



KANSAS CORPORATION COMMISSION 1050603
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 # _____

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: _____



1050603

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: _____ _____ |
|---|--|--|

| | |
|-----------|---------------------------|
| Form | ACO1 - Well Completion |
| Operator | Downing-Nelson Oil Co Inc |
| Well Name | Marvin Saxton Unit 1-30 |
| Doc ID | 1050603 |

All Electric Logs Run

| |
|----------------------|
| |
| Micro |
| Sonic |
| Dual Induction |
| Compensated Porosity |

| | |
|-----------|---------------------------|
| Form | ACO1 - Well Completion |
| Operator | Downing-Nelson Oil Co Inc |
| Well Name | Marvin Saxton Unit 1-30 |
| Doc ID | 1050603 |

Tops

| Name | Top | Datum |
|----------------|------|-------|
| Top Anhydrite | 1370 | +818 |
| Base Anhydrite | 1397 | +791 |
| Heebner | 3704 | -1516 |
| LKC | 3755 | -1567 |
| BKC | 4070 | -1882 |
| Fort Scott | 4258 | -2065 |
| Cherokee Shale | 4272 | -2084 |
| Mississippi | 4332 | -2144 |

DRILL STEM TESTS

| No. | Interval | IFP/Time | ISIP/Time | FFP/Time | FSP/Time | HH-FHH | RECOVERY |
|-----|----------|----------|-----------|----------|----------|--------|----------|
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| | | | | | | | |

REMARKS AND RECOMMENDATIONS *RUN 5 1/2" PRODUCTION PIPE @ 4333' for OPEN HOLE MISSISSIPPI.*

Ron Nelson

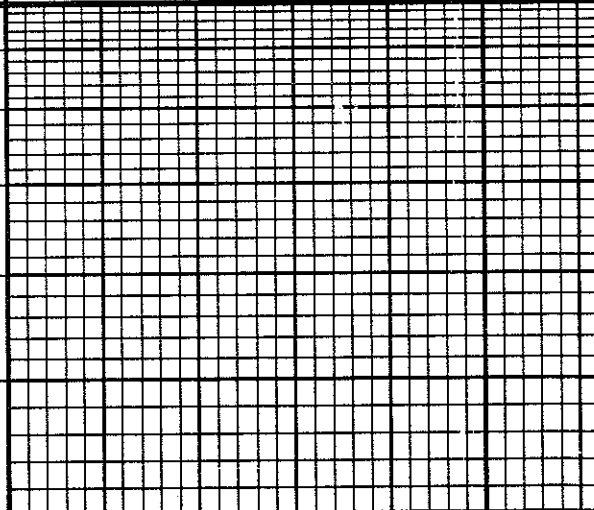
LEGEND

- 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

LITHOLOGY



SAMPLE DESCRIPTIONS

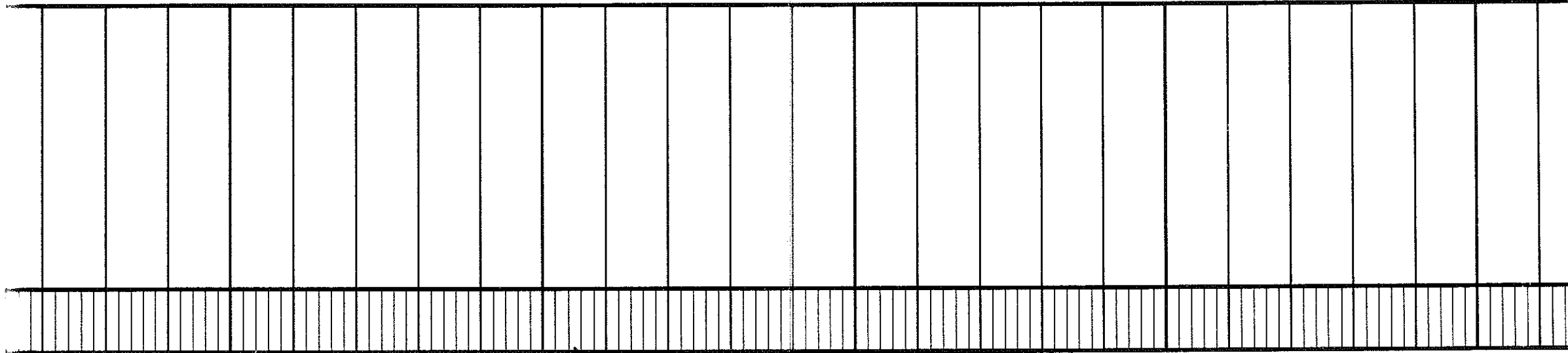
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OIL SHOWS

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REMARKS

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| |
| |
| |
| |
| |



3700

25

3800

25

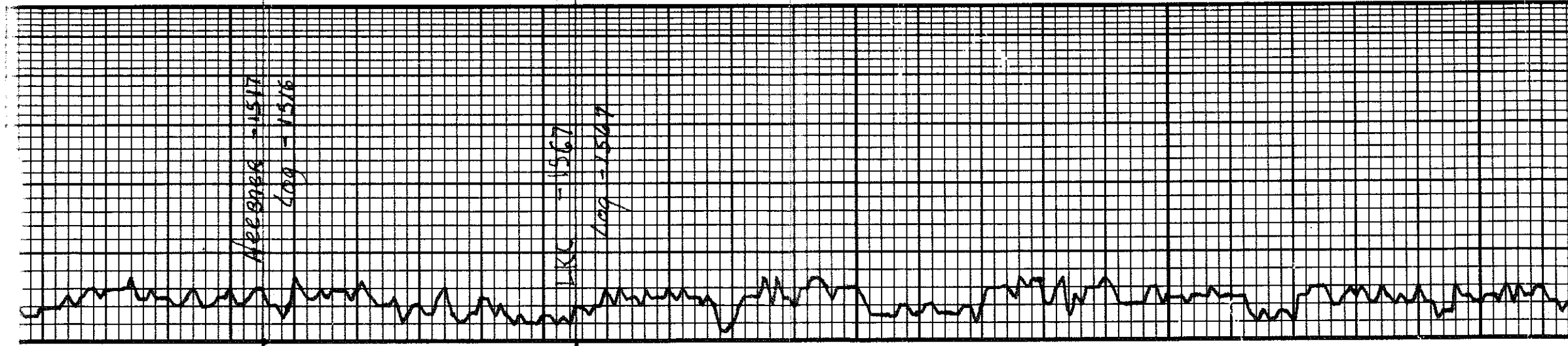
3900

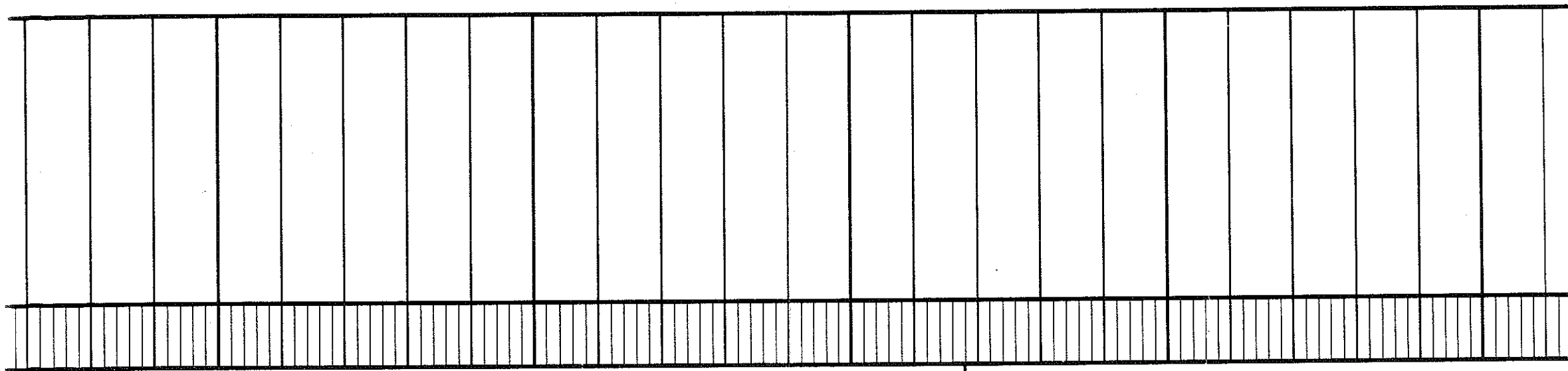
APR 28 1966 - 1517

LOG - 1516

MAY 1 1966

LOG - 1517





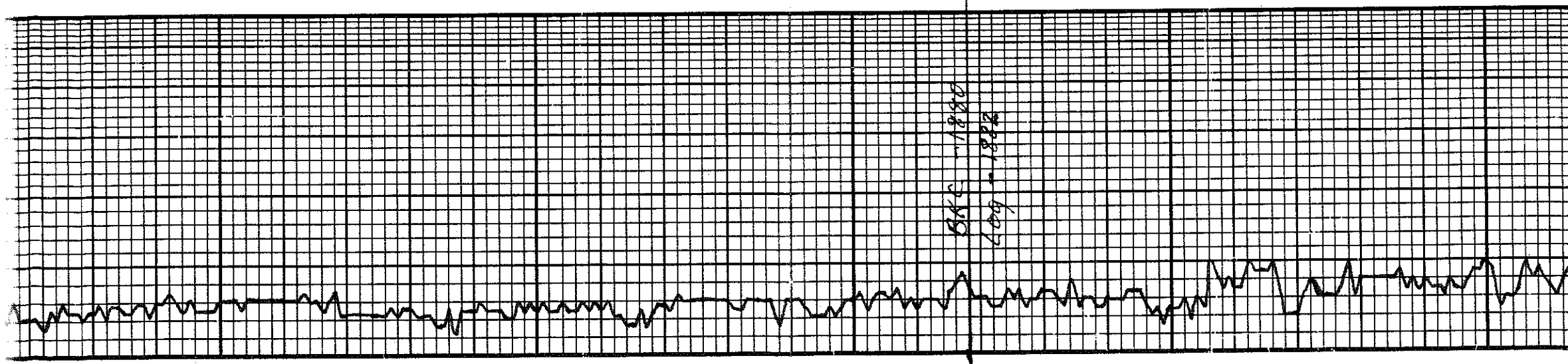
25

4000

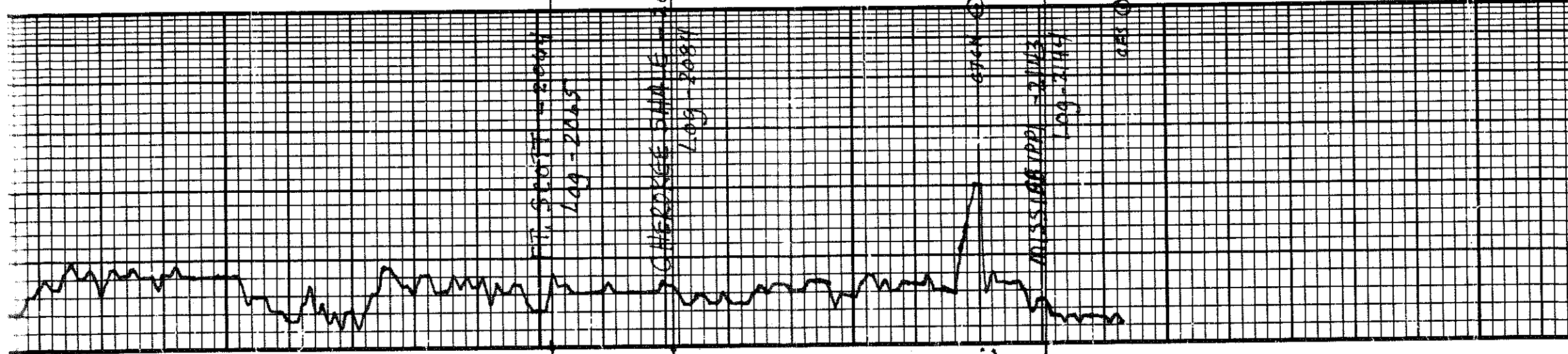
25

4100

25



5Kc - 1880
400 - 1882



4200

50

083

4300

BIT TRIP @
4320

50

4400

sh black
 Dns heavy propylite w/ red
 sh black area some clay shales
 NS
 v dns tan. - blue micaceous
 propylite
 w/ few pcs fringed
 sh black
 sh dk grey
 LSTAN vfn xy to dns, prvy 10. fr
 vng w/ brn to shw in some
 nod nodules tan prp
 m. n. s.
 sh black
 grey bed
 Dns grey micaceous m. s.
 sh grey
 v. sh. tan. micaceous propylite
 m. n. s.
 sh dk grey
 sh red grey w/ some
 frayed sh
 sh grey. brn. dk grey
 cnt wh. shp. Ash. fw weath
 pcs. gd visible frac planes
 mudh. e. of str. bed 5 ft
 gd gassy ooze

Ron Nelson

D S T # 1

DST #1
 4294'-4343'
 30"-45"-30"-45"
 1st open BOB 5"
 ST 6 "Blow Out
 2nd open BOB 5"
 SI 1 1/2 "Blow Back
 ICP 74-217
 FFP 211-306
 SIP 1283-1271
 HP 2162-2076
 REC: 250' g. i. a
 345' clean gassyok
 125' gassy mudstone
 10% oil, 70% oil, 20% m. u.
 310' gassy, heavy oil cont m. u.
 25% oil, 35% oil, 40% m. u.

| | | | | | |
|--|-------|-----------|---------------------|-----------|---------|
| | DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | OIL SHOWS | REMARKS |
| | | | | | |

OPERATOR DNDCL
 LEASE MARVIN SAXTON UNIT # 130 IP MISS.
 ELEVATION 2188' KA RTD 4343'

LOCATION 210' ENL 2 1835' F102L
 SEC 30 TWP 20S RNG 20W
 COUNTY PAWNEE STATE KANSAS



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

DNOC

PO Box 372
Hays, Ks
67601
ATTN: Gator

Marvin Saxton Unit 1-30

30-20-20/Pawnee

Job Ticket: 40936 **DST#: 1**
Test Start: 2010.11.14 @ 18:52:26

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:21:21
 Time Test Ended: 02:07:50
 Interval: **4294.00 ft (KB) To 4343.00 ft (KB) (TVD)**
 Total Depth: 4343.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2189.00 ft (KB)
 2181.00 ft (CF)
 KB to GR/CF: 8.00 ft

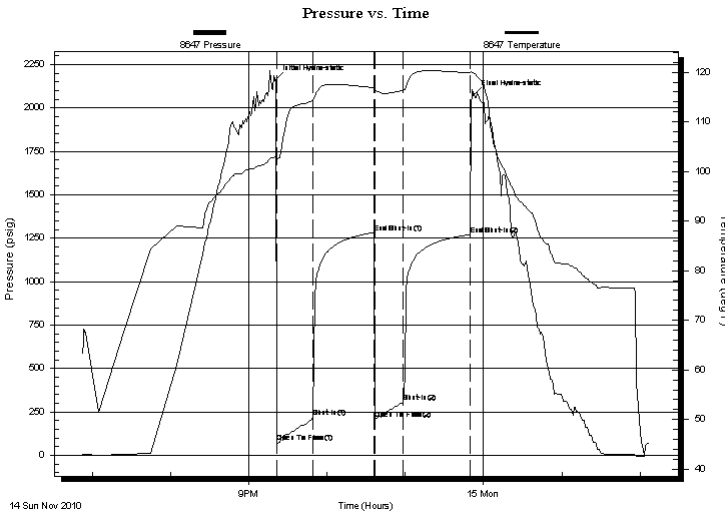
Serial #: 8647

Inside

Press @ Run Depth: 306.54 psig @ 4297.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.11.14 End Date: 2010.11.15 Last Calib.: 2010.11.15
 Start Time: 18:52:26 End Time: 02:07:50 Time On Btm: 2010.11.14 @ 21:20:21
 Time Off Btm: 2010.11.14 @ 23:52:20

TEST COMMENT: IFP - BOB 5 min
 ISI - 6" blow back - died 26 min
 FFP - BOB 5 min
 FSI - 1 1/2" blow back - died 8 min

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2162.00 | 103.04 | Initial Hydro-static |
| 1 | 74.33 | 102.58 | Open To Flow (1) |
| 29 | 217.95 | 114.31 | Shut-In(1) |
| 76 | 1283.39 | 116.89 | End Shut-In(1) |
| 77 | 211.20 | 116.43 | Open To Flow (2) |
| 98 | 306.54 | 116.34 | Shut-In(2) |
| 149 | 1271.48 | 119.88 | End Shut-In(2) |
| 152 | 2076.81 | 119.77 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------------|--------------|
| 310.00 | GHOCM 25%G, 35%O, 40%M | 4.07 |
| 125.00 | GMCO 10%G, 70%O, 20%M | 1.75 |
| 345.00 | G FREE OIL 10%G, 85%O, 5%M | 4.84 |
| 0.00 | 250' GIP | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNOC

Marvin Saxton Unit 1-30

PO Box 372
Hays, Ks
67601
ATTN: Gator

30-20-20/Pawnee

Job Ticket: 40936 **DST#: 1**
Test Start: 2010.11.14 @ 18:52:26

Mud and Cushion Information

| | | |
|-----------------------------------|----------------------------|---------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 31 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: ppm |
| Viscosity: 59.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 11.18 in ³ | Gas Cushion Type: | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 5000.00 ppm | | |
| Filter Cake: inches | | |

Recovery Information

Recovery Table

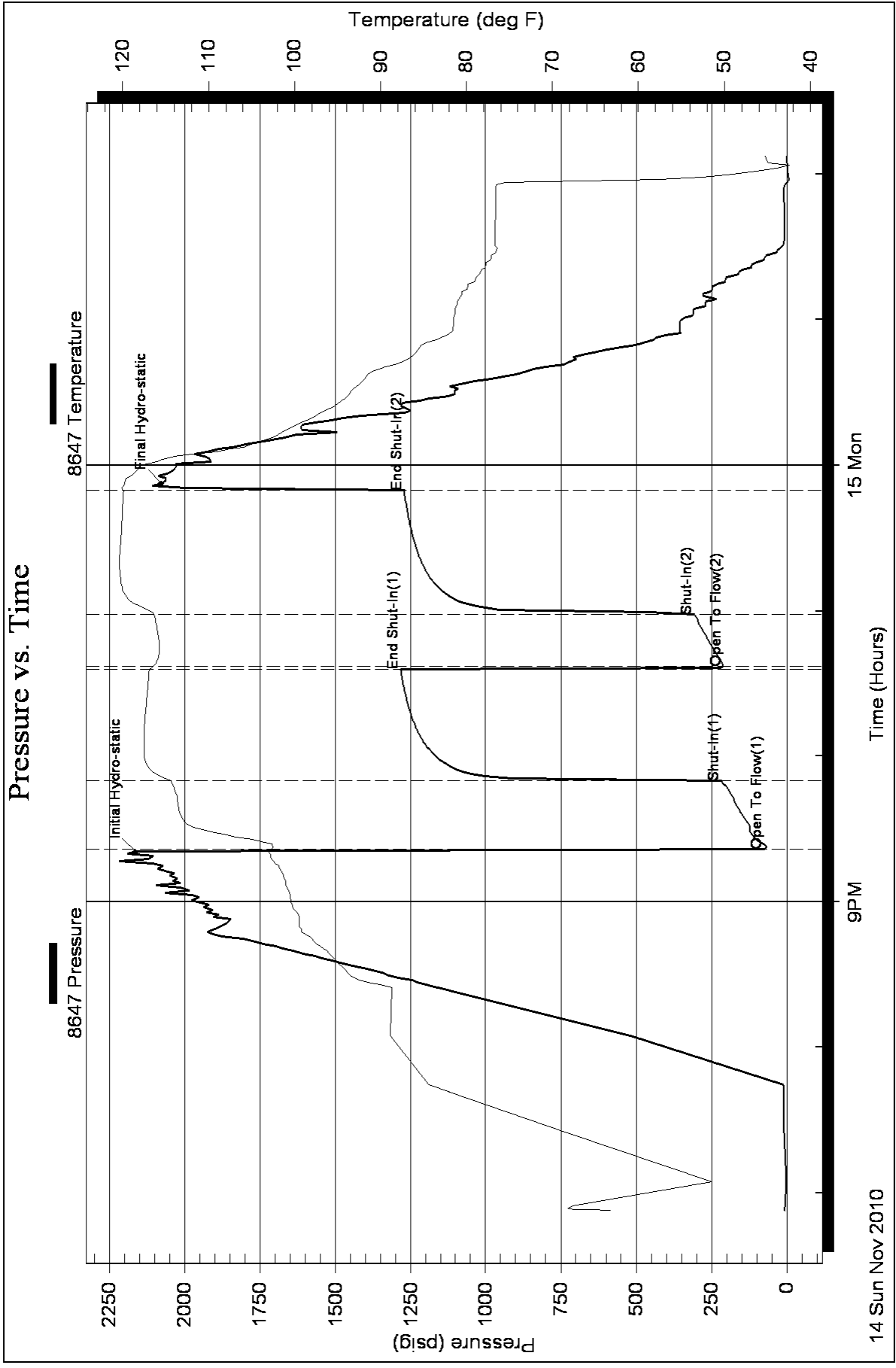
| Length ft | Description | Volume bbl |
|--------------|----------------------------|---------------|
| 310.00 | GHOCM 25%G, 35%O, 40%M | 4.066 |
| 125.00 | GMCO 10%G, 70%O, 20%M | 1.753 |
| 345.00 | G FREE OIL 10%G, 85%O, 5%M | 4.839 |
| 0.00 | 250' GIP | 0.000 |

Total Length: 780.00 ft Total Volume: 10.658 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



ALLIED CEMENTING CO., LLC. 30136

Federal Tax I.D.# 20-5975804

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

| | | | | | | | |
|--------------------------------|--------------------|-------------------------------------|----------------------|------------------|-------------|------------------------|-------------------------|
| DATE <u>11-9-10</u> | SEC. <u>30</u> | TWP. <u>20</u> | RANGE <u>20</u> | CALLED OUT | ON LOCATION | JOB START <u>8:15p</u> | JOB FINISH <u>9:15p</u> |
| LEASE <u>Manning Saxton</u> | WELL # <u>1-30</u> | LOCATION <u>Alexander 135 1/2 W</u> | COUNTY <u>Rauver</u> | STATE <u>Ks.</u> | | | |
| OLD OR <u>NEW</u> (Circle one) | | | | | | | |

CONTRACTOR Discovery #4
 TYPE OF JOB Surface Job
 HOLE SIZE 12 1/4 T.D. 1160
 CASING SIZE 8 7/8 DEPTH 1160
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 42.70
 CEMENT LEFT IN CSG. 42.70
 PERFS. _____
 DISPLACEMENT 71.15 bbl

OWNER _____
 CEMENT AMOUNT ORDERED 450 Con 3800 2861

| | | | | |
|----------|--------------------|---|--------------|----------------|
| COMMON | <u>450</u> | @ | <u>13.50</u> | <u>6075.00</u> |
| POZMIX | | @ | | |
| GEL | <u>8</u> | @ | <u>20.25</u> | <u>162.00</u> |
| CHLORIDE | <u>16</u> | @ | <u>51.50</u> | <u>824.00</u> |
| ASC | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| HANDLING | <u>450</u> | @ | <u>2.25</u> | <u>1012.50</u> |
| MILEAGE | <u>110/56/mile</u> | | | <u>900.00</u> |
| | | | | <u>2.50</u> |
| TOTAL | | | | <u>8973.50</u> |

EQUIPMENT

PUMP TRUCK CEMENTER Shane
 # 409 HELPER Ron B.
 BULK TRUCK
 # 481 DRIVER Gary TWS
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Ran 27 jts. + Canding jt.
Baffle Plate @ 1117.3
Threed 450 sks
Cement Circ.

CHARGE TO: Downing
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 991.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 20 @ 7.00 140.00
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL 1131.00

PLUG & FLOAT EQUIPMENT

Baffle Plate @ _____ 67.20
Rubber Plug @ _____ 74.00

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) to assist owner or

Thanks!

JOB LOG

SWIFT Services, Inc.

DATE 11-15-10 PAGE NO. 1

CUSTOMER DOWNING DEASON

WELL NO. 1-30

LEASE MARLIN SAXTON UNIT

JOB TYPE LOGGING

TICKET NO. 19237

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL/GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 1600 | | | | | | | ON LOCATION CMT : 175 SWS STD EA 2 |
| | | | | | | | | RTD 4343, SET P. REC 4335, SET 23.47, TUBING 4313 5 1/2 14 3/4" FORMATION PWR SHOES CMT 1,3,5,7,9,11 BASKET 4 JOINTS OUT 30,44,50 |
| | 1715 | | | | | | | START CSHA FLOTTER TAC BOTTOM, PULL UP BREAK CIRC |
| | 1950 | | | | / | | 1800 | DROP BALL, SET PWR SHOES |
| | 1950 | | 7.5 | | | | | PLUG RH 30, MH 20 |
| | 2000 | 5.0 | 12 | | / | | 300 | MUD FLUSH 500 GALS |
| | | | 20 | | / | | | MCL FLUSH |
| | | | 31.5 | | / | | | CMT 125 SWS DROP L.D. PLUG, WASHOUT PL |
| | 2015 | 7.0 | 0 | | / | | 300 | START DISP |
| | | | 74.5 | | / | | 300 | CMT ON BOTTOM |
| | | | 90.0 | | - | | 700 | |
| | | | 95.0 | | - | | 700 | |
| | | | 100.0 | | - | | 800 | |
| | 2030 | 4.7 | 105.2 | | - | | 1500 | LAND PLUG RELEASE |
| | | | | | | | | JOB COMPLETE THANK YOU! DAVE, JOSH, BOB |