



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1255016
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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



1255016

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum Corp.**

1400 West 14th Street
Wichita, KS 67203-2901

ATTN: Robert Williams

Dirks #27-2

27-19s-16w Rush, KS

Start Date: 2015.01.15 @ 20:20:00

End Date: 2015.01.16 @ 02:02:00

Job Ticket #: 62069 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.01.16 @ 16:22:13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Southwind Petroleum Corp.

27-19s-16w Rush, KS

1400 West 14th Street
Wichita, KS 67203-2901

Dirks #27-2

Job Ticket: 62069

DST#: 1

ATTN: Robert Williams

Test Start: 2015.01.15 @ 20:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:43:30

Time Test Ended: 02:02:00

Test Type: Conventional Straddle (Initial)

Tester: Gene Budig

Unit No: 60

Interval: 3756.00 ft (KB) To 3764.00 ft (KB) (TVD)

Reference Elevations: 2038.00 ft (KB)

Total Depth: 3898.00 ft (KB) (TVD)

2033.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6651 Outside

Press@RunDepth: 161.46 psig @ 3763.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.15

End Date: 2015.01.16

Last Calib.: 2015.01.16

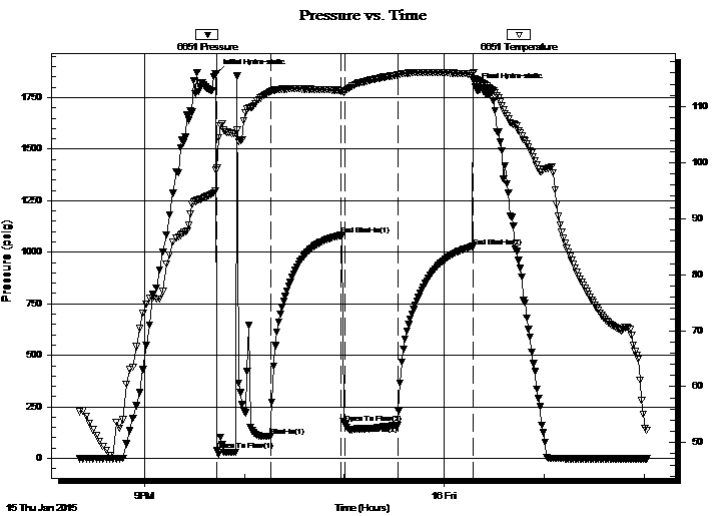
Start Time: 20:21:00

End Time: 02:02:00

Time On Btm: 2015.01.15 @ 21:43:00

Time Off Btm: 2015.01.16 @ 00:18:30

TEST COMMENT: 1st Opening 30 Minutes Surging blow died Flushed tool surging blow built to BOB in 5 minutes
1st Shut-In 45 Minutes- No blow back
2nd Opening 30 Minutes-Fair blow BOB in 5 minutes
2nd Shut-In 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1866.90	98.64	Initial Hydro-static
1	39.34	98.99	Open To Flow (1)
33	107.20	112.65	Shut-In(1)
75	1082.29	112.90	End Shut-In(1)
77	170.56	112.67	Open To Flow (2)
109	161.46	115.64	Shut-In(2)
154	1028.20	115.80	End Shut-In(2)
156	1801.03	114.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water	1.68
60.00	V SOMCW 2% Oil 2% Mud 96% Water	0.84
60.00	GOCMW 8% Gas 12% Oil 65% Water	1590.841
60.00	OCWM 15% Gas 22% Oil 25% Water 40%	0.84
0.00	1850' Gas in the pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Southwind Petroleum Corp.

27-19s-16w Rush,KS

1400 West 14th Street
Wichita,KS 67203-2901

Dirks #27-2

Job Ticket: 62069

DST#: 1

ATTN: Robert Williams

Test Start: 2015.01.15 @ 20:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:43:30

Time Test Ended: 02:02:00

Test Type: Conventional Straddle (Initial)

Tester: Gene Budig

Unit No: 60

Interval: 3756.00 ft (KB) To 3764.00 ft (KB) (TVD)

Reference Elevations: 2038.00 ft (KB)

Total Depth: 3898.00 ft (KB) (TVD)

2033.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8288

Inside

Press@RunDepth: 1027.65 psig @ 3763.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.15

End Date: 2015.01.16

Last Calib.: 2015.01.15

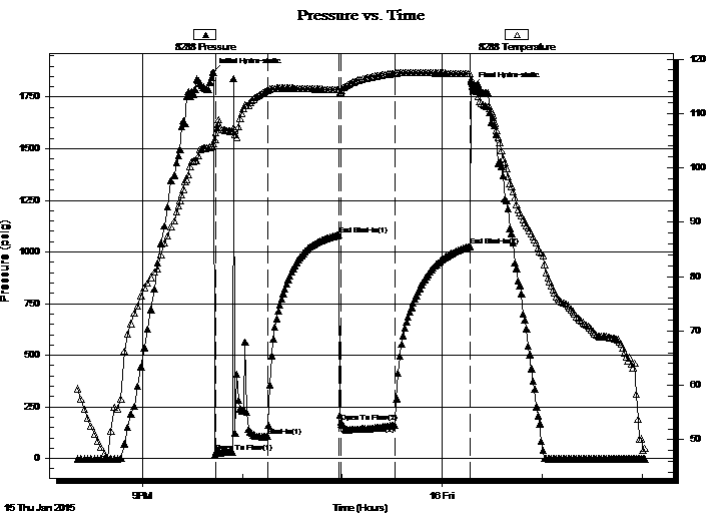
Start Time: 20:21:00

End Time: 02:02:00

Time On Btm: 2015.01.15 @ 21:42:00

Time Off Btm: 2015.01.16 @ 00:18:00

TEST COMMENT: 1st Opening 30 Minutes Surging blow died Flushed tool surging blow built to BOB in 5 minutes
1st Shut-In 45 Minutes- No blow back
2nd Opening 30 Minutes-Fair blow BOB in 5 minutes
2nd Shut-In 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.72	104.06	Initial Hydro-static
2	30.62	106.49	Open To Flow (1)
33	106.64	114.27	Shut-In(1)
76	1082.24	114.37	End Shut-In(1)
77	177.97	113.96	Open To Flow (2)
110	160.11	117.40	Shut-In(2)
155	1027.65	117.28	End Shut-In(2)
156	1802.06	115.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water	1.68
60.00	V SOMCW 2% Oil 2% Mud 96% Water	0.84
60.00	GOCMW 8% Gas 12% Oil 65% Water	1590.841
60.00	OCWM 15% Gas 22% Oil 25% Water 40%	0.84
0.00	1850' Gas in the pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Southwind Petroleum Corp.

27-19s-16w Rush, KS

1400 West 14th Street
Wichita, KS 67203-2901

Dirks #27-2

Job Ticket: 62069

DST#: 1

ATTN: Robert Williams

Test Start: 2015.01.15 @ 20:20:00

Tool Information

Drill Pipe:	Length: 3737.00 ft	Diameter: 3.80 inches	Volume: 52.42 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 52.42 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3756.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	3764.00 ft			
Interval between Packers:	8.00 ft			
Tool Length:	175.29 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3733.00	
Hydraulic tool	5.00			3738.00	
Jars	6.00			3744.00	
Safety Joint	2.00			3746.00	
Top Packer	5.00			3751.00	
Packer	5.00			3756.00	28.00 Bottom Of Top Packer
Anchor	7.00			3763.00	
Recorder	0.00	8288	Inside	3763.00	
Recorder	0.00	6651	Outside	3763.00	
Blank Off Sub	1.00			3764.00	8.00 Tool Interval
Packer	5.00			3769.00	
Change Over Sub	0.75			3769.75	
Drill Pipe	126.79			3896.54	
Change Over Sub	0.75			3897.29	
Anchor	1.00			3898.29	
Recorder	0.00	8938	Below	3898.29	
Bullnose	5.00			3903.29	139.29 Bottom Packers & Anchor
Total Tool Length:	175.29				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Southw ind Petroleum Corp.

27-19s-16w Rush,KS

1400 West 14th Street
Wichita,KS 67203-2901

Dirks #27-2

Job Ticket: 62069

DST#: 1

ATTN: Robert Williams

Test Start: 2015.01.15 @ 20:20:00

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:

17000 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Water	1.683
60.00	VSOMCW 2% Oil 2%Mud 96%Water	0.842
60.00	GOCMW 8%Gas 12% Oil 65%Water 15%Mu	0.842
60.00	OCWM 15%Gas 22%Oil 25%Water 40%mud	0.842
0.00	1850' Gas in the pipe	0.000

Total Length: 300.00 ft Total Volume: 4.209 bbl

Num Fluid Samples: 0

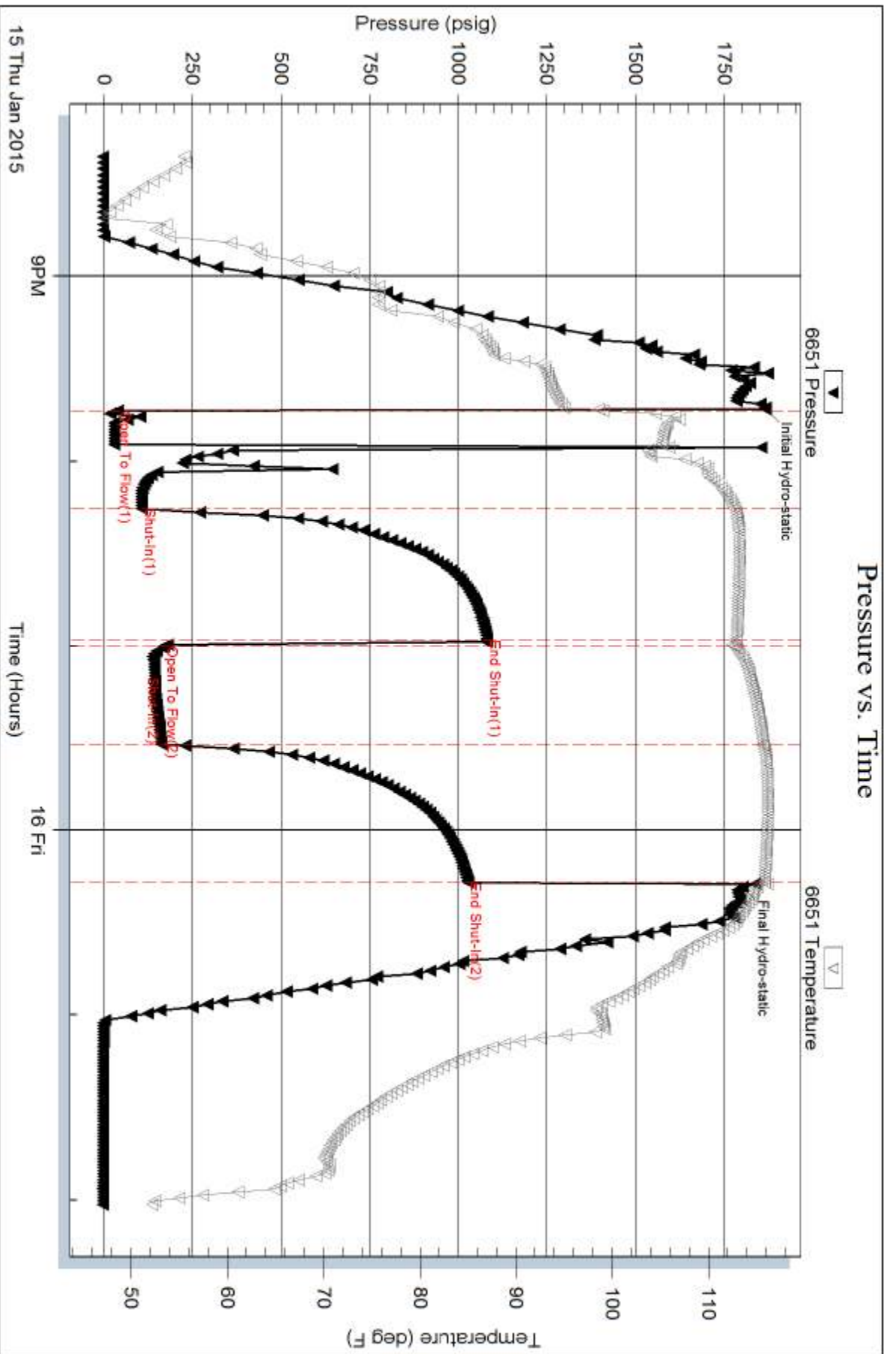
Num Gas Bombs: 0

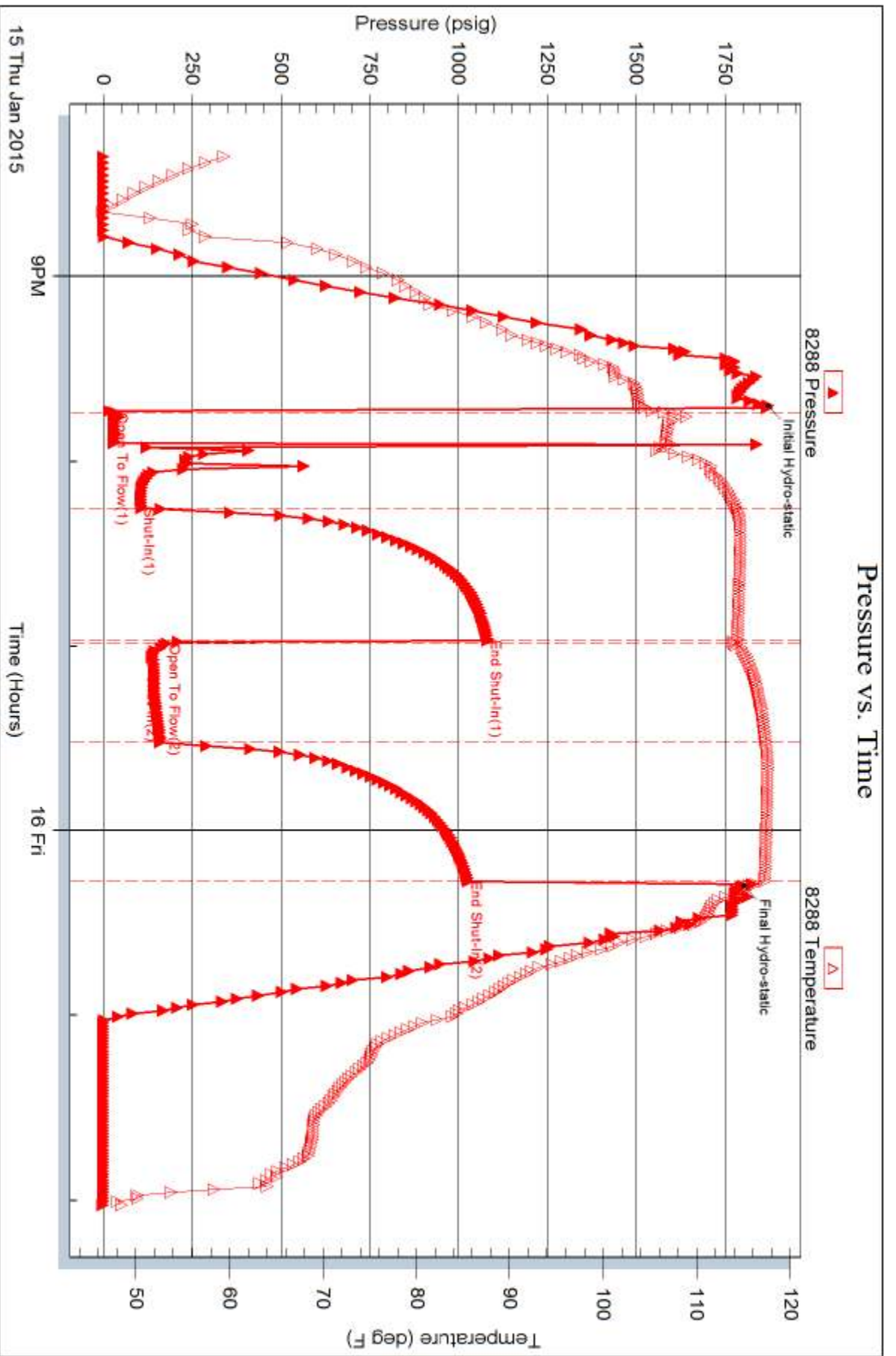
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Chlordes 17000







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62069

Well Name & No. DIRKS #27-2 Test No. 1 Date 1-15-15
 Company Southwind Petroleum Corp. Elevation 3038 KB 2033 GL
 Address 1400 West 14th Street Wichita Kansas 67203-2901
 Co. Rep / Geo. Robert Williams Rig MURFIN Drilling #16
 Location: Sec. 27 Twp. 19 S Rge. 16 W Co. Rush State KANSAS

Interval Tested 3756-3764 Zone Tested ARBUCKLE
 Anchor Length 8 Drill Pipe Run 3730 Mud Wt. 9.1
 Top Packer Depth 3751-3756 Drill Collars Run NONE Vis 49
 Bottom Packer Depth 3764 Wt. Pipe Run NONE WL 8.8
 Total Depth 3898 Chlorides 6000 ppm System LCM 3

Blow Description 1st OPEN - Surging blow died flushed tool - Surging build blow Bob in 5 min
2nd OPEN - FAIR blow Bob in 5 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>WATER CHLORIDES 17,000</u>	<u>TRACE</u>	<u>100</u>		
<u>60</u>	<u>SLIGHTLY OIL CUT WATER</u>	<u>0</u>	<u>96</u>	<u>2</u>	
<u>60</u>	<u>OIL CUT MUDDY WATER</u>	<u>8</u>	<u>65</u>	<u>15</u>	
<u>60</u>	<u>OIL CUT MUDDY WATER</u>	<u>15</u>	<u>25</u>	<u>40</u>	
<u>2900</u>	<u>GAS IN THE PIPE</u>				

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1869 Test 1050 T-On Location 8:00 P.M.
 (B) First Initial Flow 14 Jars 250 T-Started 8:20 P.M.
 (C) First Final Flow 30 Safety Joint 75 T-Open 9:44 P.M.
 (D) Initial Shut-In 1082 Circ Sub _____ T-Pulled 12:14 AM
 (E) Second Initial Flow 177 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 160 Mileage 32 32 Comments _____
 (G) Final Shut-In 1027 Sampler _____
 (H) Final Hydrostatic 1802 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total _____
 Day Standby _____ Total _____
 Accessibility _____ MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative Mene Bady

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, tools 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.

Federal Tax I.D.# 20-2886107

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

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

No. 1115

Date	1-9-15	Sec.	27	Twp.	19	Range	16	County	Rush	State	Ks	On Location		Finish	9:15 AM
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Lease Dicks Location Great Bend, Ks - 1460 on 10th Street to

Well No. 27-2 Owner 380 Rd, 1/2 N, W H Tnto

Contractor Muffin 16 To Quality Oilwell Cementing, Inc.
Type Job Surface You are hereby requested to rent cementing equipment and furnish
cement and helper to assist owner or contractor to do work as listed.

Hole Size 12 1/4" T.D. 1090' Charge To Southwind Petroleum

Csg. 8 1/8" Depth 1089' Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 27.21 Shoe Joint 27.21 Cement Amount Ordered 405 80/100 3/16 2 1/2 bel

Meas Line Displace 67 1/2

EQUIPMENT

Pumptrk <u>16</u> No.	Cementier <u>Billy</u>	Common	<u>340</u>
	Helper <u>Billy</u>	Poz. Mix	<u>85</u>
Bulktrk <u>21</u> No.	Driver <u>Lonnie M.</u>	Gel.	<u>9</u>
	Driver <u>Rick</u>	Calcium	<u>1.5</u>

JOB SERVICES & REMARKS

Remarks <u>Cement did Circulate</u>	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling <u>449</u>
	Mileage

FLOAT EQUIPMENT

Guide Shoe	<u>Rubber plug</u>
Centralizer	<u>Baffle plate</u>
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge <u>Long Surface</u>
Mileage <u>14</u>

Signature <u>A3 2/21</u>	Tax
	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 903

Date	1-16-15	Sec.	27	Twp.	19	Range	16	County	Rush	State	KC	On Location		Finish	12:00 PM
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Location (Owner) Beard 14 W to 350 Rd 1/2 W

Lease Dicks Well No. 27-2 Owner

Contractor Martin 16 To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish
cement and helper to assist owner or contractor to do work as listed.

Type Job Production string Charge To Searchward Petroleum

Hole Size 7 7/8 T.D. 3900 Street

Csg. 5 1/2 Depth 3596 City State

Tbg. Size Depth The above was done to satisfaction and supervision of owner agent or contractor.

Tool Depth Cement Amount Ordered 175 com 10% salt 2% C-1

Cement Left in Csg. 38 Shoe Joint 38

Meas Line Displace 94 bbl

EQUIPMENT				Common
Pumptrk	5	No.	Cementor Helper <u>David</u>	Poz. Mix <u>175</u>
Bulktrk	14	No.	Driver <u>Ryan</u>	Gel. <u>3</u>
Bulktrk	PU	No.	Driver <u>Brett</u>	Calcium <u></u>

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole <u>30 s</u>	Salt <u>15</u>
Mouse Hole <u>15 s</u>	Flowseal
Centralizers <u>1, 3, 5, 7, 9, 11</u>	Kol-Seal
Baskets <u>2</u>	Mud CLR 48 <u>500 gal</u>
D/V or Port Collar	CFL-117 or CD110 CAF 38 <u>20 bbl KCl</u>
	Sand

Mineral 500 gal Mud Flush Handling

w/ 10 bbl KCl spacer Mileage 173

Plugged Rat & Mouse 5 1/2 FLOAT EQUIPMENT

Mineral 130 s down 5 1/2 Guide Shoe

Displaced 94 bbl 1st 10 w/ KCl Centralizer 6

Lift pressure @ 700 lbs Baskets 1

Landed @ 1400 lbs AFB Inserts

Play held Float Shoe 1

Pumptrk Charge Latch Down 1

Mileage 141 prod string

Signature [Signature] Tax

Discount Total Charge