



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: _____



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: _____ _____ |
|---|---|--|

ALLIED OIL & GAS SERVICES, LLC 059228

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Grantburg KS

| | | | | | | | |
|-------------------------|-------------------|-----------------------------------|------------------|------------|----------------------|------------------------|-------------------------|
| DATE <u>1-4-12</u> | SEC. <u>4</u> | TWP. <u>20S</u> | RANGE <u>16W</u> | CALLED OUT | ON LOCATION | JOB START <u>10:30</u> | JOB FINISH <u>11:30</u> |
| LEASE # <u>Hagerman</u> | WELL # <u>4-1</u> | LOCATION <u>Albert 4th Rd 370</u> | | | COUNTY <u>Platte</u> | STATE <u>KS</u> | |
| OLD OR NEW (Circle one) | | <u>510 2 Rd New Grant</u> | | | | | |

CONTRACTOR Royal Drilling #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 6 5/8 DEPTH 1075
 TUBING SIZE DEPTH
 DRILL PIPE 1 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 20 FT
 PERFS.
 DISPLACEMENT 67.20 bbls

EQUIPMENT
 PUMP TRUCK CEMENTER Wayne Davis
 # 3-14-112 HELPER Dustin Chandler
 BULK TRUCK
 # 1029-112 DRIVER Kevin Williams
 BULK TRUCK
 # 3-14-170 DRIVER Alan Coenraex

REMARKS:

Break circulation with Big iron
mix 325 sks 85/35 Plug 3 hrs 1st
mix 150 sks class A Plug 2 hrs
Displace 67.20 bbls Cement
Final plug volume 1000#
Cement lost circulation
plug down 11:00
Big iron

OWNER _____
 CEMENT
 AMOUNT ORDERED 325 sks 85/35 Plug!
34 cc 1/4 flt
150 sks class A 34 cc Plug
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

CHARGE TO: Southwind Petroleum Corp
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

3-6 5/8 Centralizers @ _____
1-6 5/8 Bongor @ _____
1-6 5/8 Baffle plate @ _____
1-6 5/8 Rubber disc @ _____

ALLIED OIL & GAS SERVICES, LLC 059175

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Neot Band 16

| | | | | | | | |
|--------------------------------|------------------|---------------------------------------|---|---------------------------|----------------------------|---------------------------|----------------------------|
| DATE <u>1-13-13</u> | SEC. <u>4</u> | TWP. <u>20</u> | RANGE <u>16</u> | CALLED OUT <u>3:45 AM</u> | ON LOCATION <u>5:00 AM</u> | JOB START <u>10:00 AM</u> | JOB FINISH <u>11:00 AM</u> |
| LEASE <u>Eilon</u> | WELL# <u>1-4</u> | LOCATION <u>Neot Band 10" Pattern</u> | | | COUNTY <u>Polk</u> | STATE <u>Mo</u> | |
| OLD OR <u>NEW</u> (Circle one) | | | Location <u>12 W to 370 W, 1 South, 1/2 West 5/2 Side</u> | | | | |

| | |
|------------------------------------|-------------------------|
| CONTRACTOR <u>Raymond Daley #1</u> | OWNER <u>Same</u> |
| TYPE OF JOB <u>Production</u> | |
| HOLE SIZE <u>7 7/8</u> | T.D. <u>3900'</u> |
| CASING SIZE <u>5 1/2</u> | DEPTH |
| TUBING SIZE | DEPTH |
| DRILL PIPE | DEPTH |
| TOOL | DEPTH |
| PRES. MAX <u>1300</u> | MINIMUM <u>800</u> |
| MEAS. LINE | SHOE JOINT <u>20.55</u> |
| CEMENT LEFT IN CSG. <u>20.55</u> | |
| PERFS. | |
| DISPLACEMENT <u>92.44 bbls</u> | |

CEMENT
AMOUNT ORDERED 145 lbs ASC 10% Salt
270 gal, 620 gal, 5* Galvanneal/ck
500 gal DV 1100 , 14 Fl-160, 20# Delformer

- COMMON _____ @ _____
- POZMIX _____ @ _____
- GEL _____ @ _____
- CHLORIDE _____ @ _____
- ASC _____ @ _____
- _____ @ _____
- _____ @ _____
- _____ @ _____
- _____ @ _____
- _____ @ _____
- _____ @ _____
- _____ @ _____
- HANDLING _____ @ _____
- MILEAGE _____ @ _____

EQUIPMENT

| | |
|------------------|---|
| PUMP TRUCK | CEMENTER <u>Tom Anderson - District</u> |
| # <u>316</u> | HELPER <u>Kevin Eddy Helgeuer</u> |
| BULK TRUCK | |
| # <u>609-112</u> | DRIVER <u>Don Carpenter</u> |
| BULK TRUCK | |
| # _____ | DRIVER <u>Charles Kumpson</u> |

REMARKS: FI-160 + 180 gal

Run 3900' of 5 1/2" csg. Break circulation.
Circulated 1 hour. Pumped 500 gal of
DV 1100 Flush, Mixed 100 lbs ASC 10% Salt, 270 gal, 620 gal, 5* Galvanneal/ck
Fl-160-20# Delformer. Worked up.
Released Plug. Annulled with flush H₂O.
Landed Plug at 1300'. Released float. Hold
Plugged annular w/ 30 lb Mowabite w/ 15 lbs.

| | |
|-----------------------------|-------|
| TOTAL | _____ |
| SERVICE | |
| DEPTH OF JOB <u>3900'</u> | _____ |
| PUMP TRUCK CHARGE _____ | _____ |
| EXTRA FOOTAGE _____ @ _____ | _____ |
| MILEAGE _____ @ _____ | _____ |
| MANIFOLD _____ @ _____ | _____ |
| _____ @ _____ | _____ |
| _____ @ _____ | _____ |
| TOTAL | _____ |

CHARGE TO: South Wind Petroleum, Corp

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

| | |
|-----------------------------|---------|
| 1- <u>5 1/2" Guide Shoe</u> | @ _____ |
| 1- <u>Afl Insert</u> | @ _____ |
| 5- <u>Centrifuges</u> | @ _____ |
| 1- <u>Rubber Plug</u> | @ _____ |

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment



DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum Cop**

1400 W 14th st Wichita Ks 67203-2901

ATTN: Bob Williams

Eileen Hagerman 4-1

04-20-16s Pawnee

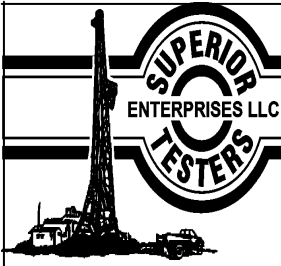
Start Date: 2013.01.11 @ 09:08:00

End Date: 2013.01.11 @ 15:43:30

Job Ticket #: 16998 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.01.11 @ 16:03:18



DRILL STEM TEST REPORT

Southwind Petroleum Corp
 1400 W 14th st Wichita Ks 67203-2901
 ATTN: Bob Williams

04-20-16s Pawnee
Eileen Hagerman 4-1
 Job Ticket: 16998 **DST#: 1**
 Test Start: 2013.01.11 @ 09:08:00

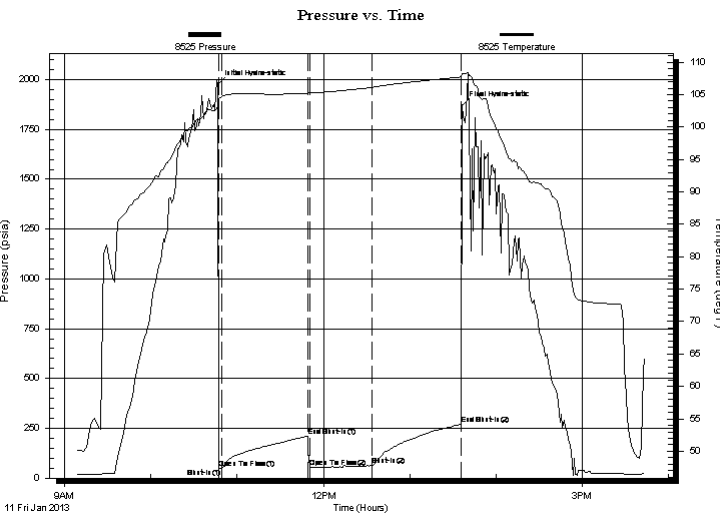
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:47:30 Tester: Jared Scheck
 Time Test Ended: 15:43:30 Unit No: 3320-Great Bend -30
 Interval: **3733.00 ft (KB) To 3746.00 ft (KB) (TVD)** Reference Elevations: 2025.00 ft (KB)
 Total Depth: 3746.00 ft (KB) (TVD) 2023.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 2.00 ft

Serial #: 8525

Press@RunDepth: 64.67 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.11 End Date: 2013.01.11 Last Calib.: 2013.01.11
 Start Time: 09:08:00 End Time: 15:43:30 Time On Btm: 2013.01.11 @ 10:46:30
 Time Off Btm: 2013.01.11 @ 13:36:30

TEST COMMENT: 1st Opening 2 Minutes-Strong blow built bottom of bucket w ater in 45 sec
 1st Shut-in 60 Minutes-1/2 inch blow back
 2nd Opening 45 Minutes-Weak blow built bottom of bucket in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

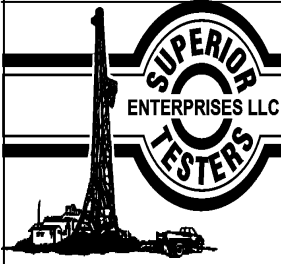
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1977.29 | 103.29 | Initial Hydro-static |
| 1 | 49.05 | 104.43 | Open To Flow (1) |
| 3 | 49.14 | 104.69 | Shut-In(1) |
| 63 | 212.20 | 105.22 | End Shut-In(1) |
| 64 | 51.89 | 105.25 | Open To Flow (2) |
| 107 | 64.67 | 106.10 | Shut-In(2) |
| 169 | 269.89 | 107.71 | End Shut-In(2) |
| 170 | 1870.95 | 108.26 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 30.00 | mud | 0.00 |
| 0.00 | 450 feet gas in pipe | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

Southwind Petroleum Corp
 1400 W 14th st Wichita Ks 67203-2901
 ATTN: Bob Williams

04-20-16s Pawnee
Eileen Hagerman 4-1
 Job Ticket: 16998 **DST#: 1**
 Test Start: 2013.01.11 @ 09:08:00

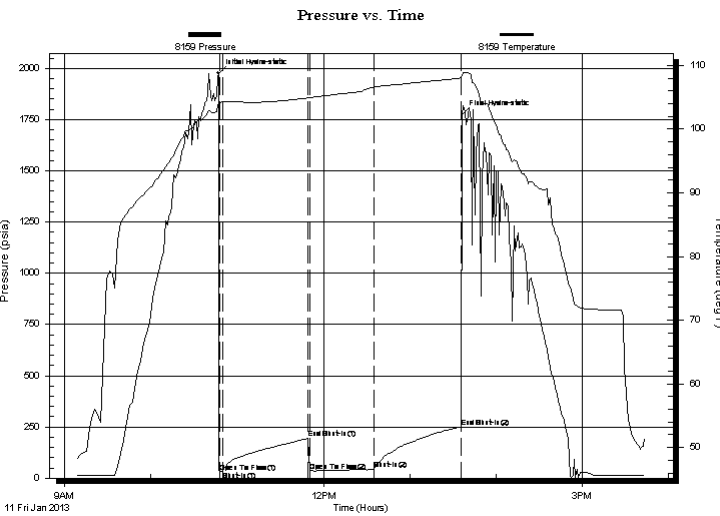
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:47:30 Tester: Jared Scheck
 Time Test Ended: 15:43:30 Unit No: 3320-Great Bend -30
 Interval: **3733.00 ft (KB) To 3746.00 ft (KB) (TVD)** Reference Elevations: 2025.00 ft (KB)
 Total Depth: 3746.00 ft (KB) (TVD) 2023.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 2.00 ft

Serial #: 8159

Press@RunDepth: 250.19 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.11 End Date: 2013.01.11 Last Calib.: 2013.01.11
 Start Time: 09:08:00 End Time: 15:44:00 Time On Btm: 2013.01.11 @ 10:47:00
 Time Off Btm: 2013.01.11 @ 13:36:30

TEST COMMENT: 1st Opening 2 Minutes-Strong blow built bottom of bucket w ater in 45 sec
 1st Shut-in 60 Minutes-1/2 inch blow back
 2nd Opening 45 Minutes-Weak blow built bottom of bucket in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

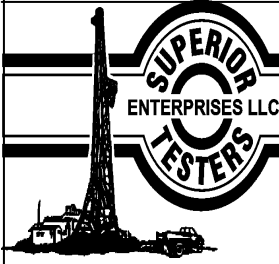
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1975.97 | 104.03 | Initial Hydro-static |
| 1 | 30.36 | 104.12 | Open To Flow (1) |
| 3 | 33.04 | 104.31 | Shut-In(1) |
| 63 | 194.87 | 104.91 | End Shut-In(1) |
| 64 | 35.09 | 104.94 | Open To Flow (2) |
| 108 | 44.37 | 106.60 | Shut-In(2) |
| 169 | 250.19 | 108.03 | End Shut-In(2) |
| 170 | 1774.26 | 108.50 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 30.00 | mud | 0.00 |
| 0.00 | 450 feet gas in pipe | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Southwind Petroleum Corp
 1400 W 14th st Wichita Ks 67203-2901
 ATTN: Bob Williams

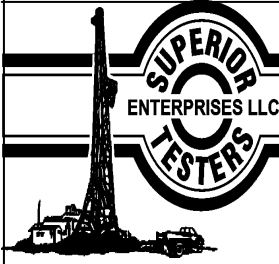
04-20-16s Pawnee
Eileen Hagerman 4-1
 Job Ticket: 16998 **DST#: 1**
 Test Start: 2013.01.11 @ 09:08:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------------|------------------------------------|
| Drill Pipe: | Length: 3711.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Tool Weight: 1000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 0.00 bbl</u> | Tool Chased 1.00 ft |
| Drill Pipe Above KB: | 4.00 ft | | | String Weight: Initial 55000.00 lb |
| Depth to Top Packer: | 3733.00 ft | | | Final 55000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 13.00 ft | | | |
| Tool Length: | 39.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments: Ruined packer

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Shut-In Tool | 5.00 | | | 3712.00 | |
| Hydraulic Tool | 5.00 | | | 3717.00 | |
| Jars | 6.00 | | | 3723.00 | |
| Packer | 5.00 | | | 3728.00 | 26.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3733.00 | |
| Anchor | 8.00 | | | 3741.00 | |
| Recorder | 1.00 | 8525 | Inside | 3742.00 | |
| Recorder | 1.00 | 8159 | Outside | 3743.00 | |
| Bullnose | 3.00 | | | 3746.00 | 13.00 Bottom Packers & Anchor |
| Total Tool Length: | 39.00 | | | | |



DRILL STEM TEST REPORT

FLUID SUMMARY

Southw ind Petroluem Cop
 1400 W 14th st Wichita Ks 67203-2901
 ATTN: Bob Williams

04-20-16s Pawnee
Eileen Hagerman 4-1
 Job Ticket: 16998 **DST#: 1**
 Test Start: 2013.01.11 @ 09:08:00

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: | ppm |
| Viscosity: 50.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.60 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 7000.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

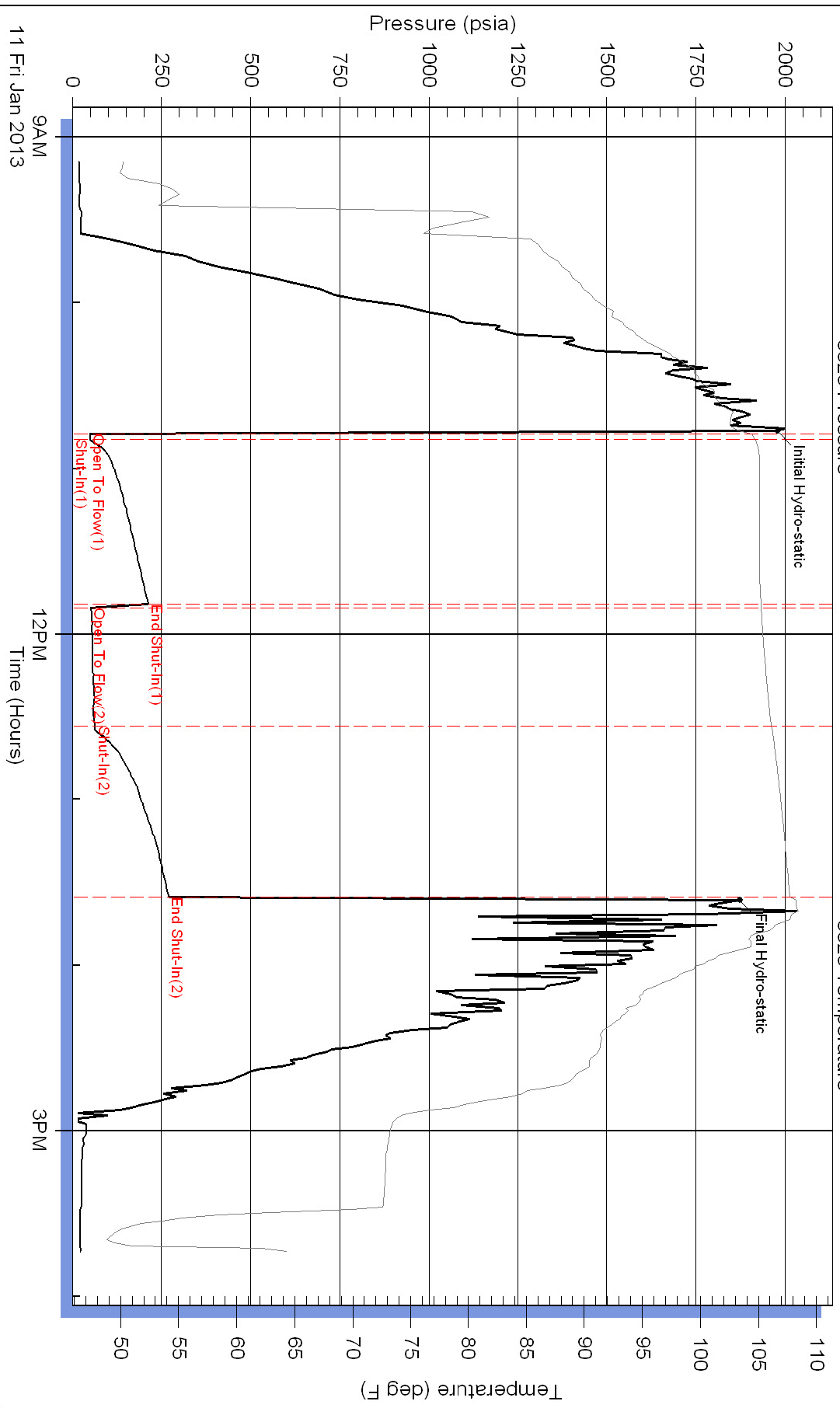
Recovery Information

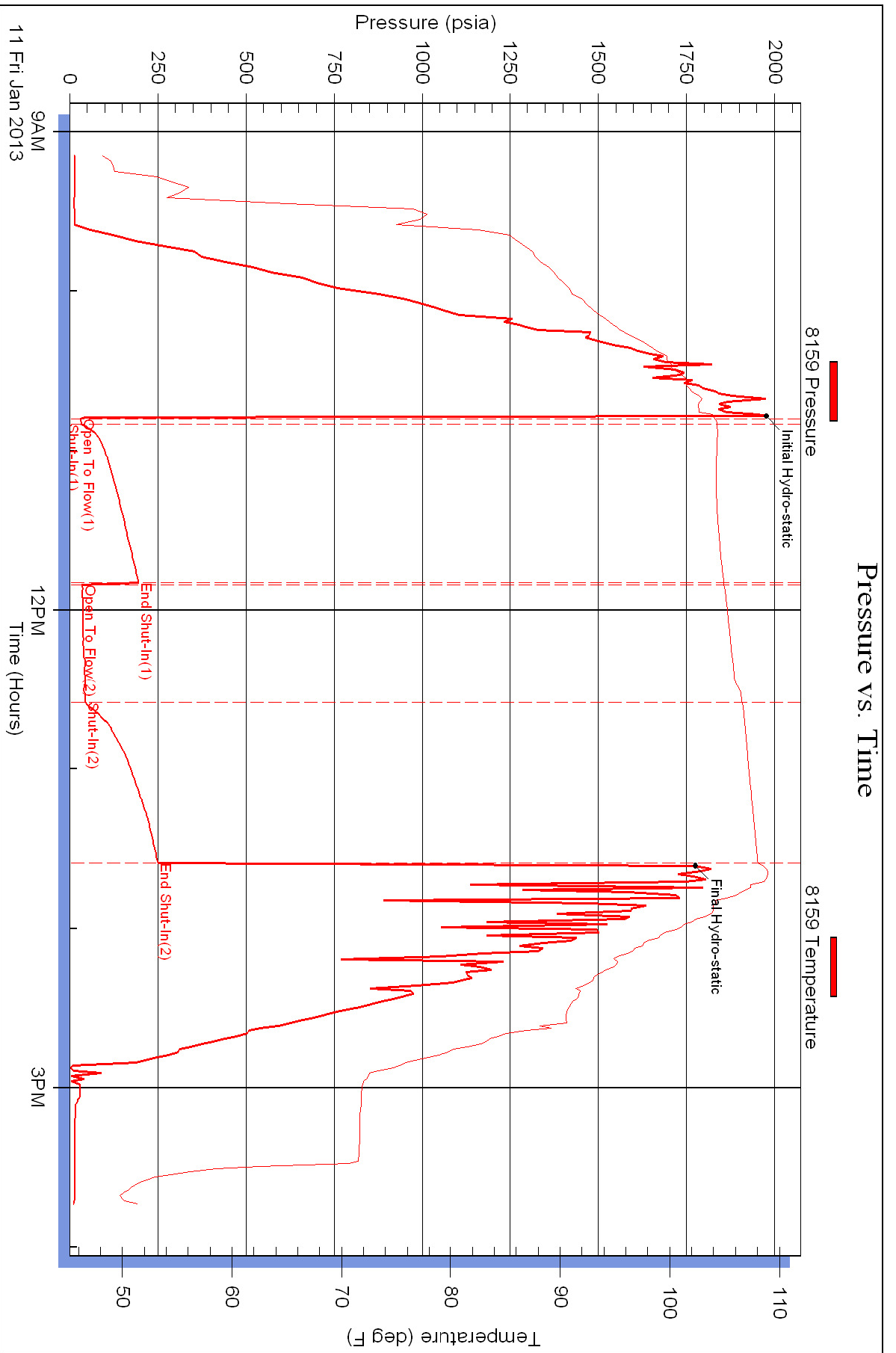
Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------|---------------|
| 30.00 | mud | 0.000 |
| 0.00 | 450 feet gas in pipe | 0.000 |

Total Length: 30.00 ft Total Volume: bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Ruined packer

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum Cop**

1400 W 14th st Wichita Ks 67203-2901

ATTN: Bob Williams

Eileen Hagerman 4-1

04-20-16s Pawnee

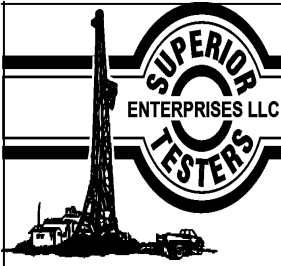
Start Date: 2013.01.11 @ 22:28:00

End Date: 2013.01.12 @ 04:20:30

Job Ticket #: 16999 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.01.12 @ 04:36:17



DRILL STEM TEST REPORT

Southwind Petroleum Corp
 1400 W 14th st Wichita Ks 67203-2901
 ATTN: Bob Williams

04-20-16s Pawnee
Eileen Hagerman 4-1
 Job Ticket: 16999 **DST#: 2**
 Test Start: 2013.01.11 @ 22:28:00

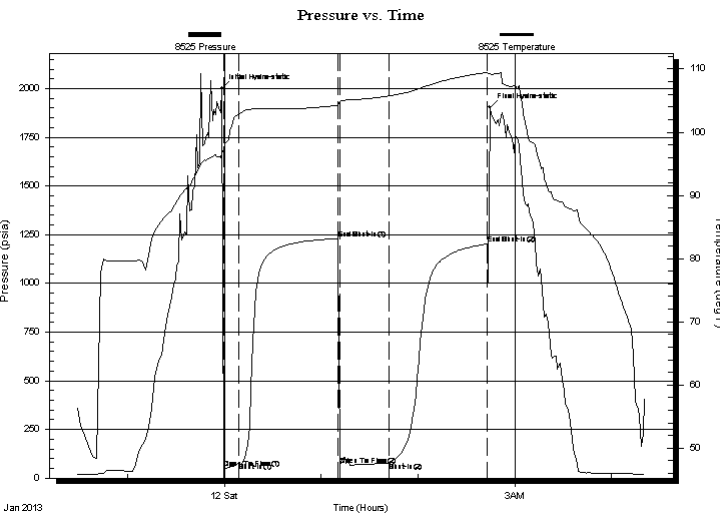
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 23:59:30 Tester: Jared Scheck
 Time Test Ended: 04:20:30 Unit No: 3320- Great Bend-30
 Interval: **3746.00 ft (KB) To 3762.00 ft (KB) (TVD)** Reference Elevations: 2025.00 ft (KB)
 Total Depth: 3762.00 ft (KB) (TVD) 2023.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 2.00 ft

Serial #: 8525

Press@RunDepth: 78.98 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.11 End Date: 2013.01.12 Last Calib.: 2013.01.12
 Start Time: 22:28:00 End Time: 04:20:30 Time On Btm: 2013.01.11 @ 23:58:30
 Time Off Btm: 2013.01.12 @ 02:44:30

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 2 inches into bucket w ater in 10 minutes
 1st Shut-in 60 Minutes-Very weak surface surge
 2nd Opening 30 Minutes-Weak blow built 2 1/2 inches into bucket w ater in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

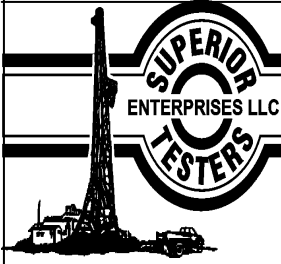
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2000.34 | 96.74 | Initial Hydro-static |
| 1 | 52.52 | 97.17 | Open To Flow (1) |
| 11 | 79.38 | 102.86 | Shut-In(1) |
| 72 | 1230.39 | 104.23 | End Shut-In(1) |
| 73 | 65.39 | 104.81 | Open To Flow (2) |
| 104 | 78.98 | 105.75 | Shut-In(2) |
| 165 | 1201.68 | 109.46 | End Shut-In(2) |
| 166 | 1903.59 | 109.23 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 20.00 | mud | 0.28 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

Southwind Petroleum Corp
 1400 W 14th st Wichita Ks 67203-2901
 ATTN: Bob Williams

04-20-16s Pawnee
Eileen Hagerman 4-1
 Job Ticket: 16999 **DST#: 2**
 Test Start: 2013.01.11 @ 22:28:00

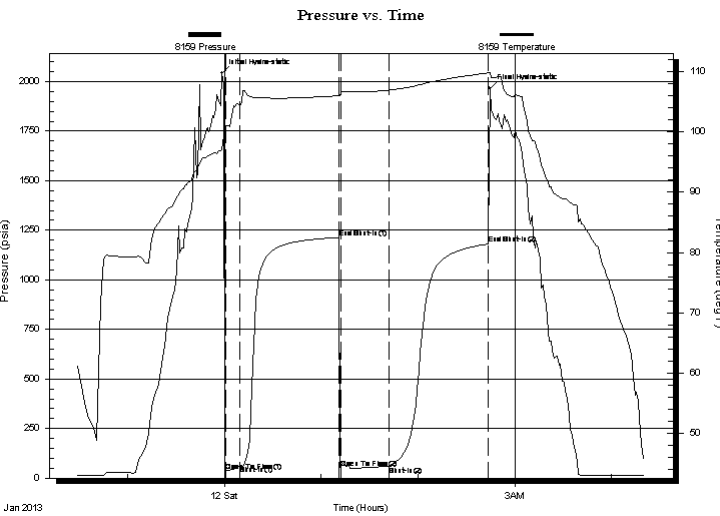
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 23:59:30 Tester: Jared Scheck
 Time Test Ended: 04:20:30 Unit No: 3320- Great Bend-30
 Interval: **3746.00 ft (KB) To 3762.00 ft (KB) (TVD)** Reference Elevations: 2025.00 ft (KB)
 Total Depth: 3762.00 ft (KB) (TVD) 2023.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 2.00 ft

Serial #: 8159

Press@RunDepth: 1180.79 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.11 End Date: 2013.01.12 Last Calib.: 2013.01.12
 Start Time: 22:28:00 End Time: 04:21:00 Time On Btm: 2013.01.11 @ 23:58:30
 Time Off Btm: 2013.01.12 @ 02:44:30

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 2 inches into bucket w ater in 10 minutes
 1st Shut-in 60 Minutes-Very weak surface surge
 2nd Opening 30 Minutes-Weak blow built 2 1/2 inches into bucket w ater in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

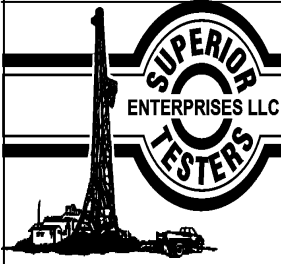
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2041.84 | 97.02 | Initial Hydro-static |
| 2 | 36.56 | 100.93 | Open To Flow (1) |
| 11 | 64.18 | 104.43 | Shut-In(1) |
| 73 | 1213.73 | 106.02 | End Shut-In(1) |
| 74 | 48.26 | 106.39 | Open To Flow (2) |
| 104 | 59.19 | 106.93 | Shut-In(2) |
| 165 | 1180.79 | 109.77 | End Shut-In(2) |
| 166 | 1965.66 | 109.87 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 20.00 | mud | 0.28 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

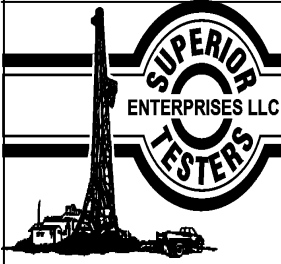
Southwind Petroleum Corp
 1400 W 14th st Wichita Ks 67203-2901
 ATTN: Bob Williams

04-20-16s Pawnee
Eileen Hagerman 4-1
 Job Ticket: 16999 **DST#:2**
 Test Start: 2013.01.11 @ 22:28:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3740.00 ft | Diameter: 3.80 inches | Volume: 52.46 bbl | Tool Weight: 1000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 64000.00 lb |
| | | | <u>Total Volume: 52.46 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 22.00 ft | | | String Weight: Initial 55000.00 lb |
| Depth to Top Packer: | 3746.00 ft | | | Final 55000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 16.00 ft | | | |
| Tool Length: | 44.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |
| Tool Comments: | | | | |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Shut-In Tool | 5.00 | | | 3723.00 | |
| Hydraulic Tool | 5.00 | | | 3728.00 | |
| Jars | 6.00 | | | 3734.00 | |
| Safety Joint | 2.00 | | | 3736.00 | |
| Packer | 5.00 | | | 3741.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3746.00 | |
| Anchor | 14.00 | | | 3760.00 | |
| Recorder | 1.00 | 8525 | Inside | 3761.00 | |
| Recorder | 1.00 | 8159 | Outside | 3762.00 | 16.00 Bottom Packers & Anchor |
| Total Tool Length: | 44.00 | | | | |



DRILL STEM TEST REPORT

FLUID SUMMARY

Southwind Petroleum Corp
1400 W 14th st Wichita Ks 67203-2901
ATTN: Bob Williams

04-20-16s Pawnee
Eileen Hagerman 4-1
Job Ticket: 16999 **DST#: 2**
Test Start: 2013.01.11 @ 22:28:00

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: | ppm |
| Viscosity: | 50.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 9.60 in ³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psia | | |
| Salinity: | 7000.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 20.00 | mud | 0.281 |

Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

