



KANSAS CORPORATION COMMISSION 1085073
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 # 30717
Name: Downing-Nelson Oil Co Inc
Address 1: PO BOX 1019
Address 2: _____
City: HAYS State: KS Zip: 67601 + _____
Contact Person: Ron Nelson
Phone: (785) 621-2610
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Jason Alm
Purchaser: Coffeyviller Resources

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 #: _____

| | | |
|-----------------------------------|-------------------|---|
| <u>06/14/2012</u> | <u>06/20/2012</u> | <u>06/21/2012</u> |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-165-21982-00-00
Spot Description: _____
NW NE SW SE Sec. 3 Twp. 18 S. R. 18 East West
1240 Feet from North / South Line of Section
1860 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rush
Lease Name: Erbes Trust Well #: 1-3
Field Name: LaCrosse East
Producing Formation: Arbuckle
Elevation: Ground: 2067 Kelly Bushing: 2075
Total Depth: 3910 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1234 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
(Date must be collected from the Reserve Pit)
Chloride content: 19000 ppm Fluid volume: 1200 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Blackhawk Production Company
Lease Name: Brull License #: 32504
Quarter NW Sec. 30 Twp. 14 S. R. 18 East West
County: Ellis Permit #: D26232

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 Garfior Date: 09/17/2012



1085073

Operator Name: Downing-Nelson Oil Co Inc Lease Name: Erbes Trust Well #: 1-3
 Sec. 3 Twp. 18 S. R. 18 East West County: Rush

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 Wire-line Logs surveyed. Attach final geological well site report.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------|-----|-------|---------------|-------|------|----------------|-------|------|---------|-------|-------|---------|-------|-------|-----|-------|-------|-----|-------|-------|----------|-------|-------|
| Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: <small>Micro Dual Induction Compensated Neutron Density</small> | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Top Anhydrite</td> <td>1224'</td> <td>+852</td> </tr> <tr> <td>Base Anhydrite</td> <td>1256'</td> <td>+820</td> </tr> <tr> <td>Heebner</td> <td>3406'</td> <td>-1330</td> </tr> <tr> <td>Toronto</td> <td>3424'</td> <td>-1348</td> </tr> <tr> <td>LKC</td> <td>3458'</td> <td>-1382</td> </tr> <tr> <td>BKC</td> <td>3727'</td> <td>-1651</td> </tr> <tr> <td>Arbuckle</td> <td>3822'</td> <td>-1746</td> </tr> </table> | Name | Top | Datum | Top Anhydrite | 1224' | +852 | Base Anhydrite | 1256' | +820 | Heebner | 3406' | -1330 | Toronto | 3424' | -1348 | LKC | 3458' | -1382 | BKC | 3727' | -1651 | Arbuckle | 3822' | -1746 |
| Name | Top | Datum | | | | | | | | | | | | | | | | | | | | | | | |
| Top Anhydrite | 1224' | +852 | | | | | | | | | | | | | | | | | | | | | | | |
| Base Anhydrite | 1256' | +820 | | | | | | | | | | | | | | | | | | | | | | | |
| Heebner | 3406' | -1330 | | | | | | | | | | | | | | | | | | | | | | | |
| Toronto | 3424' | -1348 | | | | | | | | | | | | | | | | | | | | | | | |
| LKC | 3458' | -1382 | | | | | | | | | | | | | | | | | | | | | | | |
| BKC | 3727' | -1651 | | | | | | | | | | | | | | | | | | | | | | | |
| Arbuckle | 3822' | -1746 | | | | | | | | | | | | | | | | | | | | | | | |

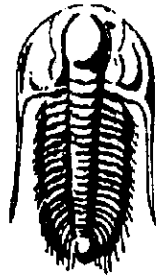
| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, 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 Pipe | 12.25 | 8.625 | 23 | 1234 | Common | 450 | 2% Gel & 3% CC |
| Production String | 7.875 | 5.5 | 14 | 3908.45 | EA/2 | 125 | |
| | | | | | | | |

| 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 <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| 4 | 3830' to 3832' | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|------------------------|--|-------------------------|
| TUBING RECORD: Size: <u>2.375</u> Set At: <u>3846.73</u> Packer At: _____ | | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Date of First, Resumed Production, SWD or ENHR. <u>07/19/2012</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>34</u> | Gas Mcf <u>0</u> | Water Bbls. <u>4</u> |
| 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dual Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|---|--|--|



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Erbes Trust #1-3

3-18s-18w Rush,KS

Start Date: 2012.06.20 @ 01:31:05

End Date: 2012.06.20 @ 09:57:39

Job Ticket #: 47880 DST #: 1

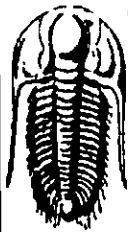
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.06.25 @ 16:13:31

Downing-Nelson Oil Co
3-18s-18w Rush,KS
Erbes Trust #1-3
DST # 1
Arbuckle
2012.06.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing-Nelson Oil Co

3-18s-18w Rush,KS

PO Box 1019
Hays KS 67601

Erbes Trust #1-3

Job Ticket: 47880

DST#: 1

ATTN: Marc Downing

Test Start: 2012.06.20 @ 01:31:05

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 03:38:30

Time Test Ended: 09:57:39

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Andy Carreira**

Unit No: **39**

Interval: **3793.00 ft (KB) To 3840.00 ft (KB) (TVD)**

Total Depth: **3840.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2075.00 ft (KB)**

2067.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: **8372** Outside

Press@RunDepth: **685.91 psig @ 3800.00 ft (KB)**

Start Date: **2012.06.20**

End Date:

2012.06.20

Start Time: **01:31:05**

End Time:

09:57:40

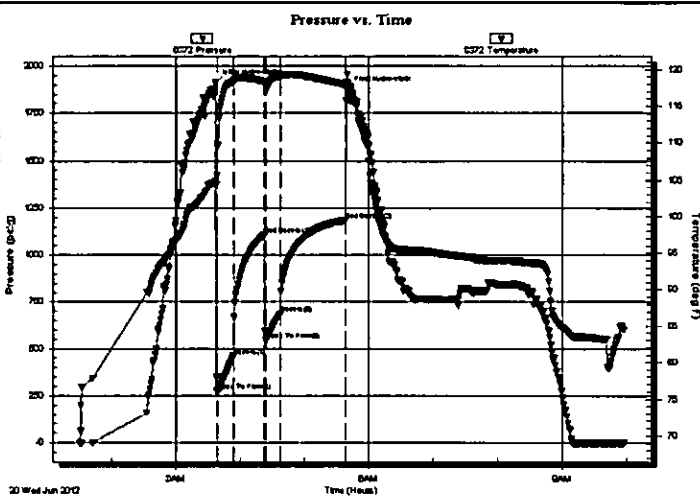
Capacity: **8000.00 psig**

Last Calib.: **2012.06.20**

Time On Btm: **2012.06.20 @ 03:37:00**

Time Off Btm: **2012.06.20 @ 05:40:00**

TEST COMMENT: IF:(15min) BOB, 30 sec.
ISt:(30min) Return Blow, Built to 2". Died in 23 min.
FF:(15min) BOB, 30 sec.
FSt:(60min) Return Blow, Built to 2". Died in 19 min.



PRESSURE SUMMARY

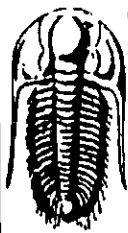
| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
|------------|-----------------|--------------|----------------------|
| 0 | 1909.14 | 104.76 | Initial Hydro-static |
| 2 | 274.97 | 105.59 | Open To Flow (1) |
| 17 | 460.07 | 118.34 | Shut-In(1) |
| 46 | 1107.86 | 118.30 | End Shut-In(1) |
| 47 | 544.85 | 117.60 | Open To Flow (2) |
| 61 | 685.91 | 119.06 | Shut-In(2) |
| 122 | 1184.03 | 117.90 | End Shut-In(2) |
| 123 | 1871.57 | 118.25 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 120.00 | GMCO g=20% m=35% o=45% | 1.41 |
| 1780.00 | GO g=20% o=80% | 24.97 |
| 0.00 | GIP= 270ft | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co

3-18s-18w Rush,KS

PO Box 1019
Hays KS 67601

Erbes Trust #1-3

Job Ticket: 47880

DST#: 1

ATTN: Marc Dow ning

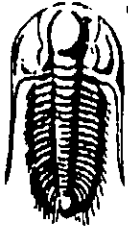
Test Start: 2012.06.20 @ 01:31:05

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3763.00 ft | Diameter: 3.80 inches | Volume: 52.78 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: 20000.00 lb |
| Drill Collar: | Length: 30.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 52.93 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 20.00 ft | | | String Weight: Initial 53000.00 lb |
| Depth to Top Packer: | 3793.00 ft | | | Final 62000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 47.00 ft | | | |
| Tool Length: | 67.00 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 | | | 3774.00 | |
| Shut In Tool | 5.00 | | | 3779.00 | |
| Hydraulic tool | 5.00 | | | 3784.00 | |
| Packer | 5.00 | | | 3789.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3793.00 | |
| Stubb | 1.00 | | | 3794.00 | |
| Perforations | 5.00 | | | 3799.00 | |
| Change Over Sub | 1.00 | | | 3800.00 | |
| Recorder | 0.00 | 8017 | Inside | 3800.00 | |
| Recorder | 0.00 | 8372 | Outside | 3800.00 | |
| Drill Pipe | 31.00 | | | 3831.00 | |
| Change Over Sub | 1.00 | | | 3832.00 | |
| Perforations | 5.00 | | | 3837.00 | |
| Bullnose | 3.00 | | | 3840.00 | 47.00 Bottom Packers & Anchor |
| Total Tool Length: | 67.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co

3-18s-18w Rush,KS

PO Box 1019
Hays KS 67601

Erbes Trust #1-3

Job Ticket: 47880

DST#: 1

ATTN: Marc Dow ning

Test Start: 2012.06.20 @ 01:31:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|------------------------|---------------|
| 120.00 | GMCO g=20% m=35% o=45% | 1.410 |
| 1780.00 | GO g=20% o=80% | 24.969 |
| 0.00 | GIP= 270ft | 0.000 |

Total Length: 1900.00 ft

Total Volume: 26.379 bbf

Num Fluid Samples: 0

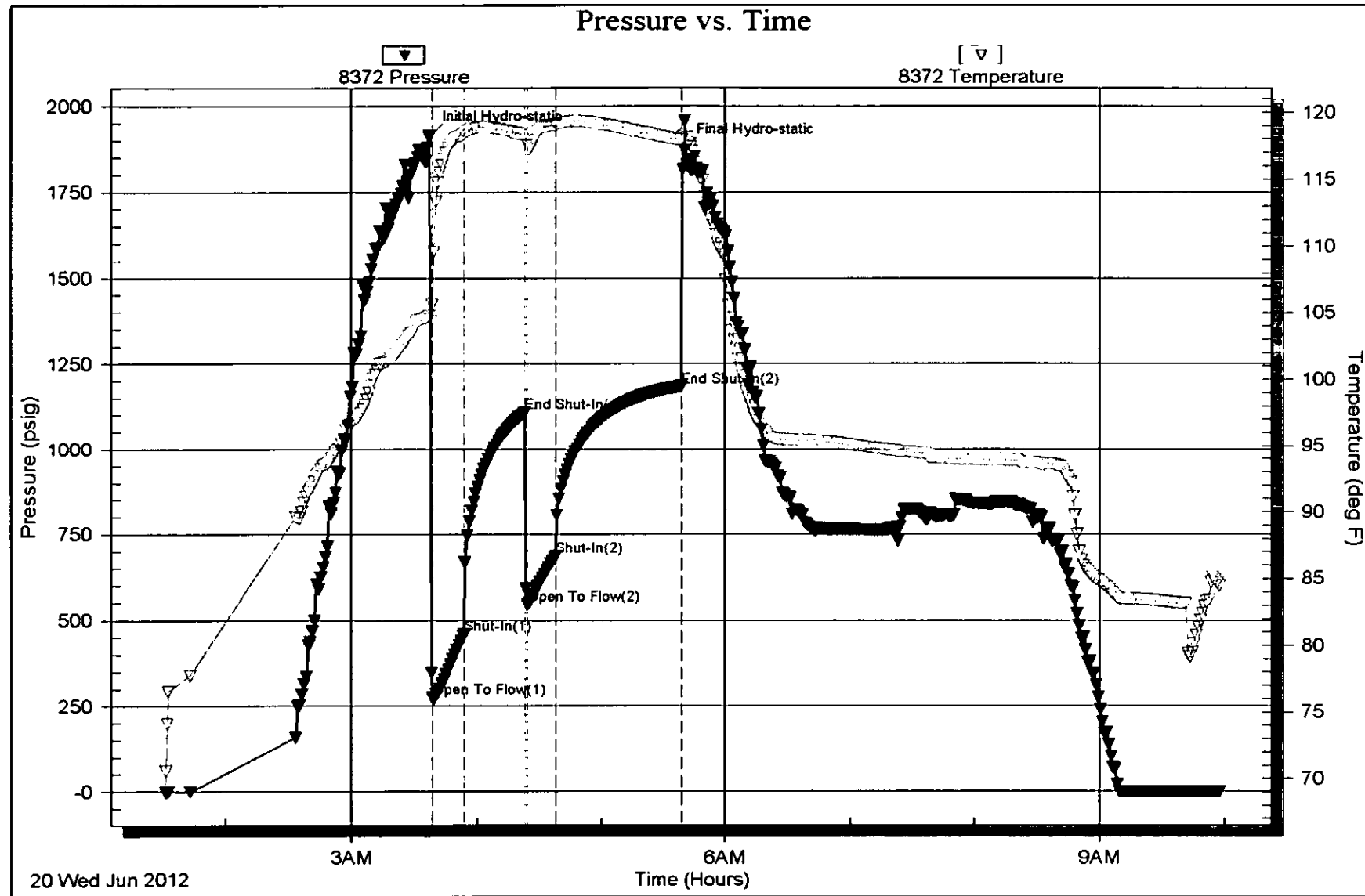
Num Gas Borrb: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



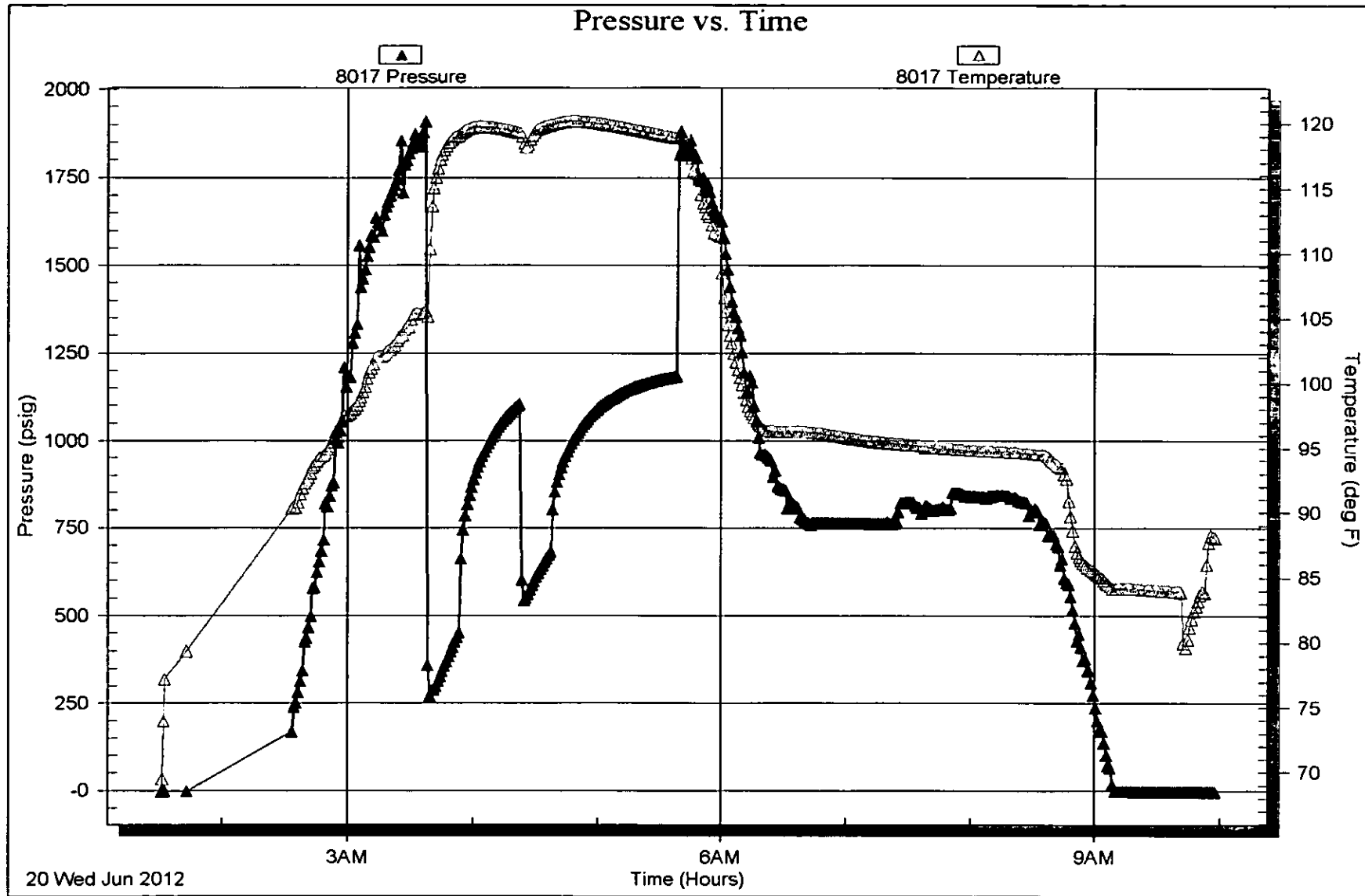
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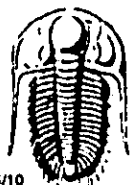
Inside

Downing-Nelson Oil Co

Erbes Trust #1-3

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47880

Well Name & No. Erbes Trust #1-3 Test No. 1 Date 6-20-12
 Company DNOc Elevation 2075 KB 2067 GL
 Address PO Box 1019 Hays Ks. 67601
 Co. Rep / Geo. MARC DAWNING Rig Discovery #4
 Location: Sec. 3 Twp. 18S Rge. 18W Co. Rush State Ks

Interval Tested 3793-3840 Zone Tested Ne buckle
 Anchor Length 47' Drill Pipe Run 3763 Mud Wt. 8.5
 Top Packer Depth 3788 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3793 Wt. Pipe Run 0 WL 8.0
 Total Depth 3840 Chlorides 3000 ppm System LCM 2"

Blow Description IF: BOB, 30 sec
ISF: Return blow, Built to 2" sized in 23min
FF: BOB, 30 sec
FSD: Return blow, Built to 2" sized in 19min

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|-------------|-------------|-------------|-------------|-------------|
| <u>1780</u> | <u>30</u> | <u>20</u> | <u>80</u> | | |
| <u>120</u> | <u>GMC0</u> | <u>20</u> | <u>45</u> | | <u>35</u> |
| <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| <u>270</u> | <u>GIP</u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Rec Total 1900' BHT 117° Gravity 39 API RW @ °F Chlorides ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1909</u> | <input checked="" type="checkbox"/> Test <u>← 1150</u> | T-On Location <u>00:25</u> |
| (B) First Initial Flow <u>274</u> | <input type="checkbox"/> Jars <u> </u> | T-Started <u>01:31</u> |
| (C) First Final Flow <u>460</u> | <input type="checkbox"/> Safety Joint <u> </u> | T-Open <u>03:38</u> |
| (D) Initial Shut-In <u>1107</u> | <input checked="" type="checkbox"/> Circ Sub <u>← 50</u> | T-Pulled <u>05:38</u> |
| (E) Second Initial Flow <u>544</u> | <input checked="" type="checkbox"/> Hourly Standby <u>← .5h 50</u> | T-Out <u>09:58</u> |
| (F) Second Final Flow <u>685</u> | <input checked="" type="checkbox"/> Mileage <u>56RT</u> | Comments <u> </u> |
| (G) Final Shut-In <u>1184</u> | <input type="checkbox"/> Sampler <u> </u> | <u> </u> |
| (H) Final Hydrostatic <u>1871</u> | <input type="checkbox"/> Straddle <u> </u> | <input type="checkbox"/> Ruined Shale Packer <u> </u> |

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 60

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1336.80

Sub Total 1336.80

MR/DST Disc't

Approved By _____

Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, test's lost or damaged in the hole shall be paid for at cost by the party for whom the test is made

QUALITY OILWELL CEMENTING, INC.

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

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

No. 4611

| | | | | | | | | | | | | | | | | | | |
|---------------------------|------------------|------|------------|------|--|-------|-----------------------|--------|----------|-------|------------------|-------------|-------------------------|--------|---------|-------------------|--|--|
| Date | 6-15-12 | Sec. | 11 | Twp. | 18 | Range | 18 | County | Rush | State | KS | On Location | | Finish | 9:45 pm | | | |
| Lease | Well No. | | 1-3 ERBBS | | Location | | Lacrosse 1S 1E N into | | | | | | | | | | | |
| Contractor | Trust | | Owner | | Downing Nelson Oil Co Inc | | | | | | | | | | | | | |
| Type Job | Seeface | | 1234 | | 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. | | | | | | | | | | | | | |
| Hole Size | 12 1/4 | | T.D. | | 12 1/4 ft | | | | | | | | | | | | | |
| Csg. | 8 5/8 | | Depth | | 12 3/4 ft | | | | | | | | | | | | | |
| Tbg. Size | | | Depth | | 12 3/4 ft | | | | | | | | | | | | | |
| Tool | | | Depth | | | | | | | | | | | | | | | |
| Cement Left in Csg. | 3 1/4 | | Shoe Joint | | 30 ft | | | | | | | | | | | | | |
| Measure | 35 ft | | Displace | | 7 1/2 BB | | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | | Cement Amount Ordered | | | 450 390 cc 2% gel | | |
| Pumptrk | #9 | | No. | | Cement | | Helper | | Common | | 450 | | | | | | | |
| Bulktrk | #12 | | No. | | Driver | | Driver | | Poz. Mix | | | | | | | | | |
| Bulktrk | pu | | No. | | Driver | | Driver | | Gel. | | 270 9 | | | | | | | |
| JOB SERVICES & REMARKS | | | | | | | | | | | | | Calcium | | | 270 16 | | |
| Remarks: | | | | | | | | | | | | | | | | | | |
| Rat Hole | | | | | | | | | | | | | | | | | | |
| Mouse Hole | | | | | | | | | | | | | | | | | | |
| Centralizers | | | | | | | | | | | | | | | | | | |
| Baskets | | | | | | | | | | | | | | | | | | |
| D/V or Port Collar | | | | | | | | | | | | | | | | | | |
| Cement did calculate | | | | | | | | | | | | | Hulls | | | | | |
| Quality Oilwell Cementing | | | | | | | | | | | | | Salt | | | | | |
| Cementing | | | | | | | | | | | | | Flowseal | | | | | |
| Cementing | | | | | | | | | | | | | Kol-Seal | | | | | |
| Cementing | | | | | | | | | | | | | Mud CLR 48 | | | | | |
| Cementing | | | | | | | | | | | | | CFL-117 or CD110 CAF 38 | | | | | |
| Cementing | | | | | | | | | | | | | Sand | | | | | |
| Cementing | | | | | | | | | | | | | Handling | | | 475 | | |
| Cementing | | | | | | | | | | | | | Mileage | | | | | |
| Cementing | | | | | | | | | | | | | FLOAT EQUIPMENT | | | | | |
| Cementing | | | | | | | | | | | | | Guide Shoe | | | | | |
| Cementing | | | | | | | | | | | | | Centralizer | | | | | |
| Cementing | | | | | | | | | | | | | Baskets | | | | | |
| Cementing | | | | | | | | | | | | | AFU inserts | | | | | |
| Cementing | | | | | | | | | | | | | Float Shoe | | | 1 Rubber plug | | |
| Cementing | | | | | | | | | | | | | Latch Down | | | | | |
| Cementing | | | | | | | | | | | | | Baffle plate | | | | | |
| Cementing | | | | | | | | | | | | | Pumptrk Charge | | | Long Surface | | |
| Cementing | | | | | | | | | | | | | Mileage | | | 31 | | |
| Cementing | | | | | | | | | | | | | Tax | | | | | |
| Cementing | | | | | | | | | | | | | Discount | | | | | |
| Cementing | | | | | | | | | | | | | Total Charge | | | | | |
| Signature | | | | | | | | | | | | | Mike Larkin | | | | | |

JOB LOG

SWIFT Services, Inc.

DATE 21 Jun 12 PAGE NO.

CUSTOMER Deering & Nelson WELL NO. 1-3 LEASE Erbes Trust JOB TYPE Cement long string TICKET NO. 23124

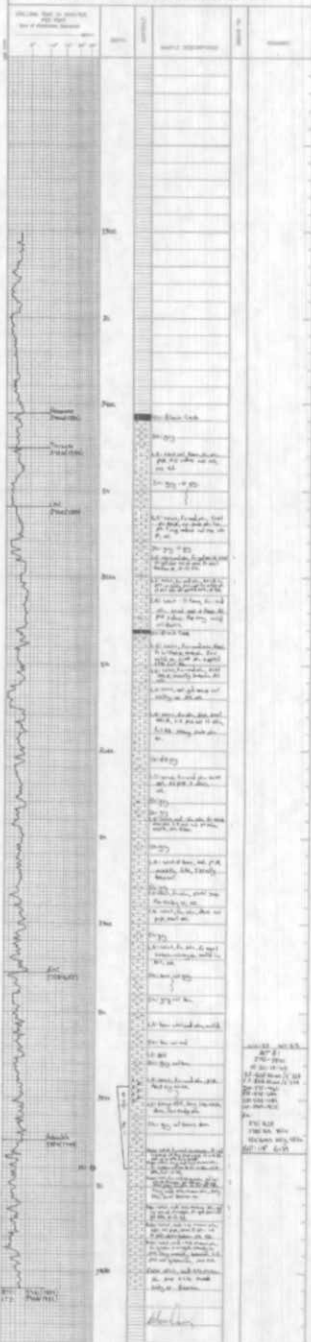
| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | | | | | | | | 180SK SA-2 2 1/2" 1/2" Slode |
| | | | | | | | | 52" x 14" casing 94 joints 5908' |
| | | | | | | | | insects 3865 RTD |
| | | | | | | | | Cont 1,35,7,9,11 Basket 2 |
| | 0530 | | | | | | | on loc TRK 14 |
| | 0620 | | | | | | | start 5 1/2" 14" casing in well |
| | 0805 | | | | | | | Drop ball - circulate - ROTATE |
| | 0835 | 4 3/4 | 12 | | | | 250 | Pump 12 bbl mid flush |
| | | 4 3/4 | 20 | | | | 250 | Pump 20 bbl KCL flush |
| | 0842 | | 7 | | | | | Plug RH - MH 30SKS - 20SKS |
| | 0849 | 4 3/4 | 37 | | | | 250 | Mix SA-2 cement 130SKS @ 15.3 ppg |
| | | | | | | | | Drop latch down plug |
| | | | | | | | | wash out pump & line |
| | 0906 | 4 3/4 | 80 | | | | 250 | Displace plug |
| | | 3 3/4 | 94 | | | | 250 | |
| | 0930 | 4 3/4 | 94 | | | | 150 | Land plug |
| | | | | | | | | Release pressure to truck - dried up |
| | | | | | | | | wash truck |
| | | | | | | | | Rack up |
| | 1000 | | | | | | | job complete |
| | | | | | | | | Fluks |
| | | | | | | | | ISARR, Dave, & Bobino |

Title: Geological Map of the ...
 Date: ...
 Scale: 1:...
 Author: ...
 Project: ...
 Location: ...
 Sheet: ... of ...

| No. | Symbol | Description |
|-----|----------|---------------|
| 1 | [Symbol] | [Description] |
| 2 | [Symbol] | [Description] |
| 3 | [Symbol] | [Description] |
| 4 | [Symbol] | [Description] |
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| 19 | [Symbol] | [Description] |
| 20 | [Symbol] | [Description] |

| No. | Symbol | Description |
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| 21 | [Symbol] | [Description] |
| 22 | [Symbol] | [Description] |
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| 25 | [Symbol] | [Description] |
| 26 | [Symbol] | [Description] |
| 27 | [Symbol] | [Description] |
| 28 | [Symbol] | [Description] |
| 29 | [Symbol] | [Description] |
| 30 | [Symbol] | [Description] |

Legend
 [Symbol] [Symbol] [Symbol] [Symbol] [Symbol] [Symbol] [Symbol] [Symbol] [Symbol] [Symbol]



[Additional notes or scale information]