



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 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 #: _____

| | | |
|-----------------------------------|-----------------|-----------------------------------------|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|-----------------------------------------|

API No. 15 - _____

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1060051

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|

| 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 |
| _____ 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 |
|----------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------|
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

| | | | | | |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| 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> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|

| | |
|-----------|---------------------------|
| Form | ACO1 - Well Completion |
| Operator | Downing-Nelson Oil Co Inc |
| Well Name | Marvin Saxton 1-18 |
| Doc ID | 1060051 |

Tops

| Name | Top | Datum |
|----------------|------|-------|
| Top Anhydrite | 1402 | +828 |
| Base | 1430 | +800 |
| Heebner | 3724 | -1494 |
| LKC | 3774 | -1544 |
| BKC | 4081 | -1851 |
| Fort Scott | 4268 | -2038 |
| Cherokee Shale | 4282 | -2052 |
| Mississippi | 4334 | -2104 |
| Osage | 4353 | -2123 |

JOB LOG

SWIFT Services, Inc.

DATE 7-8-11 PAGE NO. 7

CUSTOMER Dowling - Nelson Ozz WELL NO. 1-18 LEASE MARVEN SAXTON JOB TYPE 5 1/2" 2-STAGE LGST. TICKET NO. 20882

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|-------------------------------------------------------------------------------------|
| | | | | T | C | TUBING | CASING | |
| | 2030 | | | | | | | ON LOCATION |
| | 2100 | | | | | | | START 5 1/2" CASING IN WELL |
| | | | | | | | | TD-4366 RND SET = 4365 TP-4369 5 1/2" 14 ST-20' |
| | | | | | | | | CENTRALIZERS - 1, 3, 5, 7, 9, 11, 71 CMT BKTS - 72 DU TOOL = 1381' TOPJT # 72 |
| | 2305 | | | | | | | DROP BALL - CIRCULATE - ROTATE ROTATE |
| | 0005 | 6 1/2 | 12 | | ✓ | | 450 | PUMP 500 GAL MOD FLUSH |
| | 0007 | 6 1/2 | 20 | | ✓ | | 450 | PUMP 20 BBS KCL-FLUSH |
| | 0015 | 4 1/2 | 36 | | ✓ | | 300 | MIX CEMENT - 150 SKS EA-2 = 15.5 PPG |
| | 0023 | | | | | | | WASH OUT PUMP - LINES |
| | 0024 | | | | | | | RELEASE 1 ST STAGE LATCH DOWN PLUG |
| | 0025 | 7 | 0 | | ✓ | | | DISPLACE PLUG |
| | 0040 | 6 1/2 | 106.1 | | | | 1500 | PLUG DOWN - PSE UP LATCH IN PLUG |
| | 0042 | | | | | | OK | RELEASE PSE-HELD |
| | 0045 | | | | | | | DROP DV CLOSING PLUG |
| | 0100 | | | | ✓ | | 1100 | OPEN DV - CIRCULATE |
| | 0105 | 6 | 20 | | ✓ | | 300 | PUMP 20 BBS KCL-FLUSH |
| | 0110 | | 7-5 | | | | | PLUG RH-MH (30SKS - 20SKS) |
| | 0115 | 6 | 83 | | ✓ | | 300 | MIX CEMENT - 150 SKS SMD = 11.2 PPG |
| | 0135 | | | | | | | WASH OUT PUMP - LINES |
| | 0137 | | | | | | | RELEASE DV CLOSING PLUG |
| | 0140 | 6 1/2 | 0 | | ✓ | | | DISPLACE PLUG |
| | 0145 | 5 | 33.7 | | | | 1500 | PLUG DOWN - PSE UP CLOSE DV TOOL |
| | 0147 | | | | | | OK | RELEASE PSE-HELD |
| | | | | | | | | CIRCULATED 20 SKS CEMENT TO PET |
| | | | | | | | | WASH TRUCK |
| | 0230 | | | | | | | JOB COMPLETE |

THANK YOU
WAGE, JEFF, ROB

JOB LOG

SWIFT Services, Inc.

DATE 7-8-11 PAGE NO. 1

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| | 2100 | | | | | | | START 5 1/2" CASING IN WELL |
| | | | | | | | | TD-4366 RND SET = 4365 TP-4369 5 1/2" 14 ST-20' |
| | | | | | | | | CENTRALIZERS - 1, 3, 5, 7, 9, 11, 71 CMT BSSES - 72 DU TOOL = 1381' TOPJT # 72 |
| | 2305 | | | | | | | DROP BALL - CIRCULATE - ROTATE ROTATE |
| | 0005 | 6 1/2 | 12 | | ✓ | | 450 | PUMP 500 GAL MOD FLUSH |
| | 0007 | 6 1/2 | 20 | | ✓ | | 450 | PUMP 20 BBS KCL-FLUSH |
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| | 0023 | | | | | | | WASH OUT PUMP - LINES |
| | 0024 | | | | | | | RELEASE 1 ST STAGE LATCH DOWN PLUG |
| | 0025 | 7 | 0 | | ✓ | | | DISPLACE PLUG |
| | 0040 | 6 1/2 | 106.1 | | | | 1500 | PLUG DOWN - PSE UP LATCH IN PLUG |
| | 0042 | | | | | | OK | RELEASE PSE - HELD |
| | 0045 | | | | | | | DROP DV OPENING PLUG |
| | 0100 | | | | ✓ | | 1100 | OPEN DV - CIRCULATE |
| | 0105 | 6 | 20 | | ✓ | | 300 | PUMP 20 BBS KCL-FLUSH |
| | 0110 | | 7.5 | | | | | PLUG RH-MH (30SKS - 20SKS) |
| | 0115 | 6 | 83 | | ✓ | | 300 | MIX CEMENT - 150 SKS SMD = 11.2 PPG |
| | 0135 | | | | | | | WASH OUT PUMP - LINES |
| | 0137 | | | | | | | RELEASE DV CLOSING PLUG |
| | 0140 | 6 1/2 | 0 | | ✓ | | | DISPLACE PLUG |
| | 0145 | 5 | 33.7 | | | | 1500 | PLUG DOWN - PSE UP CLOSE DV TOOL |
| | 0147 | | | | | | OK | RELEASE PSE - HELD |
| | | | | | | | | CIRCULATED 20 SKS CEMENT TO PET |
| | | | | | | | | WASH TRUCK |
| | 0230 | | | | | | | JOB COMPLETE |

THANK YOU
WAYNE, JEFF, ROB

JOB LOG

SWIFT Services, Inc.

DATE 7-8-11 PAGE NO. 7

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| | 2030 | | | | | | | ON LOCATION |
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| | 0024 | | | | | | | RELEASE 1 ST STAGE LATCH DOWN PLUG |
| | 0025 | 7 | 0 | | ✓ | | | DISPLACE PLUG |
| | 0040 | 6 1/2 | 106.1 | | | | 1500 | PLUG DOWN - PSEUP LATCH IN PLUG |
| | 0042 | | | | | | OK | RELEASE PSE-HELD |
| | 0045 | | | | | | | DROP DV CLOSING PLUG |
| | 0100 | | | | ✓ | | 1100 | OPEN DV - CIRCULATE |
| | 0105 | 6 | 20 | | ✓ | | 300 | PUMP 20 BBS KCL-FLUSH |
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| | 0230 | | | | | | | JOB COMPLETE |

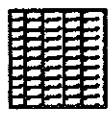
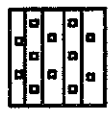


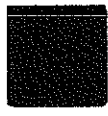
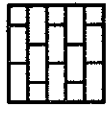
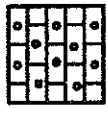
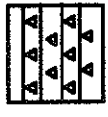

THANK YOU
WAYNE, JEFF, ROB

DRILL STEM TESTS

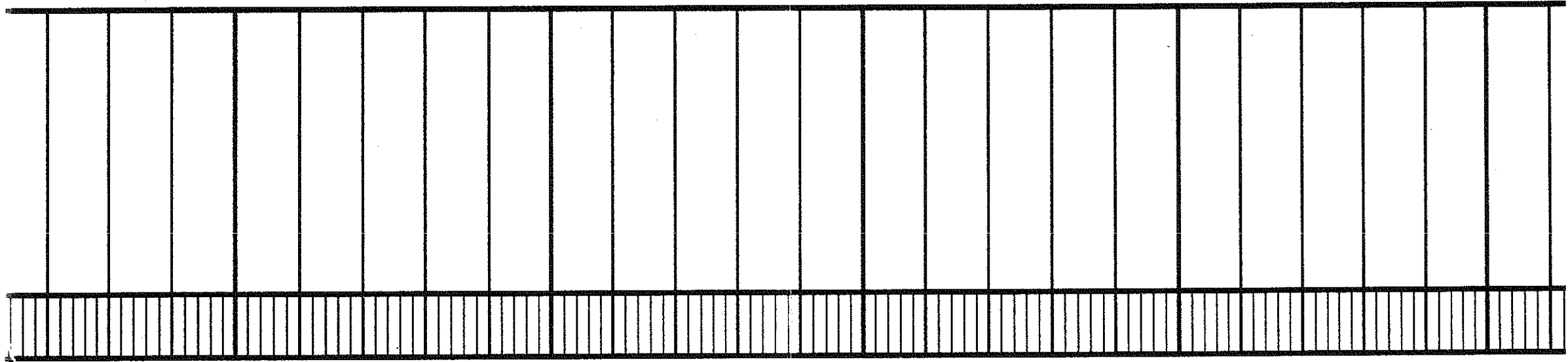
| No. | Interval | IFP/Time | ISIP/Time | FFP/Time | FSIP/Time | IHH-FH | RECOVERY |
|-----|----------|----------|-----------|----------|-----------|--------|----------|
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REMARKS AND RECOMMENDATIONS _____

LEGEND

| | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|----------|
|  | Anhydrite |  | Salt |  | Sandstone |  | Shale |  | Carb sh |  | Limestone |  | Ool.Lime |  | Chert |  | Dolomite |
|---------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|----------|

| | | |
|-----------------------------------------------------------------------|--------------------|-----------|
| DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases | 5" 10" 15" 20" 25" | |
| DEPTH | | REMARKS |
| LITHOLOGY | | OIL SHOWS |
| SAMPLE DESCRIPTIONS | | |

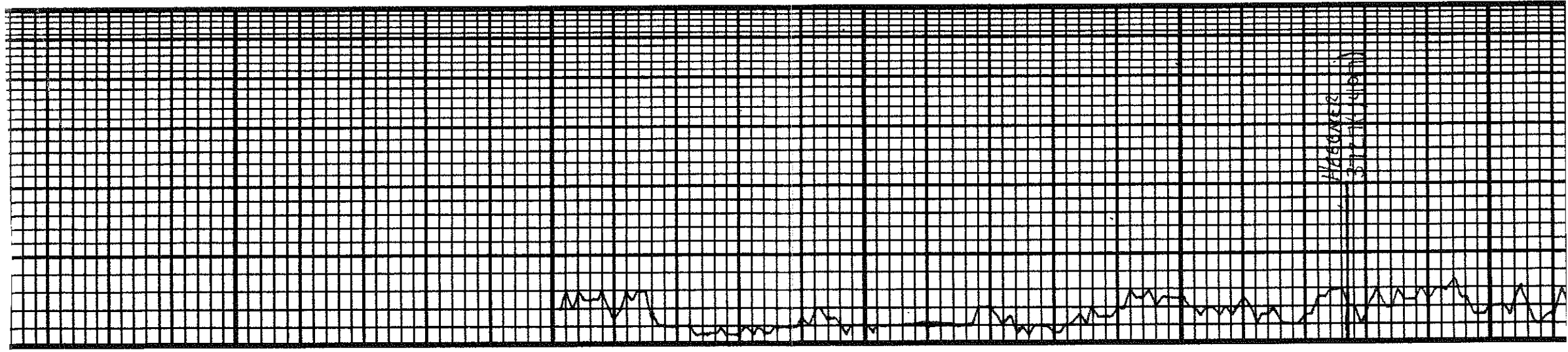


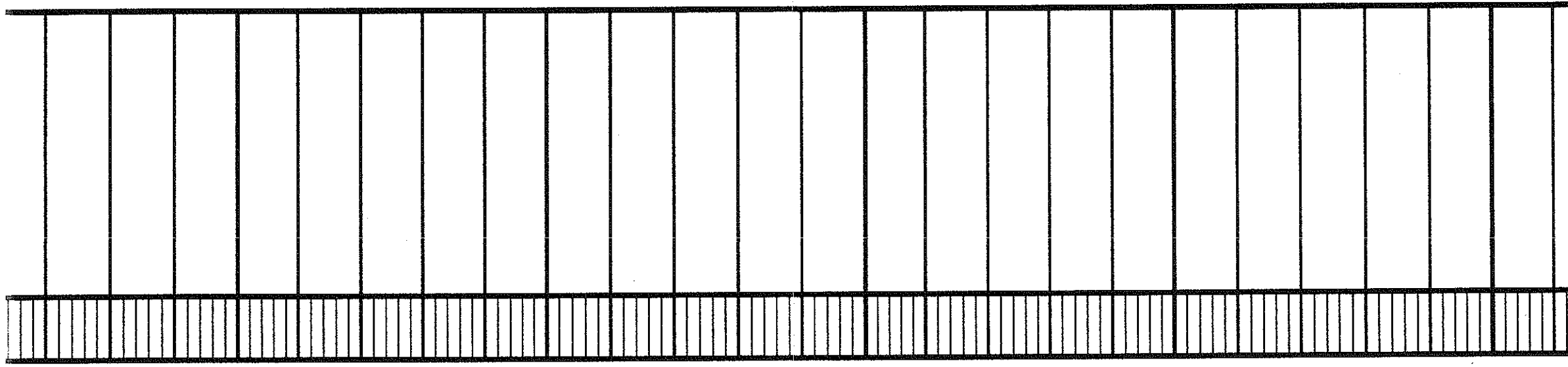
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50

3700

50





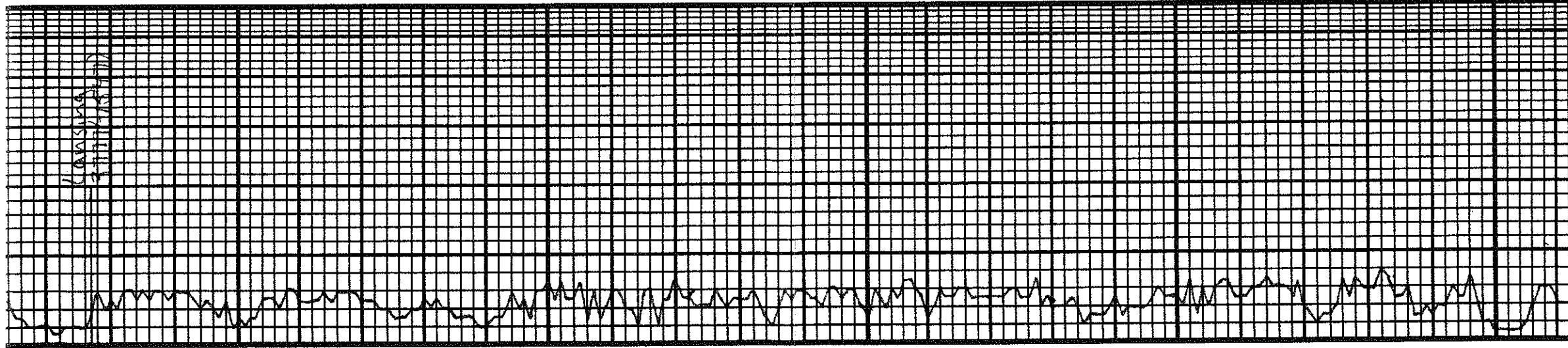
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50

3900

50

4000



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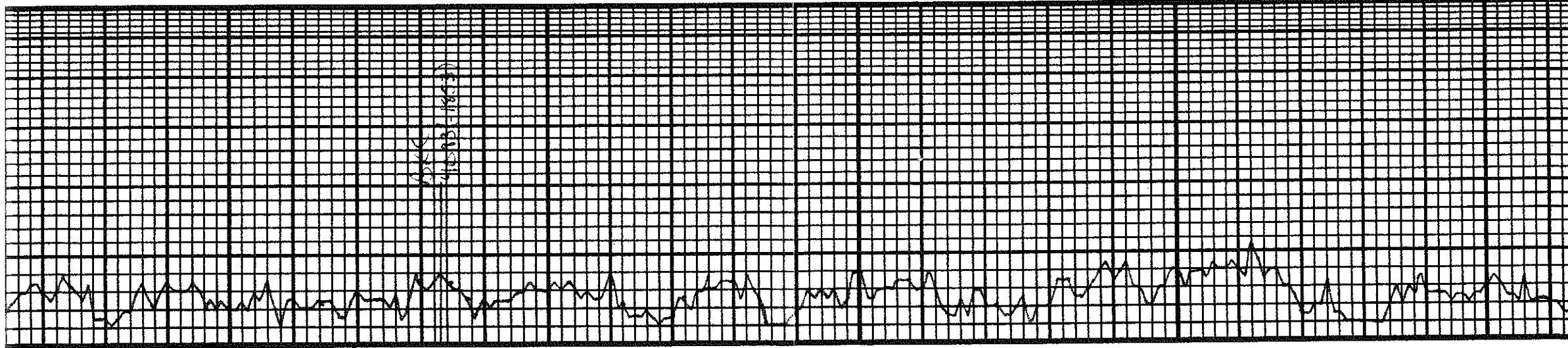
4100

50

4200

50

50



Sh: brn

LS: light fuxls, chs

Sh: brn - red

LS: wht, some lt brn, fuxls, chs

Sh: gry

Sh: gry

LS: wht, v fuxls, v chs, some xls in prt.

Sh: dk gry - blk

Sh: AIA w/ some red.

LS: wht - tan, v fuxls, chs

Sh: gry

LS: tan - brn, mid xls, tan, v fuxls w/ depth. Seat Pass, NE side

Sh: dk gry - blk

LS: wht - tan, fuxls, chs, some gry ents

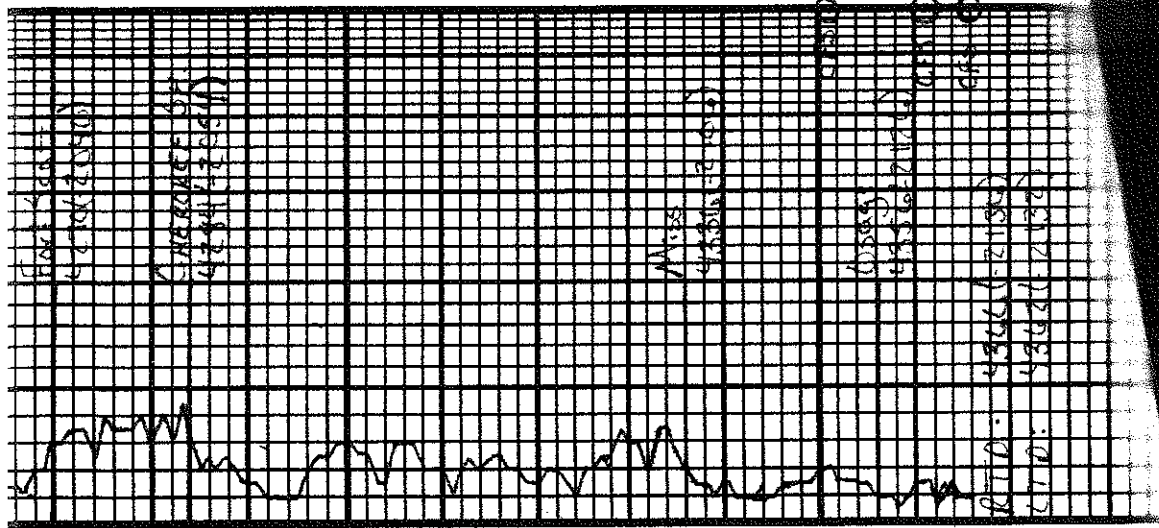
Sh: Black Cobs

Vis: 48 - wt: 9.0

OBT #1

4300-4351

30-30-30-30



4300

DST # 1

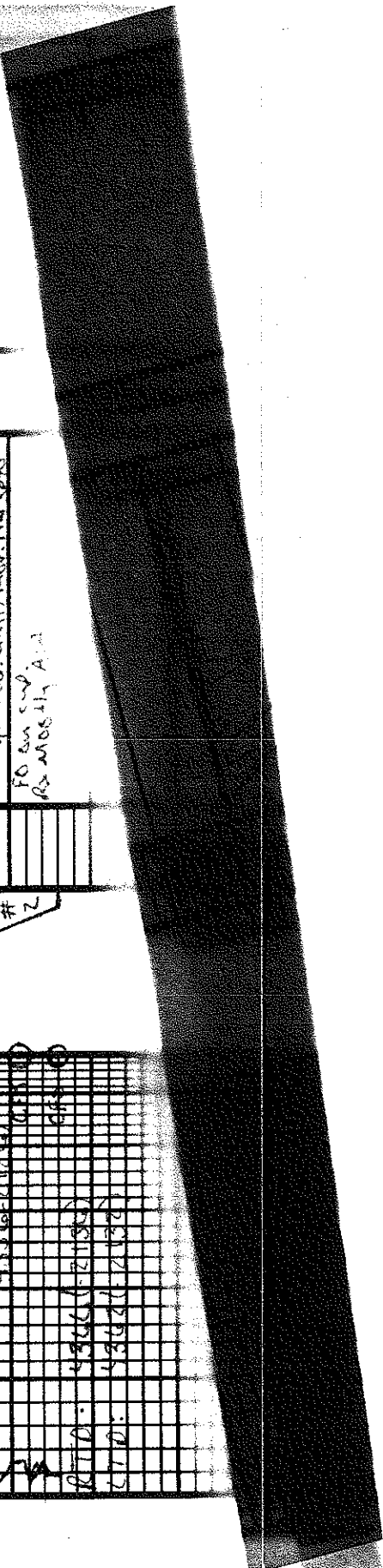
CS: tom, md xln, some foss. Tang
wh, vfn xln, sub xln imp. tang
Rest All chas w/ per, all are
chto in base.
Sh: Black Carb
Sh: g's
CS: tom, md xln, some foss. Tang
v dms, ALL NS
Sh: brn-vid w/ grg.
Scat, gel chto
Few ss clust w/lt-clc.
w/lt mix. some vfn. some
some cos, Aug. pr sort. N. d. d. d.
Ch: Mostly tom w/lt v. w. d. d.
w/lt md xln & per, few foss
pr w/lt brn str. Rest gd sat str
gd sfo, gd od, gd qm flower. FO
on sup.
Ch: tang mostly w/lt, fresh, few
w/lt brn str. Fresh, w/lt rare str,
w/lt f. od. dull flower. few sets
FO on sup
pr mostly A. d.

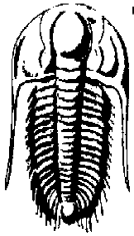
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DST # 2

FFP: 47-50
SIP: 651-394
HP: 2207-2057
Rec:
10' ocm 570
BHT: 117'
DST # 2
4350-4366
45-45-45-45
I.F.-BOB 15 min/1 1/2 SIB
F.F.-BOB 12 min/2" SIB
IFF: 23-101
FFP: 107-186
SIP: 1350-1341
HP: 2213-2651
Rec:
215' GIP
390' GO 801-0
90' ocm 1570
G=37 BHT: 126

: 38





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Company

Marvin Saxton 1-18

18 20s 20w Pawnee KS

Job Ticket: 43506

DST#: 1

ATTN: Ron/AI

Test Start: 2011.07.07 @ 09:06:12

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:52:12

Time Test Ended: 14:23:12

Test Type: Conventional Bottom Hole

Tester: Paul Simpson

Unit No: 39

Interval: 4300.00 ft (KB) To 4351.00 ft (KB) (TVD)

Reference Elevations: 2230.00 ft (KB)

Total Depth: 4351.00 ft (KB) (TVD)

2222.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8017 Inside

Press @ RunDepth: 49.63 psig @ 4301.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.07

End Date:

2011.07.07

Last Calib.: 2011.07.07

Start Time: 09:06:17

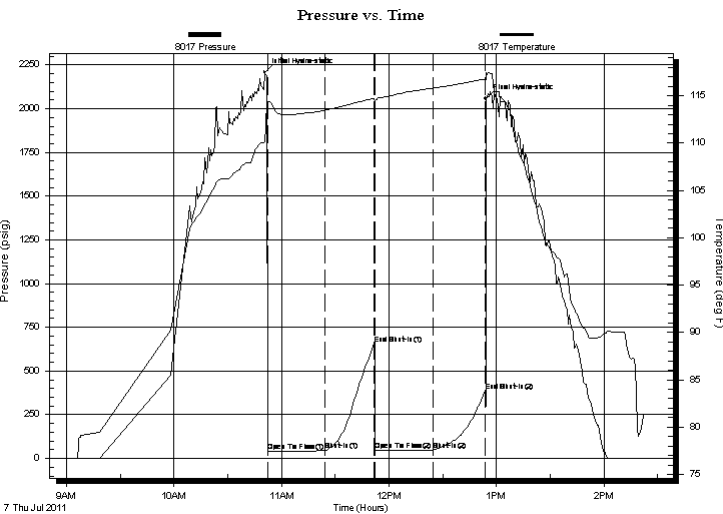
End Time:

14:23:11

Time On Btm: 2011.07.07 @ 10:50:42

Time Off Btm: 2011.07.07 @ 12:54:12

TEST COMMENT: IF weak 1/4 blow throughout
FF- no blow



PRESSURE SUMMARY

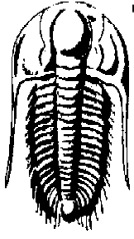
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2207.41 | 110.15 | Initial Hydro-static |
| 2 | 39.94 | 113.69 | Open To Flow (1) |
| 34 | 44.73 | 113.48 | Shut-In(1) |
| 62 | 651.29 | 114.72 | End Shut-In(1) |
| 62 | 47.39 | 114.35 | Open To Flow (2) |
| 94 | 49.63 | 115.83 | Shut-In(2) |
| 123 | 384.36 | 116.76 | End Shut-In(2) |
| 124 | 2057.40 | 117.48 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 10.00 | socm 5% o 95% m | 0.05 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Company

Marvin Saxton 1-18

18 20s 20w Pawnee KS

Job Ticket: 43506

DST#: 1

ATTN: Ron/Al

Test Start: 2011.07.07 @ 09:06:12

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 11.19 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------|---------------|
| 10.00 | socm 5% o 95% m | 0.049 |

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

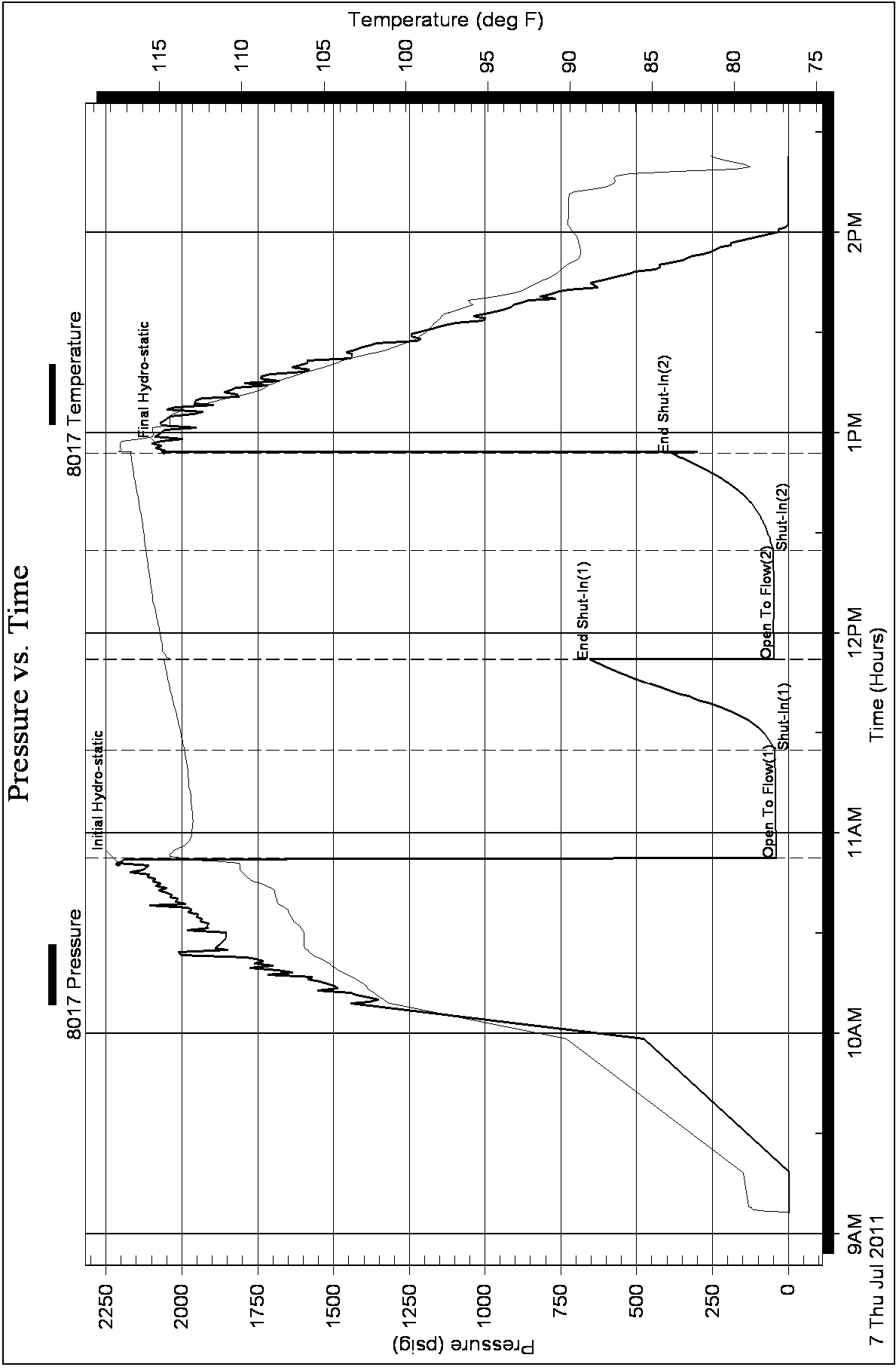
Serial #:

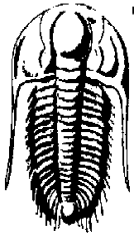
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Downing Nelson Oil Company

Marvin Saxton 1-18

Box 1019
Hays KS 67601

18 20s 20w Pawnee KS

ATTN: Ron/AI

Job Ticket: 43507

DST#: 2

Test Start: 2011.07.07 @ 22:20:25

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:40

Time Test Ended: 05:07:29

Test Type: Conventional Bottom Hole

Tester: Paul Simpson

Unit No: 39

Interval: 4350.00 ft (KB) To 4366.00 ft (KB) (TVD)

Reference Elevations: 2230.00 ft (KB)

Total Depth: 4366.00 ft (KB) (TVD)

2222.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8017 Inside

Press @ Run Depth: 185.80 psig @ 4351.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.07 End Date: 2011.07.08

Last Calib.: 2011.07.08

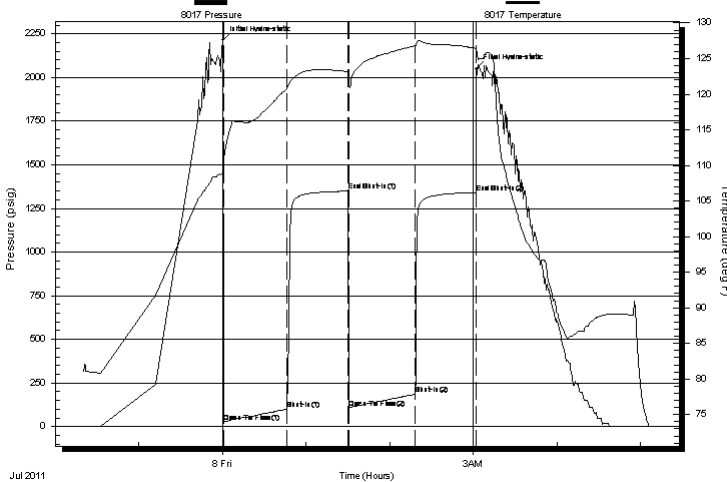
Start Time: 22:20:25 End Time: 05:07:30

Time On Btm: 2011.07.08 @ 00:00:30

Time Off Btm: 2011.07.08 @ 03:02:10

TEST COMMENT: IF 1/2" blow building to bottom of bucket in 15 minutes
IS- surface to 1 1/2"
FF blow built to bottom of bucket in 12 minutes
FS- 2" blow

Pressure vs. Time



PRESSURE SUMMARY

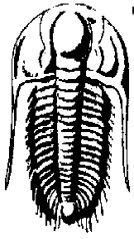
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2212.98 | 109.02 | Initial Hydro-static |
| 1 | 22.82 | 108.26 | Open To Flow (1) |
| 46 | 101.15 | 120.83 | Shut-In(1) |
| 90 | 1349.67 | 123.17 | End Shut-In(1) |
| 91 | 107.34 | 121.02 | Open To Flow (2) |
| 138 | 185.80 | 126.79 | Shut-In(2) |
| 182 | 1341.30 | 126.44 | End Shut-In(2) |
| 182 | 2050.67 | 126.63 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 390.00 | gassy oil 20%g 80%0 | 5.19 |
| 90.00 | ocm 15%o 85%m | 1.26 |
| 0.00 | 215' GIP | 0.00 |
| 0.00 | 38@70 =37 | 0.00 |
| | | |
| | | |

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Company

Marvin Saxton 1-18

Box 1019
Hays KS 67601

18 20s 20w Pawnee KS

Job Ticket: 43507

DST#: 2

ATTN: Ron/Al

Test Start: 2011.07.07 @ 22:20:25

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|---------------------|----------------|
| 390.00 | gassy oil 20%g 80%0 | 5.188 |
| 90.00 | ocm 15%o 85%m | 1.262 |
| 0.00 | 215' GIP | 0.000 |
| 0.00 | 38@70 =37 | 0.000 |

Total Length: 480.00 ft

Total Volume: 6.450 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

