



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
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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
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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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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## DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum Corporation**

1400 West 14th Street  
Wichita, Kansas 67203+2901

ATTN: Robert Williams

**Elleen Hagerman #4-2**

**4/20S/16W/Pawnee**

Start Date: 2013.01.20 @ 15:28:00

End Date: 2013.01.20 @ 23:00:00

Job Ticket #: 16947                      DST #: 1

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

Printed: 2013.01.21 @ 03:14:30



# DRILL STEM TEST REPORT

Southwind Petroleum Corporation  
 1400 West 14th Street  
 Wichita, Kansas 67203+2901  
 ATTN: Robert Williams

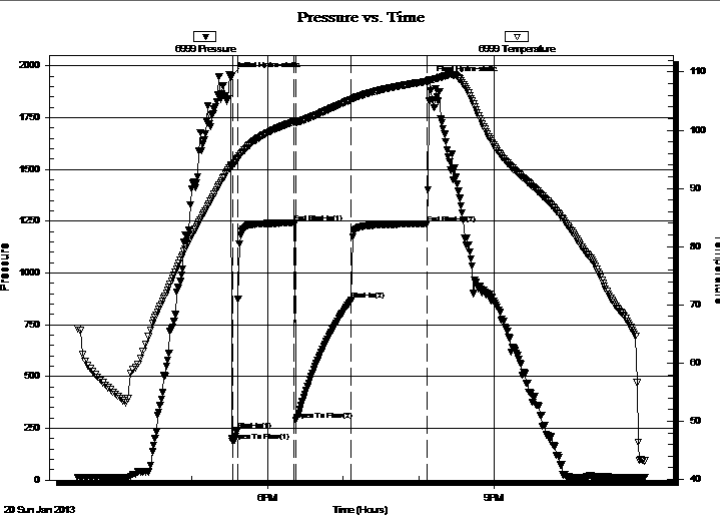
**4/20S/16W/Pawnee**  
**Elleen Hagerman #4-2**  
 Job Ticket: 16947 **DST#: 1**  
 Test Start: 2013.01.20 @ 15:28:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Initial)  
 Time Tool Opened: 17:32:00 Tester: Ken Swinney  
 Time Test Ended: 23:00:00 Unit No: 3325 Great Bend/  
 Interval: **3747.00 ft (KB) To 3789.00 ft (KB) (TVD)** Reference Elevations: 2028.00 ft (KB)  
 Total Depth: 3901.00 ft (KB) (TVD) 2021.00 ft (CF)  
 Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

**Serial #: 6999 Inside**  
 Press @ RunDepth: 869.56 psia @ 3783.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.01.20 End Date: 2013.01.20 Last Calib.: 2013.01.21  
 Start Time: 15:28:00 End Time: 23:00:00 Time On Btm: 2013.01.20 @ 17:31:00  
 Time Off Btm: 2013.01.20 @ 20:09:00

**TEST COMMENT:** 1ST Open 5 Minutes/Strong blow/Blow built to bottom of bucket in 1 minute  
 1ST Shut In 45 Minutes/Blow back built to 5 inches  
 2ND Open 45 Minutes/Strong blow/Blow built to bottom of bucket in 1 minute 15 seconds  
 2ND Shut In 60 Minutes/Blow back built to 3 inches



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1950.85	93.96	Initial Hydro-static
1	187.63	93.91	Open To Flow (1)
5	241.13	95.01	Shut-In(1)
50	1241.17	101.42	End Shut-In(1)
52	288.28	101.33	Open To Flow (2)
96	869.56	105.24	Shut-In(2)
156	1237.93	108.36	End Shut-In(2)
158	1927.91	108.69	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
420.00	Oil and gas cut w watery mud	5.89
0.00	Oil 3% Gas 5% Water 42% Mud 50%	0.00
1320.00	Oil, Mud, and Gas cut Water	18.52
0.00	Oil 5% Mud 5% Gas 5% Water 85%	0.00
0.00	Recovery Chlorides 32,000 ppm	0.00
0.00	Recov. Resist. .21 ohms @ 55 deg	0.00

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)





# DRILL STEM TEST REPORT

TOOL DIAGRAM

Southwind Petroleum Corporation

4/20S/16W/Pawnee

1400 West 14th Street  
Wichita, Kansas 67203+2901

Elleen Hagerman #4-2

Job Ticket: 16947

DST#: 1

ATTN: Robert Williams

Test Start: 2013.01.20 @ 15:28:00

## Tool Information

Drill Pipe:	Length: 3748.00 ft	Diameter: 3.80 inches	Volume: 52.57 bbl	Tool Weight: 2000.00 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: 72000.00 lb
			<u>Total Volume: 52.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.85 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3747.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	3898.80 ft			
Interval between Packers:	151.80 ft			
Tool Length:	175.65 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3728.15	
Hydraulic Tool	5.00			3733.15	
Jars	5.00			3738.15	
Safety Joint	2.00			3740.15	
Packer	5.00			3745.15	23.85 Bottom Of Top Packer
Packer	1.85			3747.00	
Perforations	6.00			3753.00	
Handling Sub	5.00			3758.00	
Perforations	25.00			3783.00	
Recorder	0.00	6999	Inside	3783.00	
Recorder	0.00	6838	Inside	3783.00	
Blank Off Sub	0.68			3783.68	
Travel Collar	1.64			3785.32	
Packer Anchor Side	1.63			3786.95	
Packer Tail Side	1.55			3788.50	
Perforations	6.00			3794.50	
Change Over Sub	0.63			3795.13	
Drill Pipe	94.01			3889.14	
Change Over Sub	0.66			3889.80	
Perforations	6.00			3895.80	
Recorder	0.00	6749	Below	3895.80	
Bullnose	3.00			3898.80	151.80 Bottom Packers & Anchor

**Total Tool Length: 175.65**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Southwind Petroleum Corporation  
 1400 West 14th Street  
 Wichita, Kansas 67203+2901  
 ATTN: Robert Williams

**4/20S/16W/Pawnee**  
**Elleen Hagerman #4-2**  
 Job Ticket: 16947      **DST#: 1**  
 Test Start: 2013.01.20 @ 15:28:00

### 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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

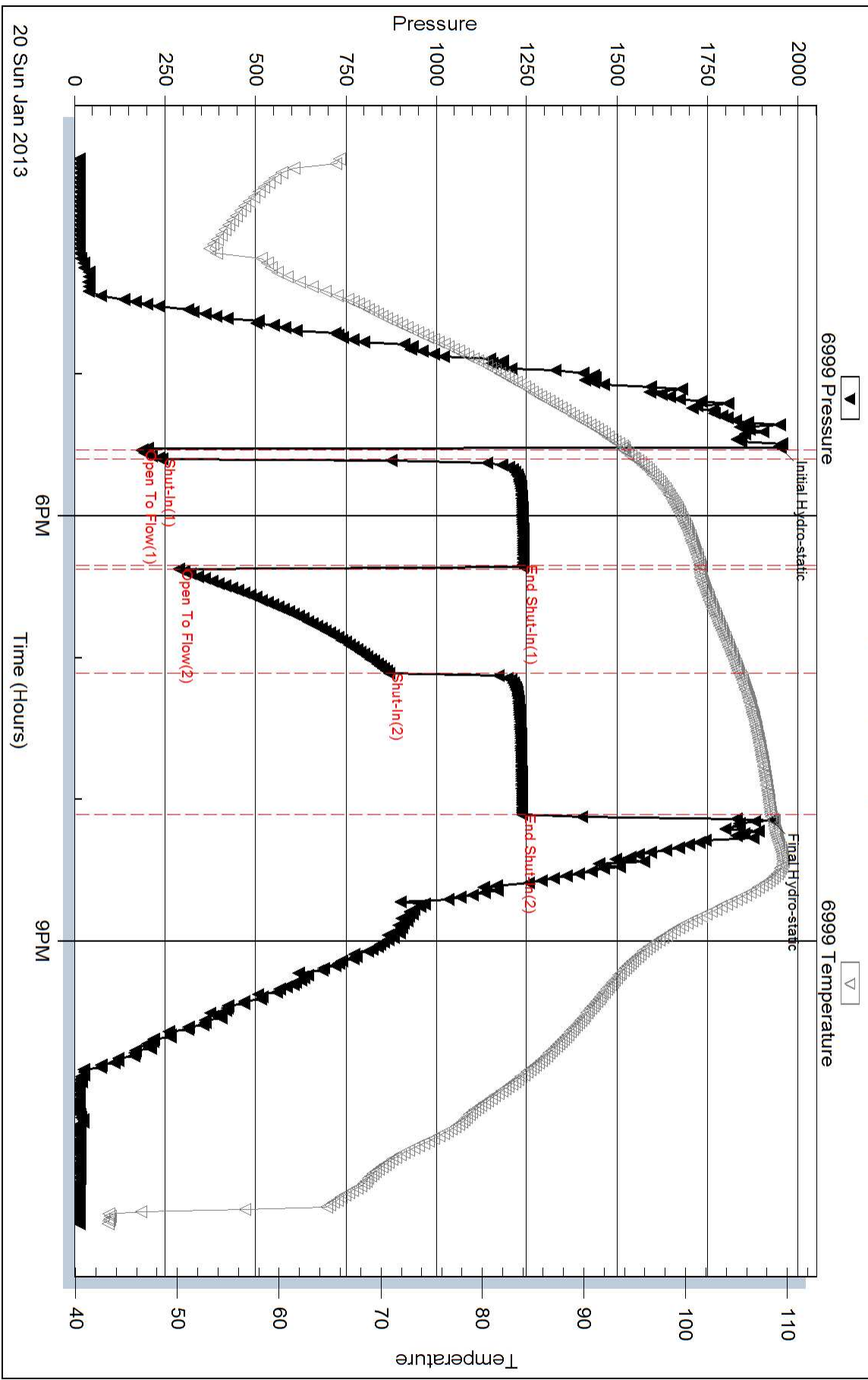
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	Oil and gas cut w atery mud	5.891
0.00	Oil 3% Gas 5% Water 42% Mud 50%	0.000
1320.00	Oil, Mud, and Gas cut Water	18.516
0.00	Oil 5% Mud 5% Gas 5% Water 85%	0.000
0.00	Recovery Chlorides 32,000 ppm	0.000
0.00	Recov. Resist. .21 ohms @ 55 deg	0.000
0.00	360 feet of gas in pipe	0.000

Total Length: 1740.00 ft      Total Volume: 24.407 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time





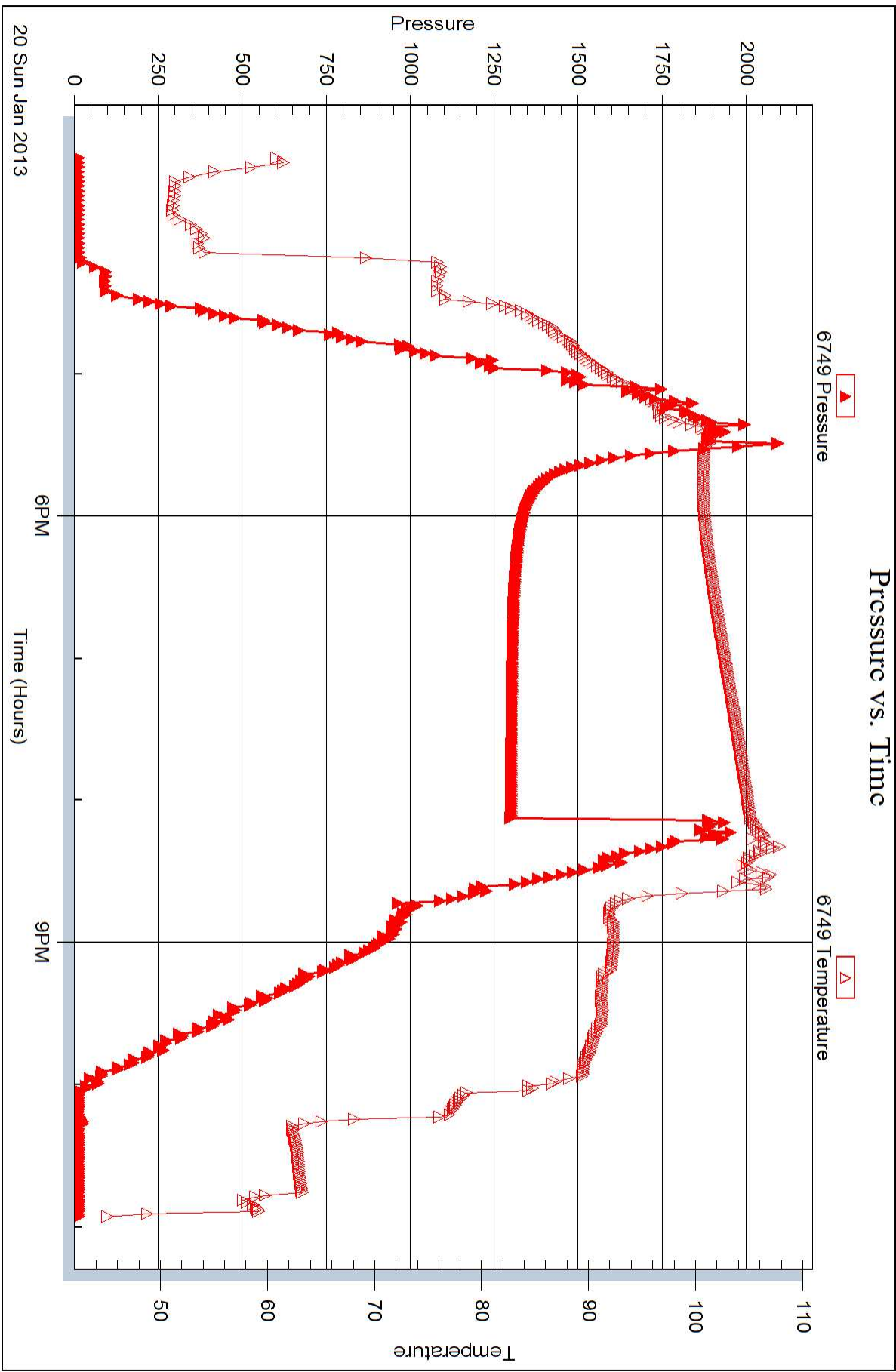
Serial #: 6749

Below

Southw ind Petroleum Corporation

Eileen Hagerman #4-2

DST Test Number: 1



Superior Testers Enterprises LLC

Ref. No: 16947

Printed: 2013.01.21 @ 03:14:31

# ALLIED OIL & GAS SERVICES, LLC 059235

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
(1105/201, 63)

DATE <u>1-15-13</u>	SEC. <u>4</u>	TWP. <u>20S</u>	RANGE <u>6W</u>	CALLED OUT	ON LOCATION <u>3:30 AM</u>	JOB START <u>6:30</u>	JOB FINISH <u>9:30</u>
LEASE <u>Eileen Harperman</u>		WELL# <u>4-2</u>		LOCATION <u>Great Bend, KS 10th &amp; Paxon</u>		COUNTY <u>Lawrence</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>15w 1s 1/2w 5th 20</u>				

CONTRACTOR Royce Drilling  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D.  
 CASING SIZE 6 5/8 DEPTH 1063  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 39.46 ft  
 PERFS.  
 DISPLACEMENT 66.47 bbls

OWNER  
 CEMENT  
 AMOUNT ORDERED 325 gals 65% class A 35%  
 122 gals 1 3/4 cc 1/4 flt  
 150 gals class A 3/4 cc 2/4 gal  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Dustin Chamber S  
 # 266 HELPER Trinx Hull  
 BULK TRUCK  
 # 344-170 DRIVER Charles Kinyon  
 BULK TRUCK  
 # 341 DRIVER Kevin Weighous

**REMARKS:**

Break circulation w. 46 Rig mud  
Mix 325 gals 65/35 6 5/8 1 3/4 flt 6  
mix 150 gals class A 3/4 cc 2 1/4 gal  
Shut Down & Release plug  
Displace 66.47 bbls Freshwater  
Wind plug pressure - 1000 #  
Cement Dis. circulation  
plug Down - 9:30 AM  
Rig Down

CHARGE TO: Southwind Petroleum  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL \_\_\_\_\_

**SERVICE**

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

1 Basket \_\_\_\_\_ @ \_\_\_\_\_  
1 Baffle Plug \_\_\_\_\_ @ \_\_\_\_\_  
1 Rubber Plug \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

# ALLIED OIL & GAS SERVICES, LLC 059225

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Great Bend, KS

DATE <u>1-21-13</u>	SEC. <u>4</u>	TWP. <u>20S</u>	RANGE <u>16W</u>	CALLED OUT <u>7:00AM</u>	ON LOCATION <u>10:00AM</u>	JOB START	JOB FINISH
LEASE <u>E.loan Hagerman</u>		WELL# <u>4-2</u>		LOCATION <u>10<sup>th</sup> St + Patton Rd West to 370<sup>th</sup> d. South 1.75 miles West, 500 South into loc.</u>		COUNTY <u>Pawnee</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Royal Drilling  
 TYPE OF JOB Production Casing  
 HOLE SIZE 7 7/8" T.D. 3900ft  
 CASING SIZE 5 1/2" 14# DEPTH 3889ft  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 15.47  
 CEMENT LEFT IN CSG. 15.47ft, 24bbbs, 1.5sr  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 94.5bbbs Fresh Water

OWNER Southwind Petroleum Corp.

CEMENT  
 AMOUNT ORDERED 145sr ASC + 10% Salt + 2% Gel + 6% Gypsum + 5%sr G. Isonite + 14% F6-160 + 20# Deframer 500gal DV-1100

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Charles E Kin  
 # 398 HELPER Josh Isaac  
 BULK TRUCK  
 # 609/112 DRIVER Alan Genevoux  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Run Guide Shoe, Float Insert + 5 centralizers.  
Pump 12bbbs pre-flush  
Plug Rot Hole with 8bbbs, 30sr Cement  
Pump 32.5bbbs, 115sr Cement  
Drop Plug  
Displace with 94.5bbbs Fresh Water  
Ramp Plug to 1100ps.

TOTAL \_\_\_\_\_

**SERVICE**

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: Southwind Petroleum Corp.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

Weatherford  
1 5/8" Guide Shoe @ \_\_\_\_\_  
1 5/8" AFV Insert @ \_\_\_\_\_  
1 5/8" Top Rubber Plug @ \_\_\_\_\_  
5 5/8" Centralizers @ \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.

You are hereby requested to pay amount...