15,360.25
Weight (# / Gal)	-	-	9.4	9.4	8.6	8.6	8.9	9.2	9.4	7.0	9.4	
Vis (Funnel)	-	-	30	31	55	65	54	55	61	53	55	
Water Loss (cc)	-	-	-	-	6.8	6.4	6.4	7.2	9.6	8.0	9.0	

Bit #1												
Bit Make / Type	RR											
Bit Size	12 1/4											
Bit Hours	3.25											3.25
Bit #2												
Bit Make / Type	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P	Reed S-52 P
Bit Size	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8
Bit Hours	0.00	16.25	19.25	18.75	20.75	8.00	16.50	2.75	14.00	7.25	0.00	123.50
Bit Cumulative Hours	3.25	16.25	19.25	18.75	20.75	8.00	16.50	2.75	14.00	7.25	0.00	126.75
Weight on Bit (WOB)	15,000	18,000	30,000	30,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	
RPM	85	90	80	80	80	80	70	80	80	80	80	
Pump Pressure	750	1050	1150	1100	934	1000	1150	1100	1054	1100	1100	
Drilling (Rotating) Hours	3.25	16.25	19.25	18.75	20.75	8.00	16.50	2.75	14.00	7.25	0.00	126.75

Daywork Hrs. (Operator's time)												
Rat Hole (>.75 Hrs)												0.00
Wait on Cement												0.00
Weather												0.00
Short Trip												0.00
Trip						7.50	2.75	12.25	4.25	5.00		31.75
Circulate						3.75	2.25	4.25	1.50	3.75		15.50
Tool						0.50	0.50	1.50	0.50			3.00
Testing						3.00		3.00	2.50			8.50
Wait on Tester												0.00
Clean Floor after DST												0.00
Wait on Orders												0.00
Logging										3.75		3.75
Nipple Down / Jet Cellar											1.00	1.00
LDDP / LDDC										3.50		3.50
Run Casing / Circ / Cement	2.25										9.75	12.00
Set Slips											0.50	0.50
Lost Circulation (< 2 hrs)											1.75	1.75
Billable Hours	2.25	0.00	0.00	0.00	0.00	14.75	5.50	21.00	8.75	16.00	13.00	81.25

Non-Billable Hours (Southwind's time)												
Rig Up / Tear Down	10.50										10.25	20.75
Wait on Cement (NB)	5.75	2.25										8.00
Drill Rat Hole (<.75 hrs)	0.50											0.50
Time Change			1.00									1.00
Drill Cement		0.75										0.75
Circulate / Trip (Surface)	1.00			0.50								1.50
Rig Repair		0.50		0.75	0.25		0.50		0.50			2.50
Connections	0.75	3.00	1.50	1.25	0.75	0.50	0.75		0.50	0.25		9.25
Jet/Displace		1.00	1.50	0.75	1.25				0.25			4.75
Surveys										0.25		0.25
Rig Check		0.25	0.75	0.75	0.50	0.75	0.50	0.25		0.25		4.00
Trip Time (NB)							0.25					0.25
Circulate (NB)												0.00
Trip Time (plugged bit)												0.00
Lost Circulation (< 2 hrs)				1.25	0.50						0.25	2.00
Lay Down Kelly / MH & RH											0.50	0.50
Non-Billable Hrs.	18.50	7.75	4.75	5.25	3.25	1.25	2.00	0.25	1.25	0.75	11.00	56.00

Footage Cost	\$ 3,388.00	\$ 15,708.00	\$ 10,604.00	\$ 6,952.00	\$ 5,027.00	\$ 2,266.00	\$ 3,652.00	\$ 506.00	\$ 2,387.00	\$ 1,177.00	\$ -	\$ 51,667.00
Daywork Cost	\$ 753.75	\$ -	\$ -	\$ -	\$ -	\$ 4,941.25	\$ 1,842.50	\$ 7,035.00	\$ 2,931.25	\$ 5,360.00	\$ 4,355.00	\$ 27,218.75
Combined Est. Cost*	\$ 4,141.75	\$ 15,708.00	\$ 10,604.00	\$ 6,952.00	\$ 5,027.00	\$ 7,207.25	\$ 5,494.50	\$ 7,541.00	\$ 5,318.25	\$ 6,537.00	\$ 4,355.00	\$ 78,885.75

\*Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, etc)

<b>DST #1 Info -</b> Footage Interval: 3945' - 3995' Lansing "C-D" Recovery: 573' Muddy Cut Water	<b>DST #2 Info -</b> Footage Interval: 4312' - 4350' "Marmaton" Recovery: 950' Oil 414' Gas in Pipe
<b>DST #3 Info -</b> Footage Interval: 4352' - 4373' "Marmaton" Recovery: 139' Muddy Water	<b>DST #4 Info -</b> Footage Interval: Recovery:

Anhydrite @ 2356' - 2376'

Displaced @ 3378' - 3405'

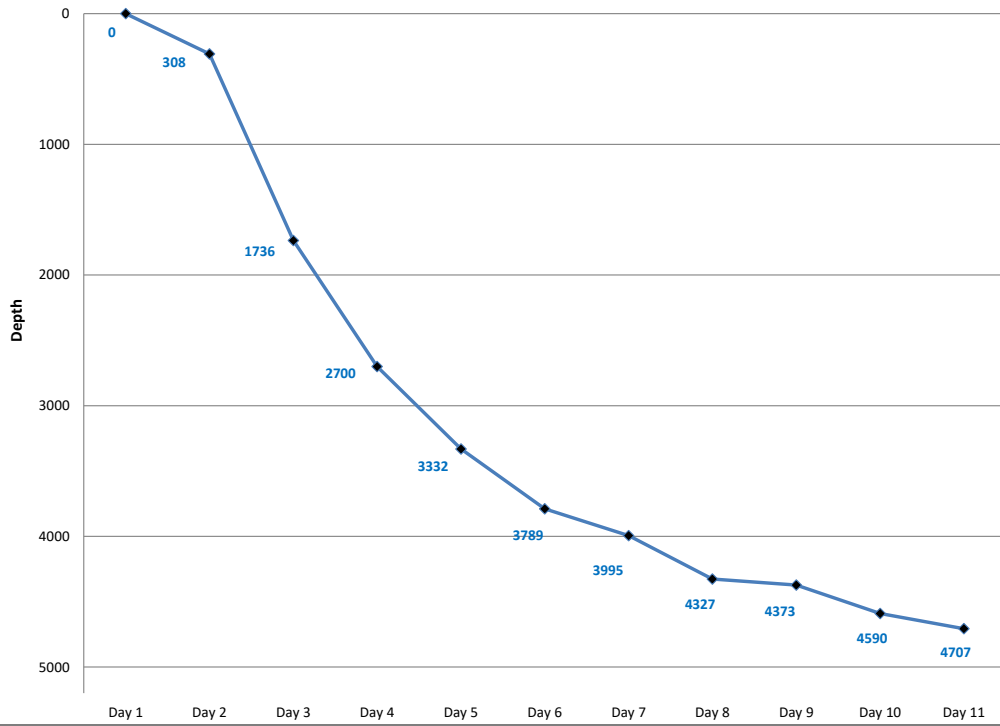


# Job Summary Graphical Report

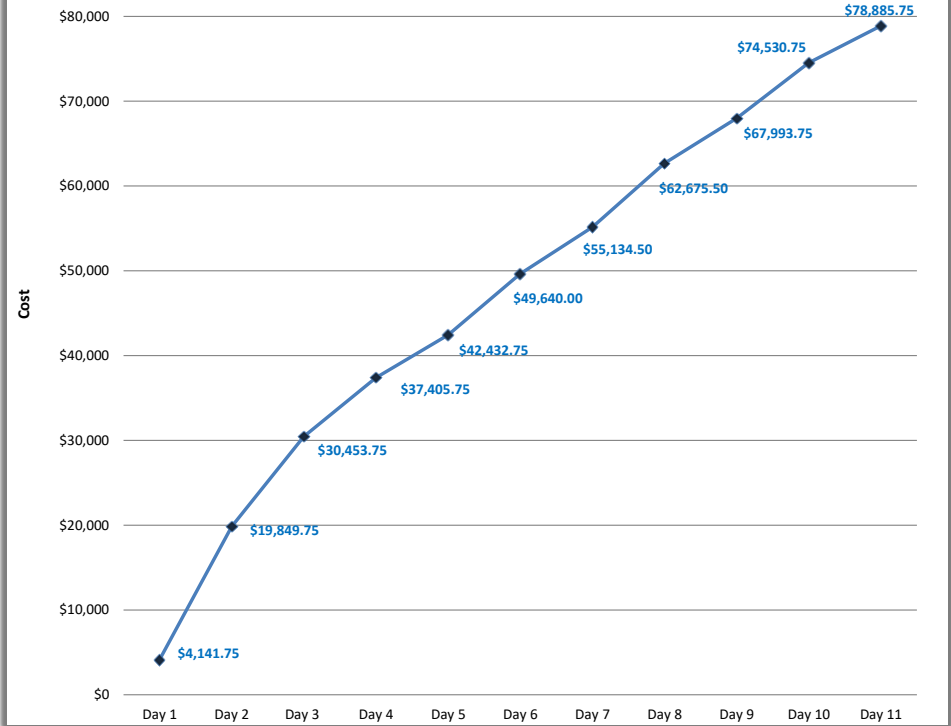
Southwind Rig No. 8

McDaniel #1-27

### Days vs Depth



### Days vs Cost



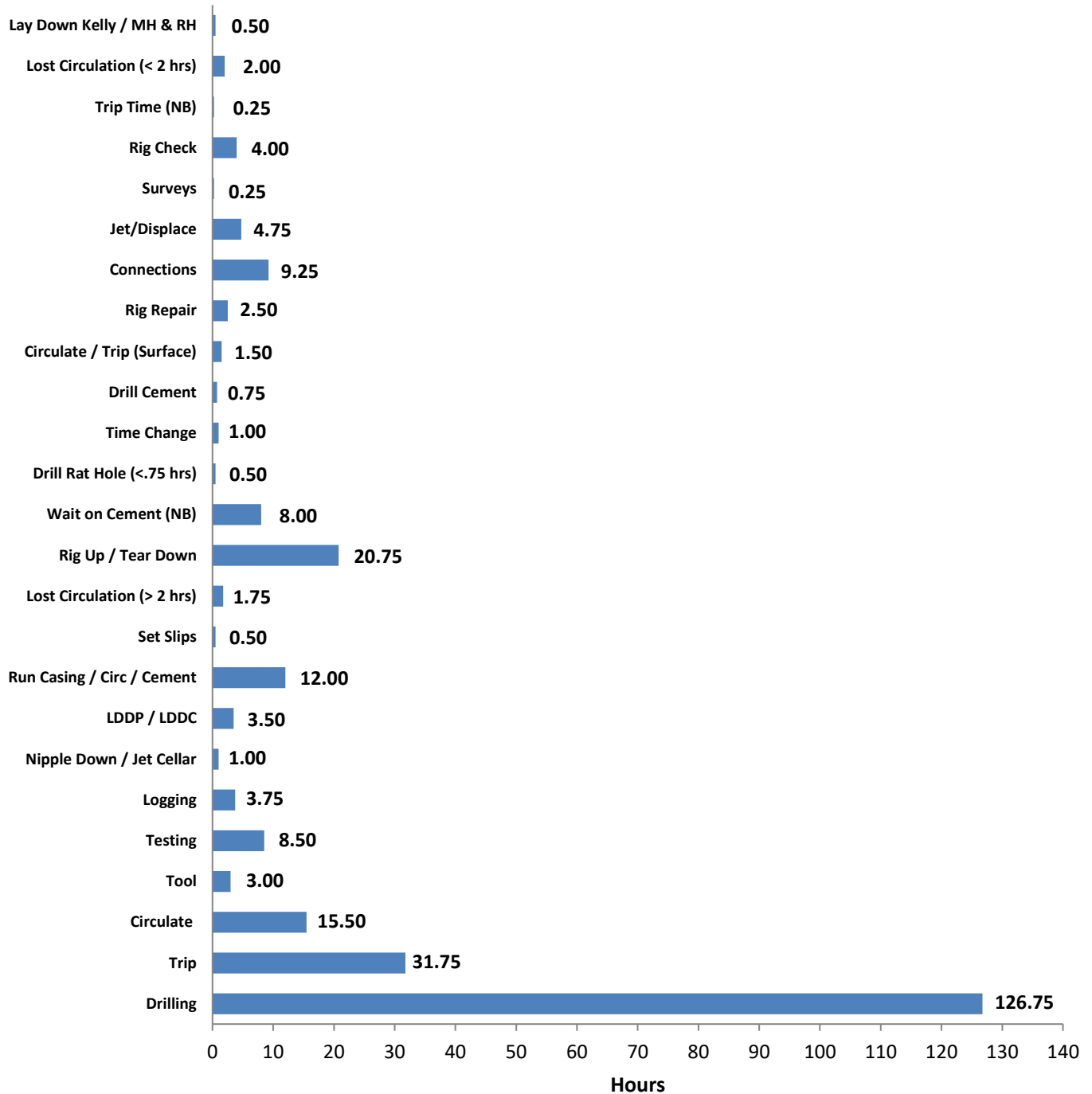


# Job Summary Graphical Report

Southwind Rig No. 8

McDaniel #1-27

## Hours per Operation



Billable Hours:	81.25
Non-Billable Hours:	56.00
Drilling Hours:	126.75
<b>Total Hours on Well:</b>	<b>264.00</b>