

KANSAS CORPORATION COMMISSION 1084178
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34344
Name: Culbreath Oil & Gas Company, Inc.
Address 1: 1532 S PEORIA AVE
Address 2: _____
City: TULSA State: OK Zip: 74120 + 6202
Contact Person: Billy Schmidt
Phone: (918) 749-3508
CONTRACTOR: License # 34233
Name: Maverick Drilling LLC
Wellsite Geologist: Pat Deenihan
Purchaser: Sunoco

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 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 ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

| 08/26/2011 | 09/03/2011 | 12/15/2011 |
|-----------------------------------|-----------------|-----------------------------------------|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-065-23768-00-00
Spot Description: SW NW SW
SW NW SW Sec. 8 Twp. 9 S. R. 24 East West
1650 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Graham
Lease Name: RONALD Well #: 1-8
Field Name: WC
Producing Formation: Lansing Kansas City
Elevation: Ground: 2441 Kelly Bushing: 2432
Total Depth: 4092 Plug Back Total Depth: 4092
Amount of Surface Pipe Set and Cemented at: 344 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2128 Feet
If Alternate II completion, cement circulated from: 2128
feet depth to: 0 w/ 405 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 800 ppm Fluid volume: 640 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: Pfeifer well service
Lease Name: Gardner License #: 33268
Quarter NW Sec. 6 Twp. 11 S. R. 24 East West
County: trego Permit #: D22-014

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

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Gantzer Date: 06/20/2012



1084178

Operator Name: Culbreath Oil & Gas Company, Inc. Lease Name: RONALD Well #: 1-8
 Sec. 8 Twp. 9 S. R. 24 East West County: Graham

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

| | | | | |
|---------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------|----------------------------------|---------------------------------|
| Drill Stem Tests Taken (Attach Additional Sheets) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | anhydrite | 2132 | 320 |
| Electric Log Run | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Base Anhy | 2168 | 284 |
| Electric Log Submitted Electronically (If no, Submit Copy) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Heebner | 3758 | 1306 |
| List All E. Logs Run: | | Toronto | 3782 | 1320 |
| CND, Dual Ind, Micro | | Lansing | 3798 | 1346 |
| | | BKC | 4020 | 1568 |

| CASING RECORD <input checked="" 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 |
| Surface Casing | 12.25 | 8.625 | 23 | 344 | Common | 200 | 3%cc, 2%get |
| Production | 7.875 | 5.5 | 17 | 4089 | Common | 175 | 10%Salt, 2%gel |
| Second Stage | 7.875 | 5.5 | 17 | 2128 | Lite | 405 | 1/4#flowseal/sk |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|---------------------------------------|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| ___ Perforate | | | | |
| ___ Protect Casing | | | | |
| ___ Plug Back TD | - | | | |
| ___ Plug Off Zone | - | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|
| 2 | 3937-40 | 2,000 gallons 15% NE/FE | |
| | | | |
| | | | |
| | | | |

| | | | | |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------|--------------------------------------------------------------------------------|
| TUBING RECORD: | Size: <u>2 7/8</u> | Set At: <u>4041</u> | Packer At: | Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Date of First, Resumed Production, SWD or ENHR. <u>12/19/2011</u> | Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____ | | | |
| Estimated Production Per 24 Hours | Oil Bbls. <u>15</u> | Gas Mcf | Water Bbls. <u>10</u> | Gas-Oil Ratio <u>32</u> |

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.) | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: <u>3937-40</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|

ALLIED CEMENTING CO., LLC. 038162

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell Ks.

| | | | | | | | |
|-------------------------|---------------|-------------------|------------------|---------------------------------------|-------------|-----------------------------|------------------------------|
| DATE <u>8/26/01</u> | SEC. <u>8</u> | TWP. <u>9 S</u> | RANGE <u>24W</u> | CALLED OUT | ON LOCATION | JOB START <u>4:00 AM</u> | JOB FINISH <u>4:30 AM</u> |
| LEASE <u>ROYALD</u> | | WELL # <u>1-8</u> | | LOCATION <u>Wafersky Ks. 15x8w 34</u> | | COUNTY <u>Graham</u> | STATE <u>KANSAS</u> |
| OLD OR NEW (Circle one) | | | | <u>34 W 1/4 N 17th</u> | | | |

CONTRACTOR AAVEACK DRILL Rig #100 OWNER _____
 TYPE OF JOB Cement SUREDAC
 HOLE SIZE 12 1/4 I.D. 345'
 CASING SIZE 8 5/8 DEPTH 344'
 TURNING SIZE New 24" Reg DEPTH _____
 DRILL PIPE DEPTH _____
 TOOL DEPTH _____
 PRES. MAX MINIMUM _____
 MEAS. LINE SHOE JOINT _____
 CEMENT LEFT IN CSG. 20'
 PERFS. _____
 DISPLACEMENT 20' @ 30'
 EQUIPMENT _____
 PUMP TRUCK CEMENTER Glenn
 # 47 HELPER Woody
 BULK TRUCK _____
 # 37A DRIVER Ray
 BULK TRUCK _____
 # DRIVER _____

CEMENT
 AMOUNT ORDERED 200 sq Conn.
3% CC
28 Gal.
 COMMON 200 @ 16.25 3250.00
 POZMTX _____ @ _____
 GEL 3 @ 21.25 63.75
 CHLORIDE 7 @ 58.20 407.40
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 2.10 @ 2.21 472.50
 MILEAGE 117.6 @ 15 1764.00
 TOTAL 5926.15

REMARKS:

Ray B 37A of New 24" # 8725342
Set @ 37' Received Circulation &
Cement w/ 100 sq Conn. 342' Release
Plug & Displace 20' 24" 30" 11" Shift
1" @ 350'
Cement did Circulate
To SUR FEEL
THANKS

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 1120.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 150 @ 7.00 1050.00
 MANIFOLD _____ @ _____
600 150 @ 4.00 600.00
 _____ @ _____

CHARGE TO: CURBERTH Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 2775.00

PLUG & FLOAT EQUIPMENT

85' WOODEN Plug @ _____ 64.00
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL 64.00

To Allied Cementing Co., I.L.C.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES 8765.15
 DISCOUNT 50% IF PAID IN 30 DAYS

PRINTED NAME Jeremy Stuckey
 SIGNATURE [Signature]

ALLIED CEMENTING CO., LLC. 038256

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

| | | | | | | | |
|--------------------------------|---------------|------------------|-----------------|-------------------------------------------|-------------|-----------------------------|------------------------------|
| DATE <u>9/4/11</u> | SEC. <u>8</u> | TWP <u>9</u> | RANGE <u>24</u> | CALLED OUT | ON LOCATION | JOB START <u>7:00 AM</u> | JOB FINISH <u>9:00 AM</u> |
| LEASE <u>Ronald</u> | | WELL# <u>1-8</u> | | LOCATION <u>Wakenney N 1/2 Eadline SW</u> | | COUNTY <u>Graham</u> | STATE <u>Ks.</u> |
| OLD OR <u>NEW</u> (Circle one) | | | | <u>3N 1 1/2 W N 1/4</u> | | | |

CONTRACTOR Maurick Drilling Ry #108 OWNER

| | |
|--------------------------------------|--------------------------|
| TYPE OF JOB <u>Production String</u> | |
| HOLE SIZE <u>7 1/2"</u> | T.D. <u>4094'</u> |
| CASING SIZE <u>5 1/2" 12#</u> | DEPTH <u>4089, 45'</u> |
| TUBING SIZE | DEPTH |
| DRILL PIPE | DEPTH |
| TOOL <u>OV Tool</u> | DEPTH <u>2157'</u> |
| PRES. MAX | MINIMUM |
| MEAS. LINE | SHOE JOINT <u>42.57'</u> |
| CEMENT LEFT IN CSG. <u>42.57'</u> | |
| PERFS. | |
| DISPLACEMENT <u>96.31661</u> | |

CEMENT

AMOUNT ORDERED 175 Gal 103 Salt 216
450 Cite 4/4 & F.
500 Gal WFR-2

| | | | | |
|-----------------|-------------------|---|--------------|-----------------|
| COMMON | <u>175</u> | @ | <u>16.25</u> | <u>2843.75</u> |
| POZMIX | | @ | | |
| GEL | <u>3</u> | @ | <u>21.25</u> | <u>63.75</u> |
| CHLORIDE | | @ | | |
| ASC | | @ | | |
| <u>Cite</u> | <u>450</u> | @ | <u>14.50</u> | <u>6525.00</u> |
| <u>Flo Seal</u> | <u>112 gal</u> | @ | <u>2.70</u> | <u>302.40</u> |
| <u>Salt</u> | <u>15</u> | @ | <u>23.95</u> | <u>359.25</u> |
| <u>WFR-2</u> | <u>500 Gal</u> | @ | <u>1.10</u> | <u>550.00</u> |
| HANDLING | <u>843</u> | @ | <u>2.25</u> | <u>1896.75</u> |
| MILEAGE | <u>1415 miles</u> | | | <u>5304.75</u> |
| TOTAL | | | | <u>17395.60</u> |

EQUIPMENT

| | | |
|--------------|----------|---------------------|
| PUMP TRUCK | CEMENTER | <u>Shane, Heath</u> |
| # <u>409</u> | HELPER | <u>Tom</u> |
| BULK TRUCK | | |
| # <u>341</u> | DRIVER | <u>Tony</u> |
| BULK TRUCK | | |
| # <u>473</u> | DRIVER | <u>Cody H.</u> |

REMARKS:

Rot Hic 30kz Mowc Hole 15 skt.
Inject 4046.88, Est Circulation
Mixed 500 Gal (WFR) Mixed 175 skt
down 5% Shutfor Washed pump &
Lines. Displaced 36 bbls
Water 54 bbl Mud 6031 bbl Water Landel
Mg @ 1500 psi Released Dinged up.
Opened OV Tool @ 1000 psi Mixed
skt to Circulate Cement
Closed OV Tool 1800 psi.

CHARGE TO: Culbreath Oil
STREET 1532 S Peoria AVE.
CITY Tulsa STATE OK ZIP 74120

Thanks!

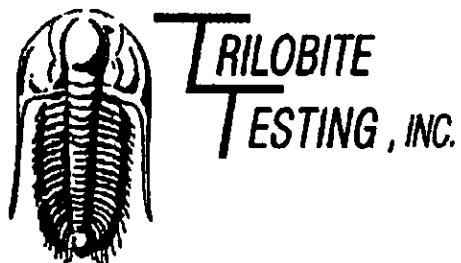
To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

SERVICE

| | | | | |
|-------------------|------------|---|----------------------------|----------------|
| DEPTH OF JOB | | | | |
| PUMP TRUCK CHARGE | | | <u>2225.00</u> | |
| EXTRA FOOTAGE | @ | | | |
| MILEAGE | <u>150</u> | @ | <u>7.00</u> <u>1050.00</u> | |
| MANIFOLD | @ | | | |
| <u>Gun</u> | <u>150</u> | @ | <u>4.00</u> <u>600.00</u> | |
| TOTAL | | | | <u>3875.00</u> |

PLUG & FLOAT EQUIPMENT

| | | | |
|-----------------------------|---|--------------|----------------|
| <u>OV Tool</u> | @ | | <u>2605.00</u> |
| <u>R 24 Recip Scrappers</u> | @ | <u>83.00</u> | <u>1992.00</u> |
| <u>R 8 Centralizers</u> | @ | <u>34.00</u> | <u>272.00</u> |
| <u>APU - Float Shoe</u> | @ | | <u>245.00</u> |



DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas Company**

1532 S. Peoria Avenue
Tulsa, OK 74120

ATTN: Pat Deenihan

8-9s-24w Graham,KS

Ronald #1-8

Start Date: 2011.08.30 @ 18:57:49

End Date: 2011.08.31 @ 02:20:04

Job Ticket #: 43571 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Culbreath Oil & Gas Company

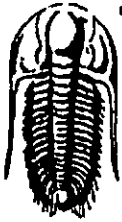
Ronald #1-8

8-9s-24w Graham,KS

DST # 1

B-D

2011.08.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Outbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43571 DST#: 1

ATTN: Pat Deenihan

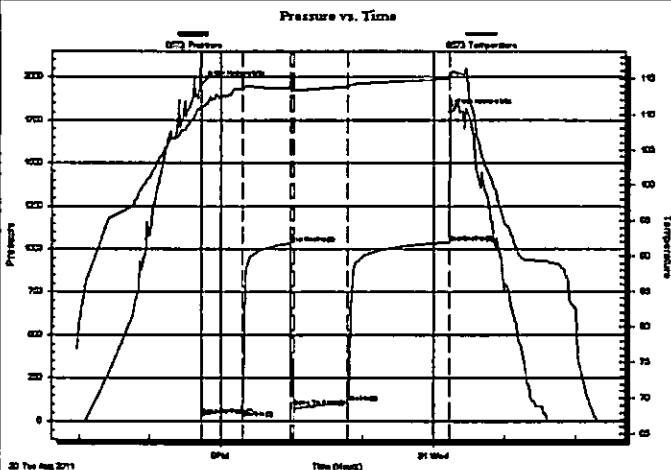
Test Start: 2011.08.30 @ 18:57:49

GENERAL INFORMATION:

Formation: **B-D**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **20:43:49**
 Tester: **Jason McLemore**
 Time Test Ended: **02:20:04**
 Unit No: **54**
 Interval: **3813.00 ft (KB) To 3865.00 ft (KB) (TVD)**
 Reference Elevations: **2452.00 ft (KB)**
 Total Depth: **3865.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 KB to GR/CF: **8.00 ft**

Serial #: 8673 **Inside**
 Press@RunDepth: **110.40 psig @ 3849.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.08.30** End Date: **2011.08.31** Last Calib.: **2011.08.31**
 Start Time: **18:57:51** End Time: **02:20:04** Time On Btm: **2011.08.30 @ 20:43:34**
 Time Off Btm: **2011.08.31 @ 00:13:49**

TEST COMMENT: IFF-Weak Blow ,Built to 3-1/4"
 ISI-Dead
 FFP-Weak Blow ,Built to 3"
 FSI-Dead



PRESSURE SUMMARY

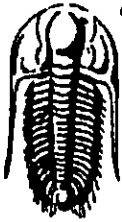
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1956.18 | 111.15 | Initial Hydro-static |
| 1 | 35.20 | 110.45 | Open To Flow (1) |
| 35 | 68.46 | 113.47 | Shut-In(1) |
| 75 | 1034.41 | 113.76 | End Shut-In(1) |
| 78 | 80.45 | 113.32 | Open To Flow (2) |
| 124 | 110.40 | 113.87 | Shut-In(2) |
| 210 | 1040.32 | 115.01 | End Shut-In(2) |
| 211 | 1799.41 | 115.26 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------|--------------|
| 160.00 | VSOCMA-1%O-49%VV-50%M | 2.24 |
| 5.00 | Free Oil | 0.07 |
| | | |
| | | |
| | | |

Gas Rates

| Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43571

DST#: 1

ATTN: Pat Deenihan

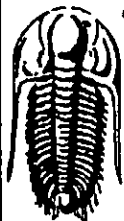
Test Start: 2011.08.30 @ 18:57:49

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3802.00 ft | Diameter: 3.80 inches | Volume: 53.33 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 53.33 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 17.00 ft | | | String Weight: Initial 56000.00 lb |
| Depth to Top Packer: | 3813.00 ft | | | Final 61000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 52.00 ft | | | |
| Tool Length: | 80.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3786.00 | |
| Shut in Tool | 5.00 | | | 3791.00 | |
| Hydraulic tool | 5.00 | | | 3796.00 | |
| Jars | 5.00 | | | 3801.00 | |
| Safety Joint | 2.00 | | | 3803.00 | |
| Packer | 5.00 | | | 3808.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3813.00 | |
| Stubb | 1.00 | | | 3814.00 | |
| Perforations | 2.00 | | | 3816.00 | |
| Change Over Sub | 1.00 | | | 3817.00 | |
| Blank Spacing | 31.00 | | | 3848.00 | |
| Change Over Sub | 1.00 | | | 3849.00 | |
| Recorder | 0.00 | 8673 | Inside | 3849.00 | |
| Recorder | 0.00 | 6755 | Outside | 3849.00 | |
| Perforations | 13.00 | | | 3862.00 | |
| Bullnose | 3.00 | | | 3865.00 | 52.00 Bottom Packers & Anchor |
| Total Tool Length: | 80.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43571

DST#: 1

ATTN: Pat Deenihan

Test Start: 2011.08.30 @ 18:57:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

49000 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|----------------------|----------------|
| 160.00 | VSOCMM-1%O-49%W-50%M | 2.244 |
| 5.00 | Free Oil | 0.070 |

Total Length: 165.00 ft

Total Volume: 2.314 bbl

Num Fluid Samples: 0

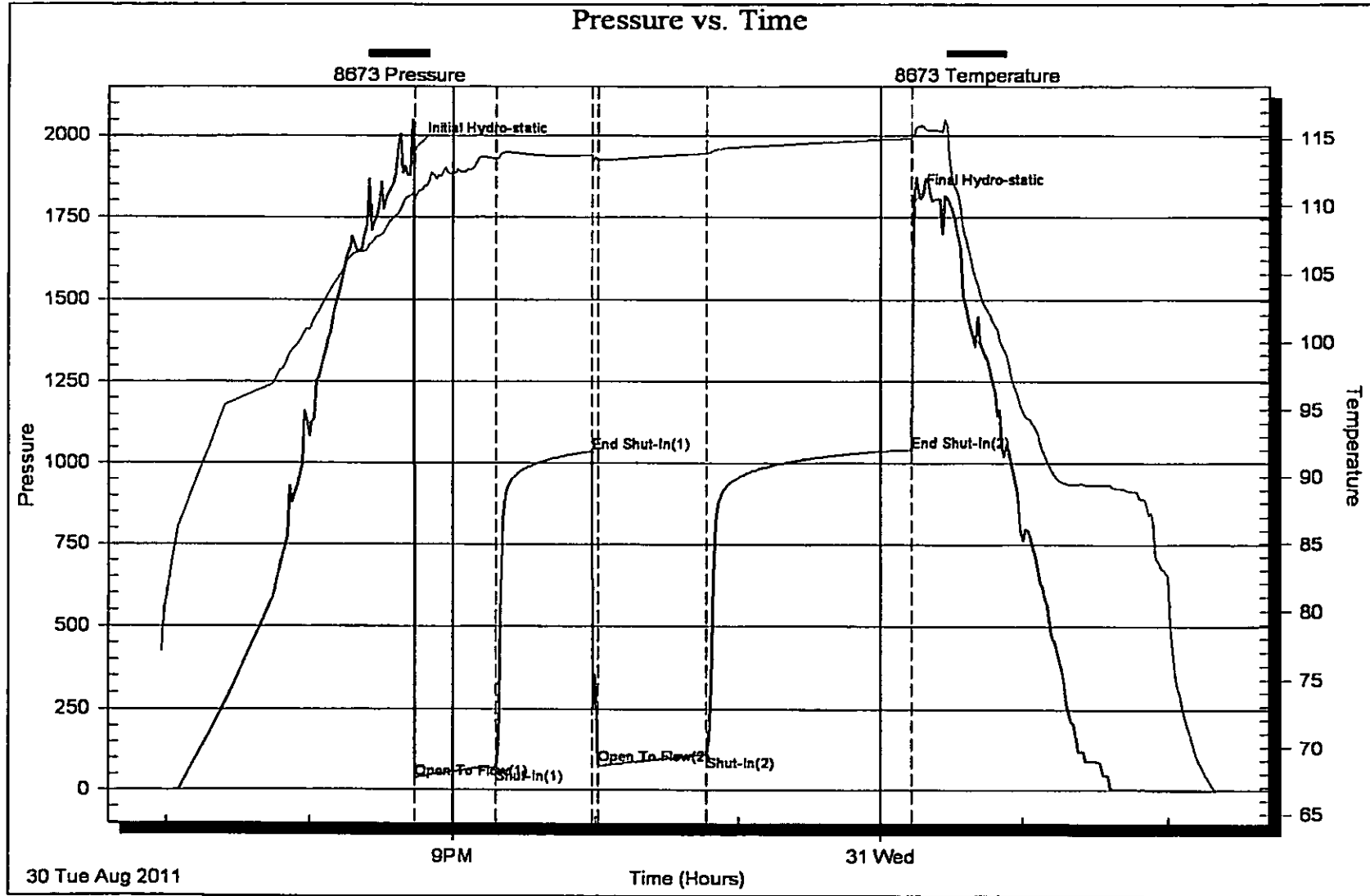
Num Gas Bombs: 0

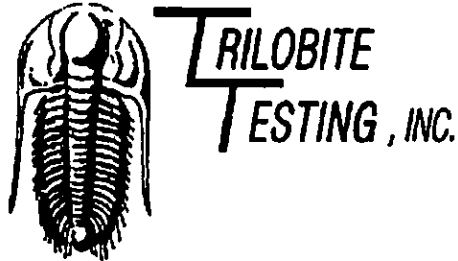
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas Company**

1532 S. Peoria Avenue
Tulsa, OK 74120

ATTN: Pat Deenihan

8-9s-24w Graham,KS

Ronald #1-8

Start Date: 2011.08.31 @ 17:50:46

End Date: 2011.09.01 @ 02:56:01

Job Ticket #: 43572 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Culbreath Oil & Gas Company

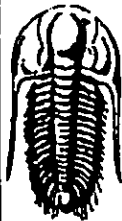
Ronald #1-8

8-9s-24w Graham,KS

DST # 2

H

2011.08.31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Outbreath Oil & Gas Company

1532 S. Peoria Avenue
Tulsa, OK 74120

ATTN: Pat Deenihan

Ronald #1-8

8-9s-24w Graham, KS

Job Ticket: 43572 DST#: 2

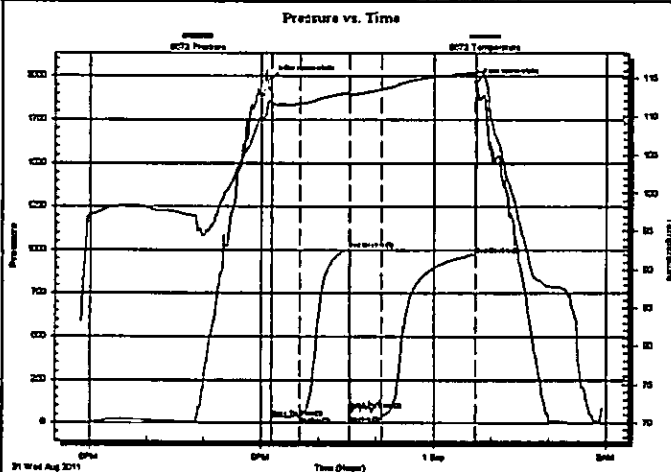
Test Start: 2011.08.31 @ 17:50:46

GENERAL INFORMATION:

Formation: H
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 21:11:01
 Time Test Ended: 02:56:01
 Interval: 3897.00 ft (KB) To 3950.00 ft (KB) (TVD)
 Total Depth: 3950.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2452.00 ft (KB)
 2444.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8673 Inside
 Press@RunDepth: 43.33 psig @ 3934.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.08.31 End Date: 2011.09.01 Last Calib.: 2011.09.01
 Start Time: 17:50:48 End Time: 02:56:01 Time On Btm: 2011.08.31 @ 21:10:46
 Time Off Btm: 2011.09.01 @ 00:44:31

TEST COMMENT: IFF-Weak Blow, Built to 3"
 IS-Dead
 FFF-Weak, Built to 1-1/4"
 FS-Dead



PRESSURE SUMMARY

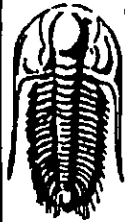
| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
|------------|-----------------|--------------|----------------------|
| 0 | 1985.56 | 112.05 | Initial Hydro-static |
| 1 | 35.17 | 110.77 | Open To Flow (1) |
| 30 | 39.52 | 111.63 | Shut-In(1) |
| 82 | 1005.28 | 113.05 | End Shut-In(1) |
| 82 | 74.98 | 112.64 | Open To Flow (2) |
| 115 | 43.33 | 113.47 | Shut-In(2) |
| 214 | 972.78 | 115.64 | End Shut-In(2) |
| 214 | 1969.91 | 115.97 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 45.00 | VSOCM-2%O-98%M | 0.63 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Oulbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

ATTN: Pat Deenihan

Job Ticket: 43572

DST#: 2

Test Start: 2011.08.31 @ 17:50:46

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe: | Length: 3897.00 ft | Diameter: 3.80 inches | Volume: 54.66 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pul Loose: 60000.00 lb |
| | | | Total Volume: 54.66 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 23.00 ft | | | String Weight: Initial 57000.00 lb |
| Depth to Top Packer: | 3897.00 ft | | | Final 57000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 53.00 ft | | | |
| Tool Length: | 76.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3875.00 | |
| Shut In Tool | 5.00 | | | 3880.00 | |
| Hydraulic tool | 5.00 | | | 3885.00 | |
| Safety Joint | 2.00 | | | 3887.00 | |
| Packer | 5.00 | | | 3892.00 | 23.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3897.00 | |
| Stub | 1.00 | | | 3898.00 | |
| Perforations | 3.00 | | | 3901.00 | |
| Change Over Sub | 1.00 | | | 3902.00 | |
| Blank Spacing | 31.00 | | | 3933.00 | |
| Change Over Sub | 1.00 | | | 3934.00 | |
| Recorder | 0.00 | 8673 | Inside | 3934.00 | |
| Recorder | 0.00 | 6755 | Outside | 3934.00 | |
| Perforations | 13.00 | | | 3947.00 | |
| Bulnouse | 3.00 | | | 3950.00 | 53.00 Bottom Packers & Anchor |

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Outbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43572 DST#: 2

ATTN: Pat Deenihan

Test Start: 2011.08.31 @ 17:50:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Satfnty:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 45.00 | VSCOM-2%O-98%M | 0.631 |

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

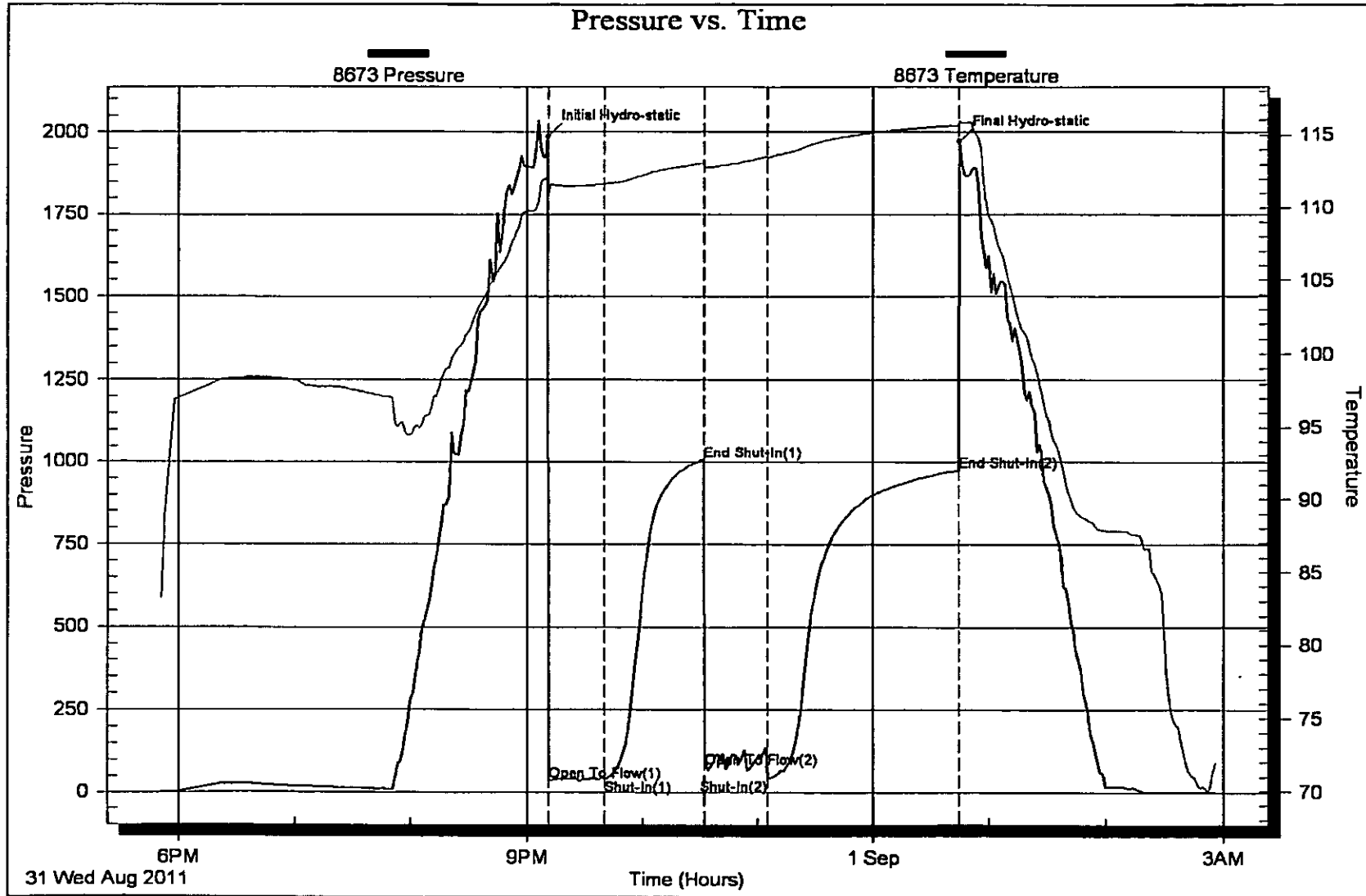
Num Gas Bombs: 0

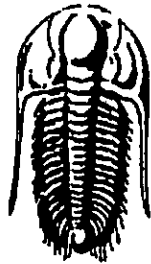
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas Company**

1532 S. Peoria Avenue
Tulsa, OK 74120

ATTN: Pat Deenihan

8-9s-24w Graham,KS

Ronald #1-8

Start Date: 2011.09.01 @ 12:04:23

End Date: 2011.09.01 @ 19:39:38

Job Ticket #: 43573 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Culbreath Oil & Gas Company

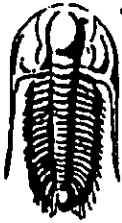
Ronald #1-8

8-9s-24w Graham,KS

DST # 3

1-1

2011.09.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Culbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43573 DST#: 3

ATTN: Pat Deenihan

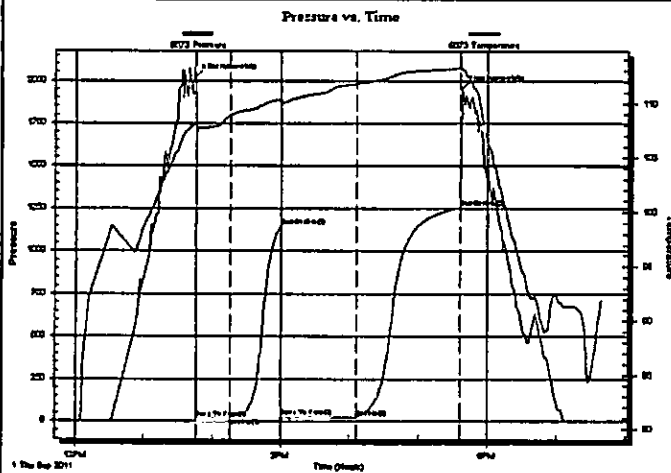
Test Start: 2011.09.01 @ 12:04:23

GENERAL INFORMATION:

Formation: I-J
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 13:44:38
 Time Test Ended: 19:39:38
 Interval: 3948.00 ft (KB) To 3978.00 ft (KB) (TVD)
 Total Depth: 3978.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2452.00 ft (KB)
 2444.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8673 Inside
 Press@RunDepth: 24.57 psig @ 3952.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.01 End Date: 2011.09.01 Last Calib.: 2011.09.01
 Start Time: 12:04:25 End Time: 19:39:38 Time On Btm: 2011.09.01 @ 13:44:08
 Time Off Btm: 2011.09.01 @ 17:37:23

TEST COMMENT: IFR-Weak Blow, Built to 2-1/8"
 ISI-Dead
 FFR-Weak Blow Started at 1-1/4", Built to 4-1/2"
 FSI-Dead



PRESSURE SUMMARY

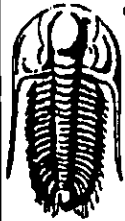
| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
|------------|-----------------|--------------|----------------------|
| 0 | 2021.81 | 108.18 | Initial Hydro-static |
| 1 | 16.72 | 106.88 | Open To Flow (1) |
| 31 | 17.62 | 108.92 | Shut-In(1) |
| 76 | 1148.49 | 110.35 | End Shut-In(1) |
| 77 | 28.06 | 109.84 | Open To Flow (2) |
| 143 | 24.57 | 111.81 | Shut-In(2) |
| 232 | 1255.80 | 113.28 | End Shut-In(2) |
| 234 | 1954.67 | 113.25 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------|--------------|
| 20.00 | MCO-45%O-55%M | 0.28 |
| 5.00 | Free Oil | 0.07 |
| 0.00 | 120' Gas In Pipe | 0.00 |
| | | |
| | | |

Gas Rates

| | Choke (Inches) | Pressure (psig) | Gas Rate (Mcfd) |
|--|----------------|-----------------|-----------------|
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Oilbreath Oil & Gas Company

Ronald #1-8

1532 S. Feoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43573

DST#: 3

ATTN: Pat Deenihan

Test Start: 2011.09.01 @ 12:04:23

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3929.00 ft | Diameter: 3.80 inches | Volume: 55.11 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 60000.00 lb |
| | | | <u>Total Volume: 55.11 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 4.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3948.00 ft | | | Final 59000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 30.00 ft | | | |
| Tool Length: | 53.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3926.00 | |
| Shut In Tool | 5.00 | | | 3931.00 | |
| Hydraulic tool | 5.00 | | | 3936.00 | |
| Safety Joint | 2.00 | | | 3938.00 | |
| Packer | 5.00 | | | 3943.00 | 23.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3948.00 | |
| Stubb | 1.00 | | | 3949.00 | |
| Perforations | 3.00 | | | 3952.00 | |
| Recorder | 0.00 | 8673 | Inside | 3952.00 | |
| Recorder | 0.00 | 6755 | Outside | 3952.00 | |
| Perforations | 23.00 | | | 3975.00 | |
| Bullnose | 3.00 | | | 3978.00 | 30.00 Bottom Packers & Anchor |

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Outbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43573

DST#: 3

ATTN: Pat Deenihan

Test Start: 2011.09.01 @ 12:04:23

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|------------------|----------------|
| 20.00 | MCO-45%O-55%M | 0.281 |
| 5.00 | Free Oil | 0.070 |
| 0.00 | 120' Gas In Pipe | 0.000 |

Total Length: 25.00 ft

Total Volume: 0.351 bbl

Num Fluid Samples: 0

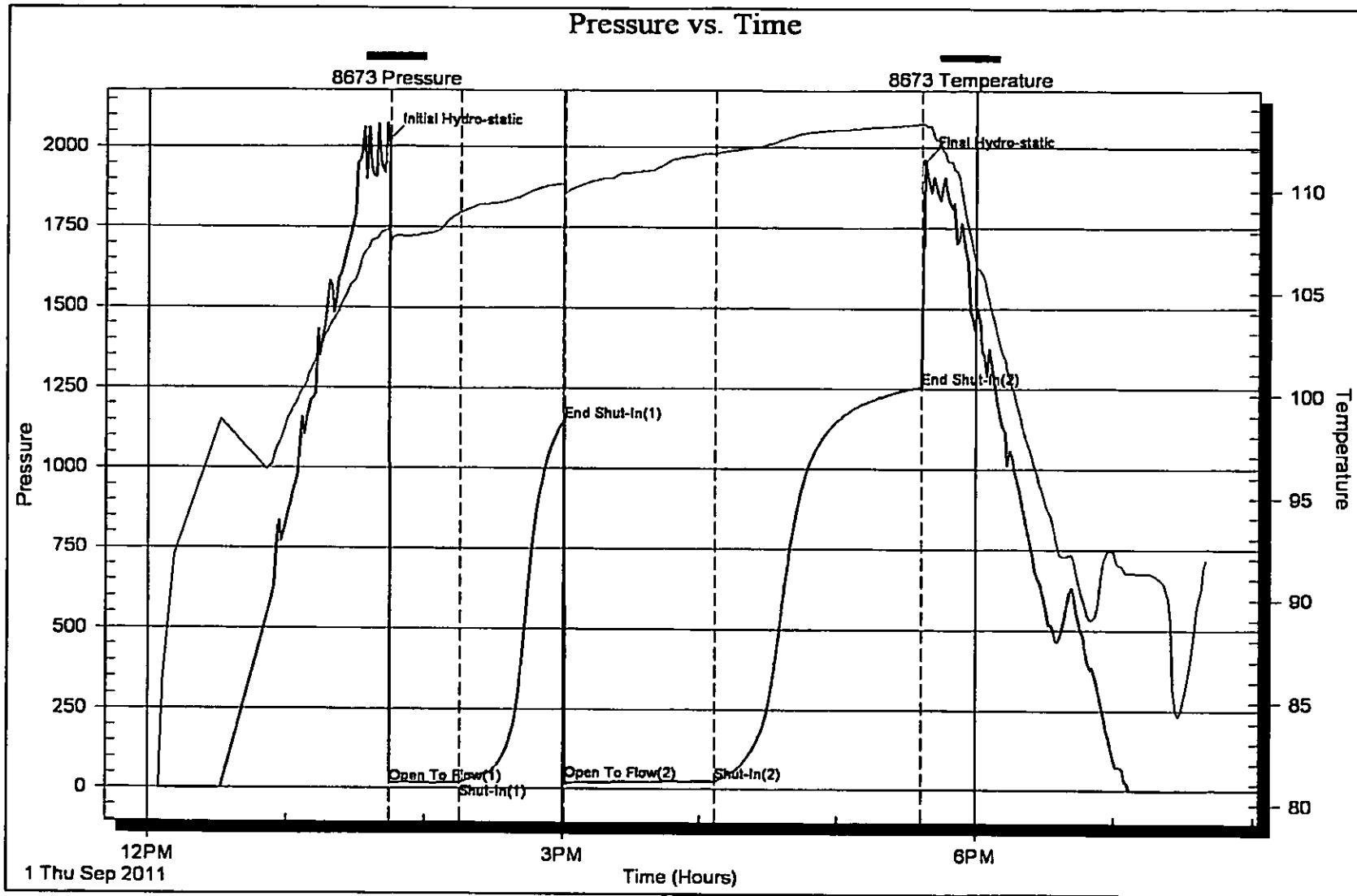
Num Gas Bombs: 0

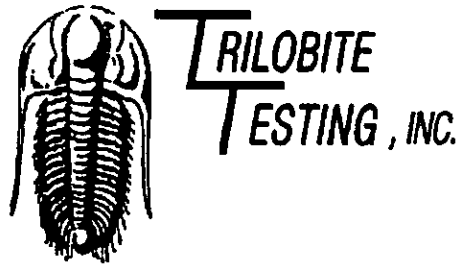
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas Company**

1532 S. Peoria Avenue
Tulsa, OK 74120

ATTN: Pat Deenihan

8-9s-24w Graham,KS

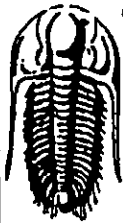
Ronald #1-8

Start Date: 2011.09.02 @ 03:37:56

End Date: 2011.09.02 @ 12:07:41

Job Ticket #: 43574 DST #: 4

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Culbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43574

DST#: 4

ATTN: Pat Deenihan

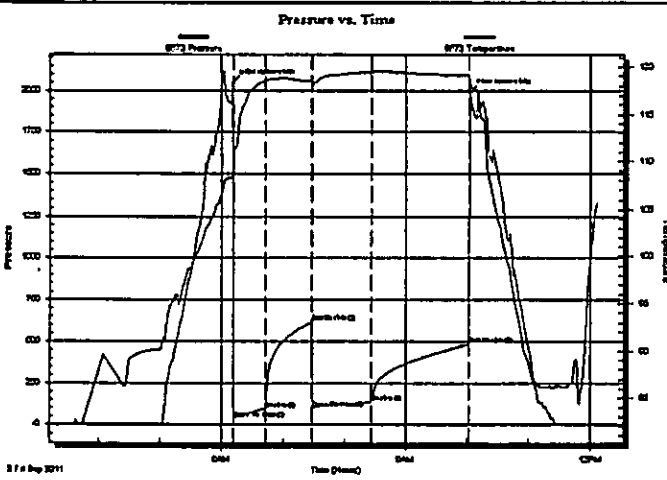
Test Start: 2011.09.02 @ 03:37:56

GENERAL INFORMATION:

Formation: K
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:11:11
 Time Test Ended: 12:07:41
 Interval: 3978.00 ft (KB) To 4000.00 ft (KB) (TVD)
 Total Depth: 4000.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2452.00 ft (KB)
 2444.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8673 Inside
 Press@RunDepth: 135.53 psig @ 3992.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.02 End Date: 2011.09.02 Last Calib.: 2011.09.02
 Start Time: 03:37:58 End Time: 12:07:41 Time On Btm: 2011.09.02 @ 06:10:56
 Time Off Btm: 2011.09.02 @ 10:02:56

TEST COMMENT: IFF-Good Blow ,BOB in 8 Mn.
 ISI-Dead
 FFF-Fair Blow ,Built to 6"
 FSI-Dead



PRESSURE SUMMARY

| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
|------------|-----------------|--------------|----------------------|
| 0 | 2047.11 | 108.26 | Initial Hydro-static |
| 1 | 34.42 | 106.85 | Open To Flow (1) |
| 32 | 91.50 | 118.57 | Shut-In(1) |
| 77 | 614.16 | 118.53 | End Shut-In(1) |
| 78 | 96.08 | 118.26 | Open To Flow (2) |
| 136 | 135.53 | 119.46 | Shut-In(2) |
| 231 | 486.48 | 119.12 | End Shut-In(2) |
| 232 | 1993.92 | 118.55 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 60.00 | VSOOMW-1%O-94%W-5%M | 0.84 |
| 120.00 | OOW-15%O-20%W-65%M | 1.68 |
| 75.00 | MWCO-55%O-10%W-35%M | 1.05 |
| 0.00 | 120' Gas In Pipe | 0.00 |

Gas Rates

| Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cubbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43574

DST#: 4

ATTN: Pat Deenihan

Test Start: 2011.09.02 @ 03:37:56

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3968.00 ft | Diameter: 3.80 inches | Volume: 55.66 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 62000.00 lb |
| | | | <u>Total Volume: 55.66 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 3.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3988.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 22.00 ft | | | |
| Tool Length: | 45.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

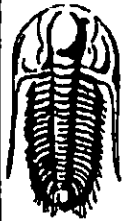
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3966.00 | |
| Shut in Tool | 5.00 | | | 3971.00 | |
| Hydraulic tool | 5.00 | | | 3976.00 | |
| Safety Joint | 2.00 | | | 3978.00 | |
| Packer | 5.00 | | | 3983.00 | 23.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3988.00 | |
| Stubb | 1.00 | | | 3989.00 | |
| Perforations | 3.00 | | | 3992.00 | |
| Recorder | 0.00 | 8673 | Inside | 3992.00 | |
| Recorder | 0.00 | 6755 | Outside | 3992.00 | |
| Perforations | 15.00 | | | 4007.00 | |
| Bullnose | 3.00 | | | 4010.00 | 22.00 Bottom Packers & Anchor |

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Outbreath Oil & Gas Company

Ronald #1-8

1532 S. Peoria Avenue
Tulsa, OK 74120

8-9s-24w Graham,KS

Job Ticket: 43574

DST#: 4

ATTN: Pat Deenihan

Test Start: 2011.09.02 @ 03:37:56

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31500 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------|---------------|
| 60.00 | VSOQMW-1%O-94%W-5%M | 0.842 |
| 120.00 | COQMW-15%O-20%W-65%M | 1.683 |
| 75.00 | MWCO-55%O-10%W-35%M | 1.052 |
| 0.00 | 120' Gas In Pipe | 0.000 |

Total Length: 255.00ft

Total Volume: 3.577 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

