



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
_____ 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
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Stoll 2-17
Doc ID	1058195

All Electric Logs Run

Array Induction
Photo Density
Comp. Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Stoll 2-17
Doc ID	1058195

Tops

Name	Top	Datum
Anhydrite	2514	+513
Heebner Shale	3973	-937
Toronto	3993	-957
Lansing	4017	-981
Stark	4251	-1215
BKC	4316	-1280
Fort Scott	4502	-1466
Cherokee Shale	4530	-1494
Mississippian	4619	-1583

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Stoll 2-17
Doc ID	1058195

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	Morrow Sand	Shot GasGun	4613-18
		250 gal 7.5% RWR-1 w/1 gal AR-630	
		250 gal 7.5% HCL	
		500 gal 8% NH4CL	
		500 gal 7.5% HCL w/3% HF	
		4 bbl 8% NH4CL	
4	Johnson	250 gal RWR-1	4585-89 & 4574-77



# ALLIED CEMENTING CO., LLC. 043354

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Dakota, KS

DATE <u>5-4-11</u>	SEC. <u>17</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE # <u>5751</u>	WELL # <u>2-17</u>	LOCATION <u>Dakota 139, 3rd X 25</u>				COUNTY <u>Logan</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR HD #2 OWNER Jane

TYPE OF JOB surface  
 HOLE SIZE 12 1/2" I.D. 228  
 CASING SIZE 8 7/8 DEPTH 208.64  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX. DEPTH  
 MEAS. LINE MINIMUM  
 CEMENT LEFT IN CSG. 15 ft SHOE JOINT  
 PERFS.  
 DISPLACEMENT 13.67 Bbl

CEMENT  
 AMOUNT ORDERED 165 sks Corn 32cc  
2 bags  
 COMMON 165 sks @ 16.25 2681.25  
 POZMIX @  
 GEL 35k @ 21.25 637.5  
 CHLORIDE 65k @ 58.80 351.00  
 ASC @  
 HANDLING 1795k @ 2.25 396.50  
 MILEAGE 114 re/air 282.00  
 TOTAL 3,779.60

EQUIPMENT  
 PUMP TRUCK CEMENTER hokone  
 # 431 HELPER Darren  
 BULK TRUCK DRIVER Earl  
 # 404  
 BULK TRUCK DRIVER

REMARKS:  
Mix 165 sks Corn 3/2 down  
8 7/8 casing  
Displace. with water  
Comment dictate  
Thank you!

SERVICE  
 DEPTH OF JOB 207.64  
 PUMP TRUCK CHARGE 1133.00  
 EXTRA FOOTAGE @  
 MILEAGE 15k2 @ 2.00 210.00  
 MANIFOLD head @ 200.00  
light vehicle mileage @ 400 120.00  
 TOTAL 1655.00

CHARGE TO: Shakespeare  
 STREET \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
 CITY \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

TOTAL \_\_\_\_\_  
 SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Roberts  
 SIGNATURE Doug Roberts



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
 Fax: (785) 483-5566

# INVOICE

Invoice Number: 127297  
 Invoice Date: May 19, 2011  
 Page: 1

**Bill To:**  
 Shakespere Oil Co., Inc.  
 202 West Main St.  
 Salem, IL 62881

Federal Tax I.D.#: 20-5975804

*File*

Customer ID	Well Name # or Customer P.O.	Payment Terms
Shak	Stall #2-17	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	May 19, 2011
		Due Date
		6/18/11

Quantity	Item	Description	Unit Price	Amount
4.00	MAT	Gel	21.25	85.00
225.00	MAT	ASC Class A	19.00	4,275.00
1,125.00	MAT	Gilsonite	0.89	1,001.25
158.00	MAT	CD-31	9.35	1,477.30
56.00	MAT	Flo Seal	2.70	151.20
500.00	MAT	WFR-2	1.27	635.00
257.00	SER	Handling	2.25	578.25
15.00	SER	Mileage 257 sx @ .11 per sk per m	28.27	424.05
1.00	SER	Production Casing	2,405.00	2,405.00
30.00	SER	Pump Truck Mileage	7.00	210.00
1.00	SER	Manifold Head Rental	200.00	200.00
30.00	SER	Light Vehicle Mileage	4.00	120.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Jerry Yates		
1.00	OPER ASSIST	Earl Rebarchek		

*INT*

Subtotal	11,562.05
Sales Tax	556.61
Total Invoice Amount	12,118.66
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,118.66</b>

ALL PRICES ARE NET, PAYABLE  
 30 DAYS FOLLOWING DATE OF  
 INVOICE. 1 1/2% CHARGED  
 THEREAFTER. IF ACCOUNT IS  
 CURRENT, TAKE DISCOUNT OF

\$ 2312.41

ONLY IF PAID ON OR BEFORE  
Jun 13, 2011

*DW*



# ALLIED CEMENTING CO., LLC.

043318

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>5-19-11</u>	SEC. <u>17</u>	TWP. <u>K3</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 Am</u>	JOB FINISH <u>8:00 Am</u>
LEASE <u>Stoll</u>	WELL # <u>2-17</u>	LOCATION <u>Oakley 135 3w 1/2 S</u>				COUNTY <u>Logan</u>	STATE <u>Ks</u>
OLD OR (NEW) (Circle one)				OWNER <u>Sgme</u>			

CONTRACTOR HD #2

TYPE OF JOB Production

HOLE SIZE 2 7/8 T.D. 4690'

CASING SIZE 5 1/2 DEPTH 4686.72

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL port collar DEPTH 2495.31

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.50

CEMENT LEFT IN CSG. 42.50

PERFS.

DISPLACEMENT 110.53

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

# 423-281 HELPER Jerry

BULK TRUCK DRIVER Earl

# 404

BULK TRUCK DRIVER

#

REMARKS:

Pump 500L water saggy w/PR-2  
15 00L water plug Refill 30SKS  
MIX 185 SKS down 5 1/2 wash pump  
end line clean release plug  
Displace 900# / FT 1500#  
load floe held.

Thank you

CHARGE TO: shakespeare

STREET \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

CEMENT

AMOUNT ORDERED 225 SKS ASC 289d

5# Gilsonite 1/4# Flo-seal 3/4# BCO-31

COMMON	@	
POZMIX	@	
GEL	@	<u>21.25 851.00</u>
CHLORIDE	@	
ASC	@	<u>19.00 4275.00</u>
<u>Gilsonite</u>	@	<u>0.89 1001.25</u>
<u>CO-31</u>	@	<u>9.35 1477.30</u>
<u>Flo-seal</u>	@	<u>2.70 151.20</u>
<u>WFR-2</u>	@	<u>1.27 635.00</u>
HANDLING	@	<u>2.25 578.25</u>
MILEAGE	@	<u>1.4 SKA mile 424.05</u>
TOTAL		<u>8627.05</u>

SERVICE

DEPTH OF JOB	<u>4690'</u>
PUMP TRUCK CHARGE	<u>2405.00</u>
EXTRA FOOTAGE	
MILEAGE	<u>15 miles SK2 @ 7.00 210.00</u>
MANIFOLD	<u>head @ 200.00</u>
<u>light vehicle</u>	<u>@ 4.00 120.00</u>
TOTAL	<u>2935.00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Roberts

SIGNATURE Doug Roberts



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
Fax: (785) 483-5566

# INVOICE

Invoice Number: 127375  
Invoice Date: May 27, 2011  
Page: 1

**Bill To:**  
Shakespeare Oil Co., Inc.  
202 West Main St.  
Salem, IL 62881

Federal Tax I.D.#: 20-5975804

*File*

*INT*

Customer ID	Well Name # of Customer P.O.	Payment Terms
Shak	Stoll #2-17	Net 30 Days
Job Location	Camp Location	Service Date
KS1-04	Oakley	May 27, 2011
		Due Date
		6/26/11

Quantity	Item	Description	Unit Price	Amount
540.00	MAT	Class A Common	16.25	8,775.00
290.00	MAT	Pozmix	8.50	2,465.00
58.00	MAT	Gel	21.25	1,232.50
208.00	MAT	Flo Seal	2.70	561.60
33.00	MAT	Cottonseed Hulls	31.85	1,051.05
1,049.00	SER	Handling	2.25	2,360.25
15.00	SER	Mileage 1049 sx @ .11 per sk per mi	115.39	1,730.85
1.00	SER	Port Collar	2,125.00	2,125.00
30.00	SER	Pump Truck Mileage	7.00	210.00
30.00	SER	Light Vehicle Mileage	4.00	120.00
1.00	CEMENTER	Terry Heinrich		
1.00	EQUIP OPER	Jerry Yates		
1.00	OPER ASSIST	Earl Rebarchek		

**RECEIVED**  
JUN 06 2011  
ALLIED CEMENTING CO.

Subtotal	20,631.25
Sales Tax	1,028.22
Total Invoice Amount	21,659.47
Payment/Credit Applied	
<b>TOTAL</b>	<b>21,659.47</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 4126.25

ONLY IF PAID ON OR BEFORE  
Jun 21, 2011

*DW*

# ALLIED CEMENTING CO., LLC. 039837

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

EAR/EL

DATE	5-27-11	SEC.	17	TWP.	135	RANGE	32W	CALLED OUT	ON LOCATION	10:00 AM	JOB START	6:00 PM	JOB FINISH	6:30 AM
LEASE	Stoll	WELL #	2-17	LOCATION	ORRLEY	135-3W-1/2S-EK5			COUNTY	LOGAN			STATE	KY
OLD OR (NEW)	(Circle one)													

CONTRACTOR Weld West Well Service OWNER SAME

TYPE OF JOB PORT COLLAR

HOLE SIZE T.D.

CASING SIZE 5 1/2" DEPTH

TUBING SIZE 2 3/8" DEPTH 2495'

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

**EQUIPMENT**

PUMP TRUCK CEMENTER JERRY

#423-281 HELPER JERRY

BULK TRUCK DRIVER EARL

BULK TRUCK DRIVER EARL

**REMARKS:**

PRESSURE SYSTEM TO 1200 PSI. HELD, OPEN PORT COLLAR, PUMP 10000 GALS WATER AND 1000 GALS MEX 225 SKS CEMENT WITH 450# HULL, SHOT DOWN WAS 1 HR. MEX 1000 SKS CEMENT WITH 800# HULLS, SHOT DOWN WAS 45 MIN. MEX 125 SKS CEMENT WITH 450# HULLS, WAS 1 1/2 HRS. TO LOAD MORE CEMENT, MEX 380 SKS CEMENT WITH 650# HULLS, DESPITE 8 1/2 HRS. CLOSE PORT COLLAR. RAN 10 PTS. REVERSE OUT AFTER WAITING 1 1/2 HRS PUMPED 7500 GALS MEX. CEMENT did calculate

CHARGE TO: SHAKESHAPE OF IT GIRLS.

STREET \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME John Davison

SIGNATURE John Davison

CEMENT

AMOUNT ORDERED 33 SKS HULLS

450 SKS 65/35 P02 878.971 14 176-5504

USED 830 SKS 65/35 P02 878.971 14 176-5504

33 SKS HULLS

COMMON 540 SKS @ 16 25 8775

POZMIX 290 SKS @ 8 200 2465

GEL 58 SKS @ 21 35 1272 50

CHLORIDE

ASC

Flo-seal 208 @ 2 20 561 60

HULLS 33 SKS @ 31 85 1051 05

HANDLING 1049 SKS @ 2 22 2360 25

MILEAGE 114 PER SK/MILE 1730 85

TOTAL 18176 25

**SERVICE**

DEPTH OF JOB 2495'

PUMP TRUCK CHARGE

EXTRA FOOTAGE

MILEAGE 15 X 2 @ 7 210 5

MANIFOLD

Light Vehicle 15 X 2 @ 4 60 126 00

TOTAL 2455 00

**PLUG & FLOAT EQUIPMENT**

TOTAL \_\_\_\_\_

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43309

**DST#: 1**

Test Start: 2011.05.10 @ 02:30:00

## GENERAL INFORMATION:

Formation: **Lansing "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:22:30

Time Test Ended: 09:30:15

Test Type: Conventional Bottom Hole

Tester: Kevin Mack

Unit No: 55

**Interval: 4065.00 ft (KB) To 4090.00 ft (KB) (TVD)**

Total Depth: 4090.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3038.00 ft (KB)

3026.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 6771**

**Inside**

Press @ RunDepth: 35.87 psig @ 4066.00 ft (KB)

Start Date: 2011.05.10

End Date: 2011.05.10

Start Time: 02:30:15

End Time: 09:30:15

Capacity: 8000.00 psig

Last Calib.: 2011.05.10

Time On Btm: 2011.05.10 @ 05:22:15

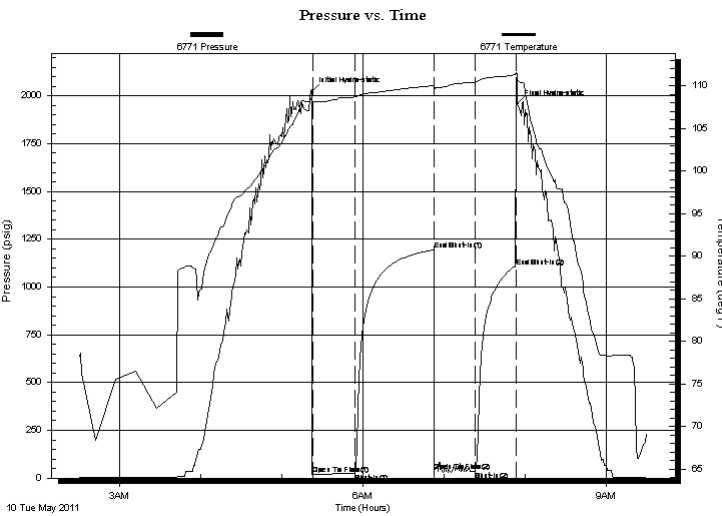
Time Off Btm: 2011.05.10 @ 07:54:15

**TEST COMMENT:** IF: Surface blow started at 5 min. Did not build or die

IS: No Return

FF: No Blow

FS: No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2022.24	108.57	Initial Hydro-static
1	18.00	108.05	Open To Flow (1)
32	26.95	108.70	Shut-In(1)
91	1194.79	110.03	End Shut-In(1)
91	34.44	109.37	Open To Flow (2)
121	35.87	110.43	Shut-In(2)
151	1106.07	111.30	End Shut-In(2)
152	1956.85	110.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSM 100M (oil spots)	0.15

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43309

**DST#: 1**

ATTN: Tim Priest

Test Start: 2011.05.10 @ 02:30:00

## 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: 6.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7600.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OSM 100M (oil spots)	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

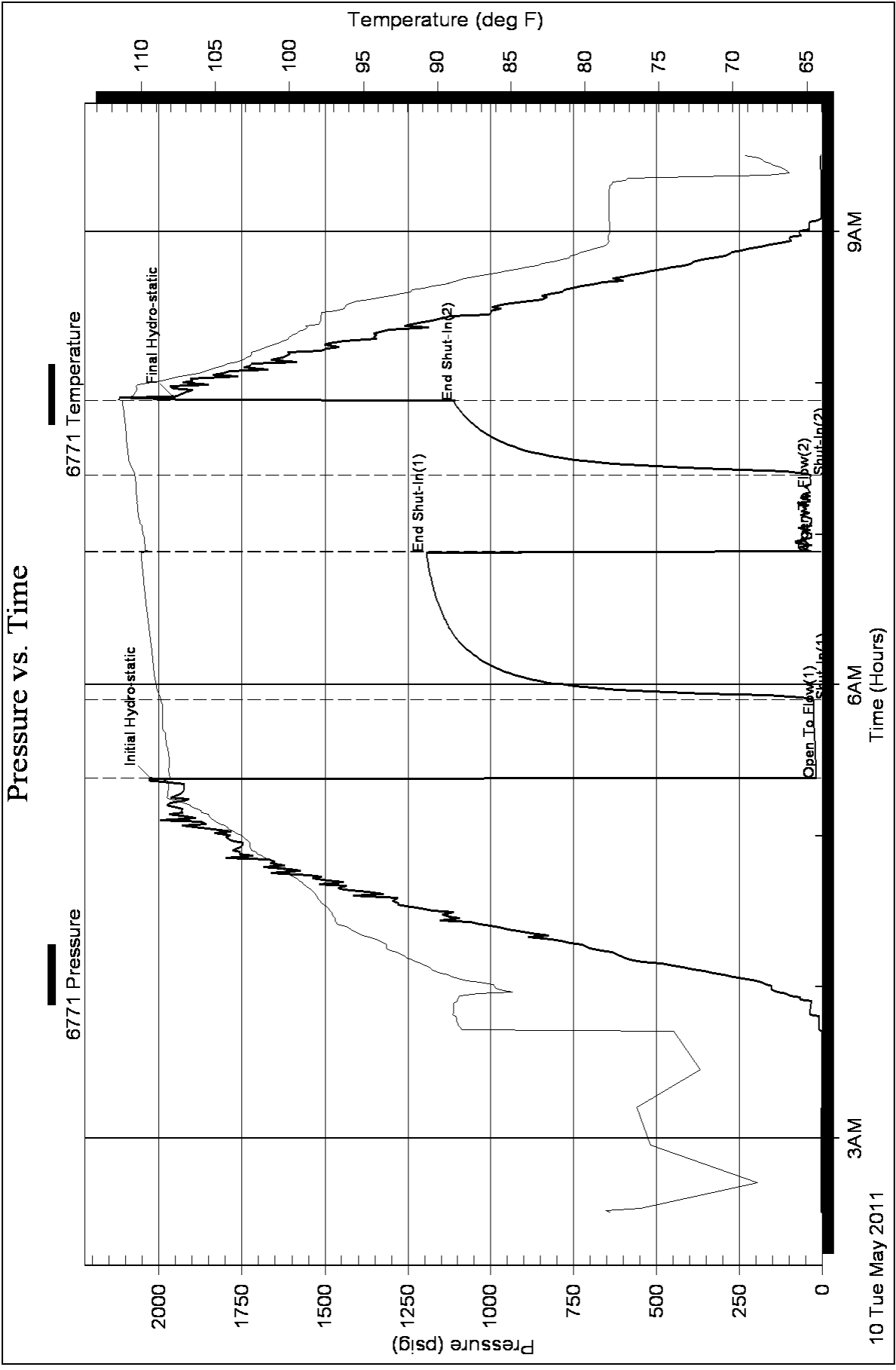
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43311

**DST#: 3**

Test Start: 2011.05.11 @ 02:08:00

## GENERAL INFORMATION:

Formation: **Lansing "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:59:30

Time Test Ended: 08:55:15

Test Type: Conventional Bottom Hole

Tester: Kevin Mack

Unit No: 55

**Interval: 4081.00 ft (KB) To 4110.00 ft (KB) (TVD)**

Reference Elevations: 3038.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

3026.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 6771**

**Inside**

Press @ Run Depth: 66.75 psig @ 4082.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.11

End Date:

2011.05.11

Last Calib.:

2011.05.11

Start Time:

02:08:15

End Time:

08:55:15

Time On Btm:

2011.05.11 @ 03:59:15

Time Off Btm:

2011.05.11 @ 07:02:30

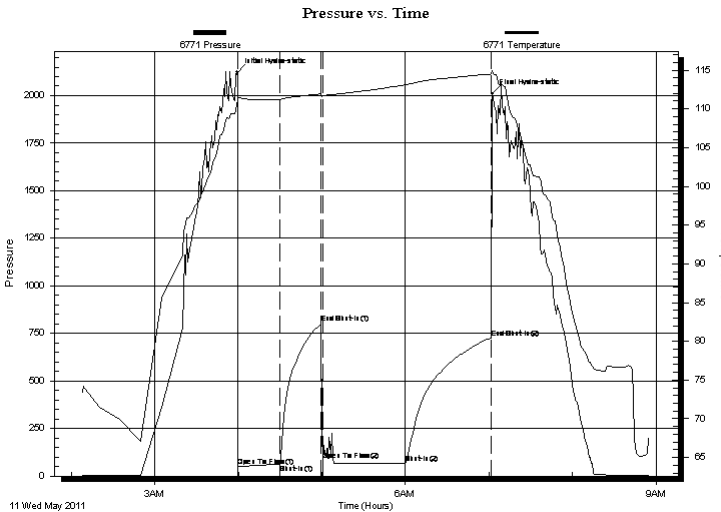
**TEST COMMENT:** IF: Blow built to 2 3/4"

IS: No Return

FF: Blow started @ 7 min built to 3/4"

FS: No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2123.80	110.83	Initial Hydro-static
1	50.31	110.55	Open To Flow (1)
31	60.30	111.22	Shut-In(1)
61	804.00	111.96	End Shut-In(1)
62	83.79	111.68	Open To Flow (2)
121	66.75	113.11	Shut-In(2)
182	725.89	114.50	End Shut-In(2)
184	2009.26	114.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 5o 95M	0.05
50.00	OSM 100M (oil spots)	0.25

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43311

**DST#: 3**

ATTN: Tim Priest

Test Start: 2011.05.11 @ 02:08:00

## 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:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 5o 95M	0.049
50.00	OSM 100M (oil spots)	0.246

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

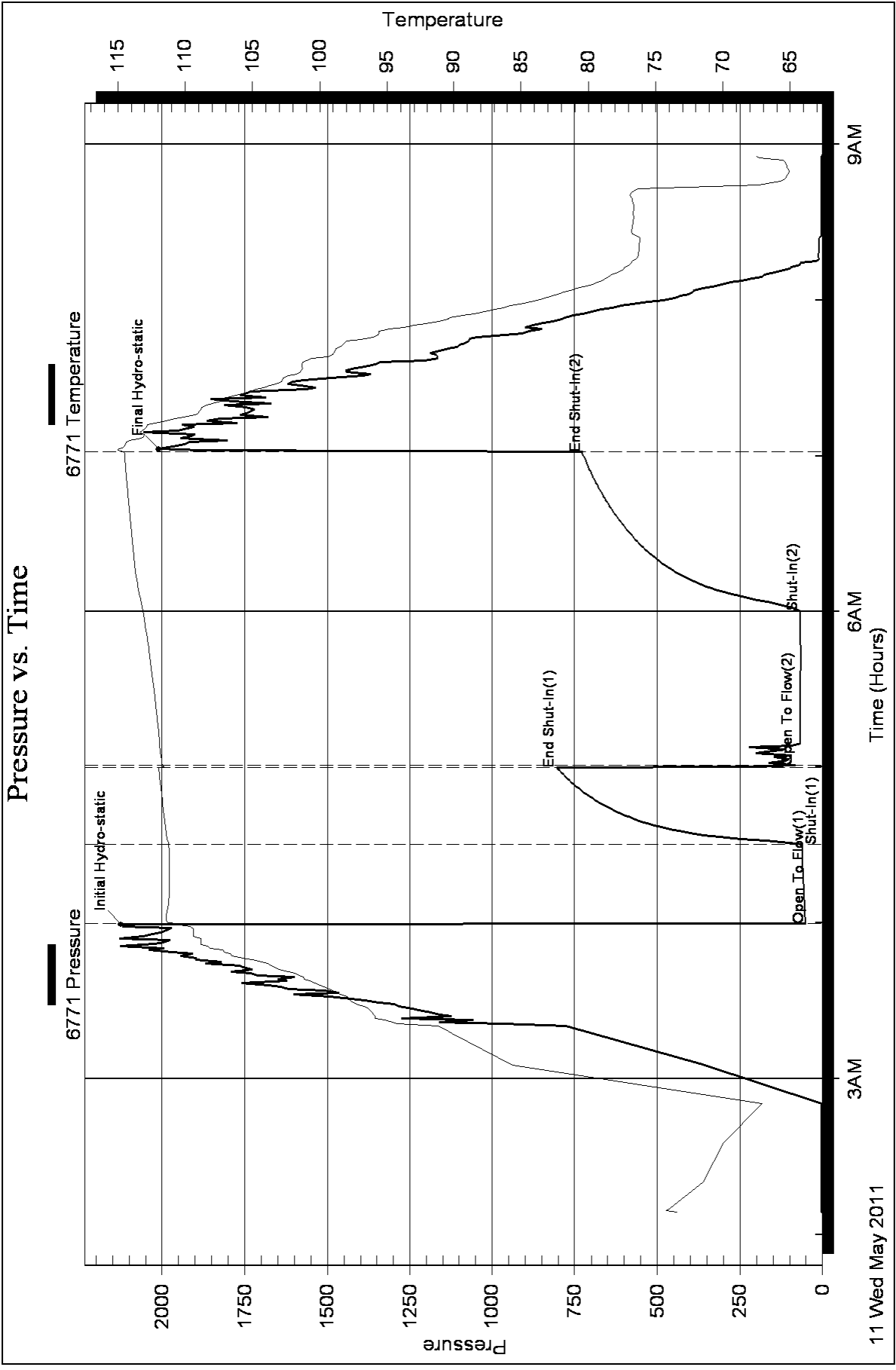
Laboratory Name:

Laboratory Location:

Recovery Comments:



### Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43312

**DST#: 4**

Test Start: 2011.05.11 @ 22:40:47

## GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:04:17

Time Test Ended: 05:25:02

Test Type: Conventional Bottom Hole

Tester: Kevin Mack/ Shane Mc

Unit No: 55

**Interval: 4158.00 ft (KB) To 4194.00 ft (KB) (TVD)**

Reference Elevations: 3038.00 ft (KB)

Total Depth: 4194.00 ft (KB) (TVD)

3026.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 6667 Outside**

Press @ Run Depth: 18.27 psig @ 4159.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.11 End Date: 2011.05.12

Last Calib.: 2011.05.12

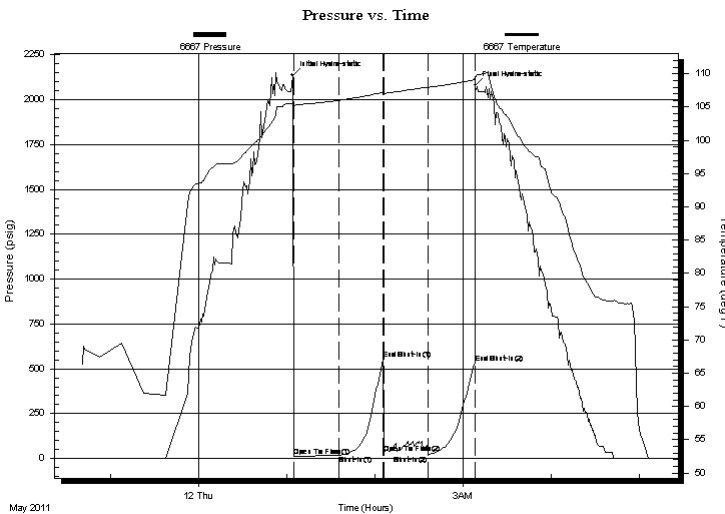
Start Time: 22:40:47 End Time: 05:07:02

Time On Btm: 2011.05.12 @ 01:03:47

Time Off Btm: 2011.05.12 @ 03:08:02

**TEST COMMENT:** 1/4" in blow  
No return  
No blow  
No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.74	105.60	Initial Hydro-static
1	12.83	104.76	Open To Flow (1)
32	15.74	106.02	Shut-In(1)
62	556.58	107.23	End Shut-In(1)
63	30.22	107.02	Open To Flow (2)
92	18.27	107.94	Shut-In(2)
124	531.87	109.12	End Shut-In(2)
125	2079.85	109.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100% m	0.01

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43312

**DST#: 4**

ATTN: Tim Priest

Test Start: 2011.05.11 @ 22:40:47

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3.00	mud 100%m	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

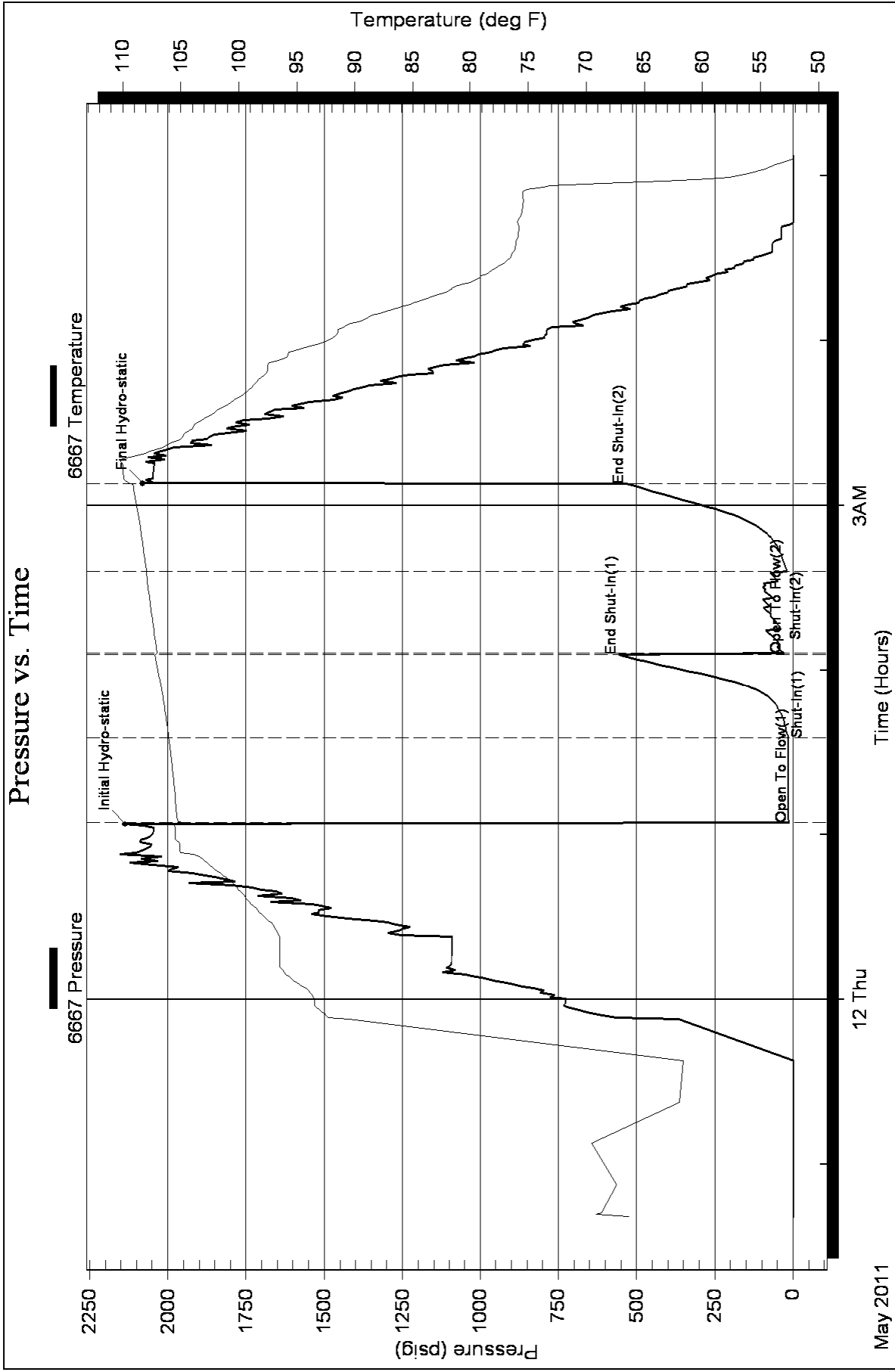
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43313

**DST#: 5**

Test Start: 2011.05.12 @ 18:23:10

## GENERAL INFORMATION:

Formation: **I-J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:21:40  
 Time Test Ended: 01:20:10  
 Interval: **4196.00 ft (KB) To 4254.00 ft (KB) (TVD)**  
 Total Depth: 4254.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3038.00 ft (KB)  
 3026.00 ft (CF)  
 KB to GR/CF: 12.00 ft

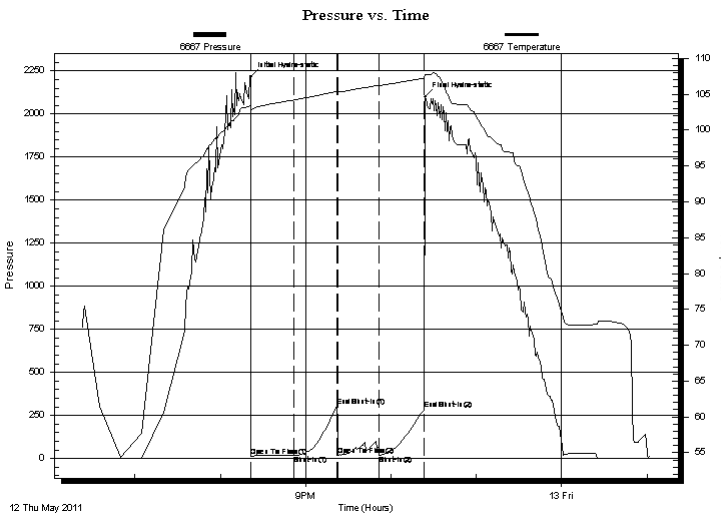
**Serial #: 6667**

**Outside**

Press @ Run Depth: 17.74 psig @ 4197.00 ft (KB)  
 Start Date: 2011.05.12 End Date: 2011.05.13  
 Start Time: 18:23:10 End Time: 01:02:10  
 Capacity: 8000.00 psig  
 Last Calib.: 2011.05.13  
 Time On Btm: 2011.05.12 @ 20:21:25  
 Time Off Btm: 2011.05.12 @ 22:24:10

**TEST COMMENT:** Weak surface blow died in 20 min.  
 No return  
 No blow  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2216.82	103.32	Initial Hydro-static
1	14.59	102.79	Open To Flow (1)
31	16.52	104.22	Shut-In(1)
61	304.92	105.40	End Shut-In(1)
61	16.73	105.23	Open To Flow (2)
91	17.74	106.19	Shut-In(2)
122	285.15	107.25	End Shut-In(2)
123	2098.37	107.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43313

**DST#: 5**

ATTN: Tim Priest

Test Start: 2011.05.12 @ 18:23:10

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.73 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

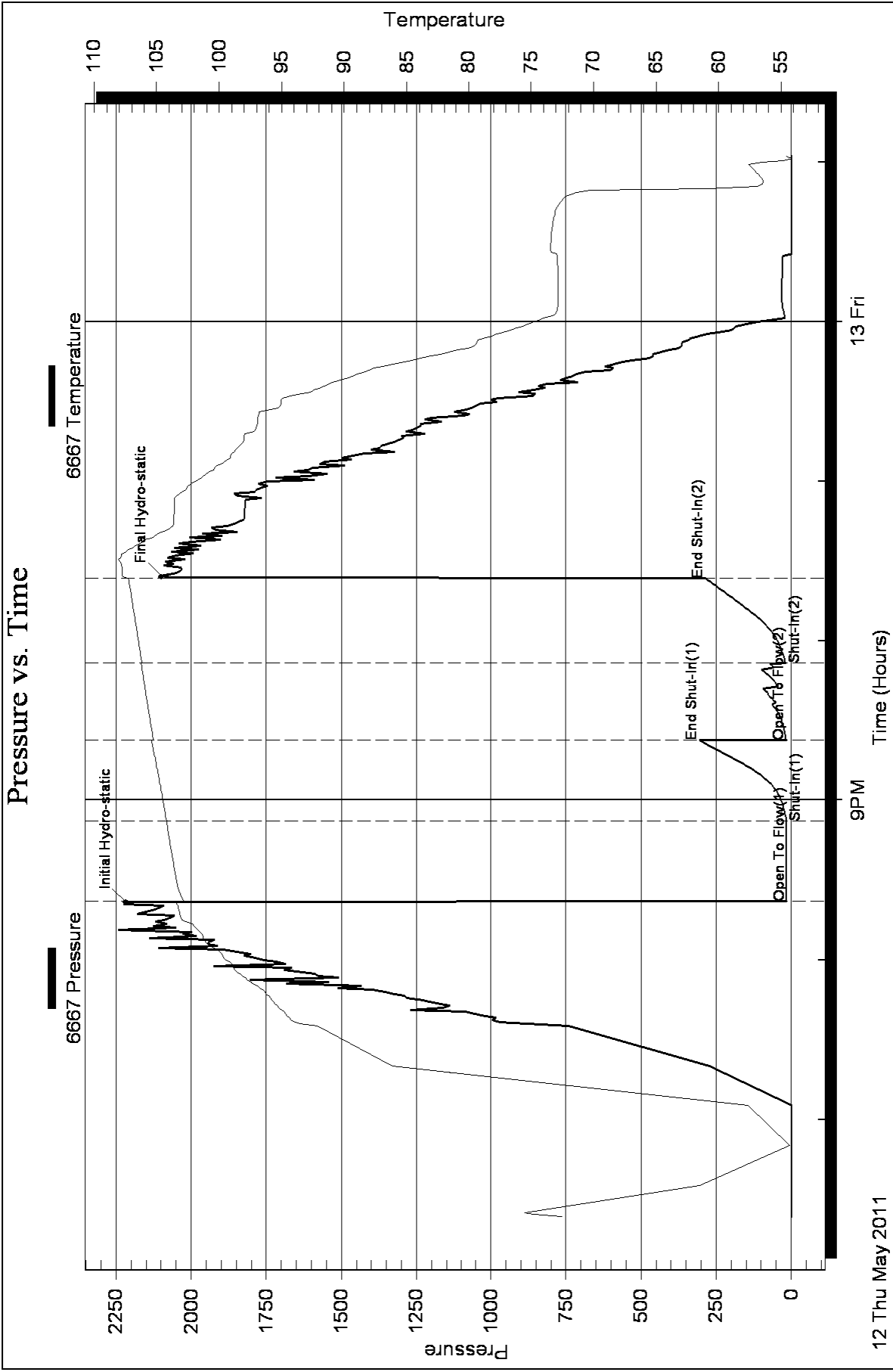
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43314

**DST#: 6**

Test Start: 2011.05.13 @ 09:22:16

## GENERAL INFORMATION:

Formation: **K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:38:31  
 Time Test Ended: 16:30:46  
 Interval: **4254.00 ft (KB) To 4286.00 ft (KB) (TVD)**  
 Total Depth: 4286.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3038.00 ft (KB)  
 3026.00 ft (CF)  
 KB to GR/CF: 12.00 ft

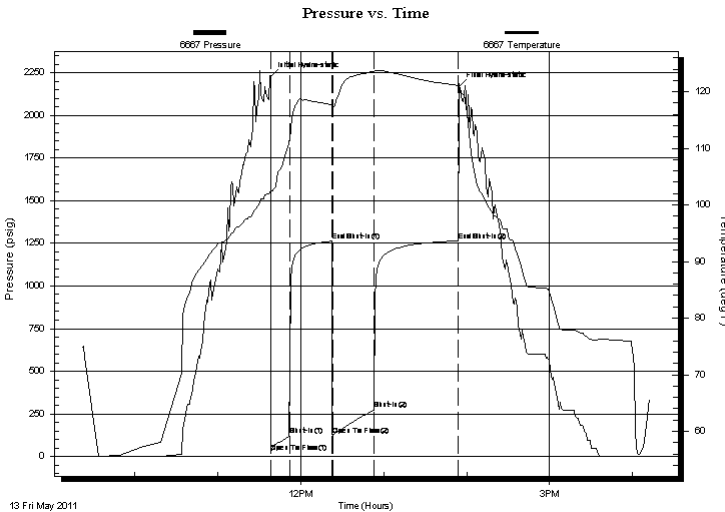
## Serial #: 6667

**Outside**

Press @ Run Depth: 274.71 psig @ 4255.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.05.13 End Date: 2011.05.13 Last Calib.: 2011.05.13  
 Start Time: 09:22:16 End Time: 16:12:46 Time On Btm: 2011.05.13 @ 11:38:16  
 Time Off Btm: 2011.05.13 @ 13:54:46

TEST COMMENT: B.O.B. in 12 min.  
 No return  
 B.O.B. in 14 min.  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2225.17	102.55	Initial Hydro-static
1	27.36	102.08	Open To Flow (1)
14	122.15	111.13	Shut-In(1)
45	1262.63	117.73	End Shut-In(1)
45	126.75	117.37	Open To Flow (2)
75	274.71	123.45	Shut-In(2)
136	1264.30	121.07	End Shut-In(2)
137	2168.61	121.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	water 100%w	3.39
120.00	s m c w 10%m 90%w	1.68
135.00	m c w 30%m 70%w	1.89

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43314

**DST#: 6**

ATTN: Tim Priest

Test Start: 2011.05.13 @ 09:22:16

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

45000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
300.00	water 100%w	3.388
120.00	s m c w 10%m 90%w	1.683
135.00	m c w 30%m 70%w	1.894

Total Length: 555.00 ft      Total Volume: 6.965 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

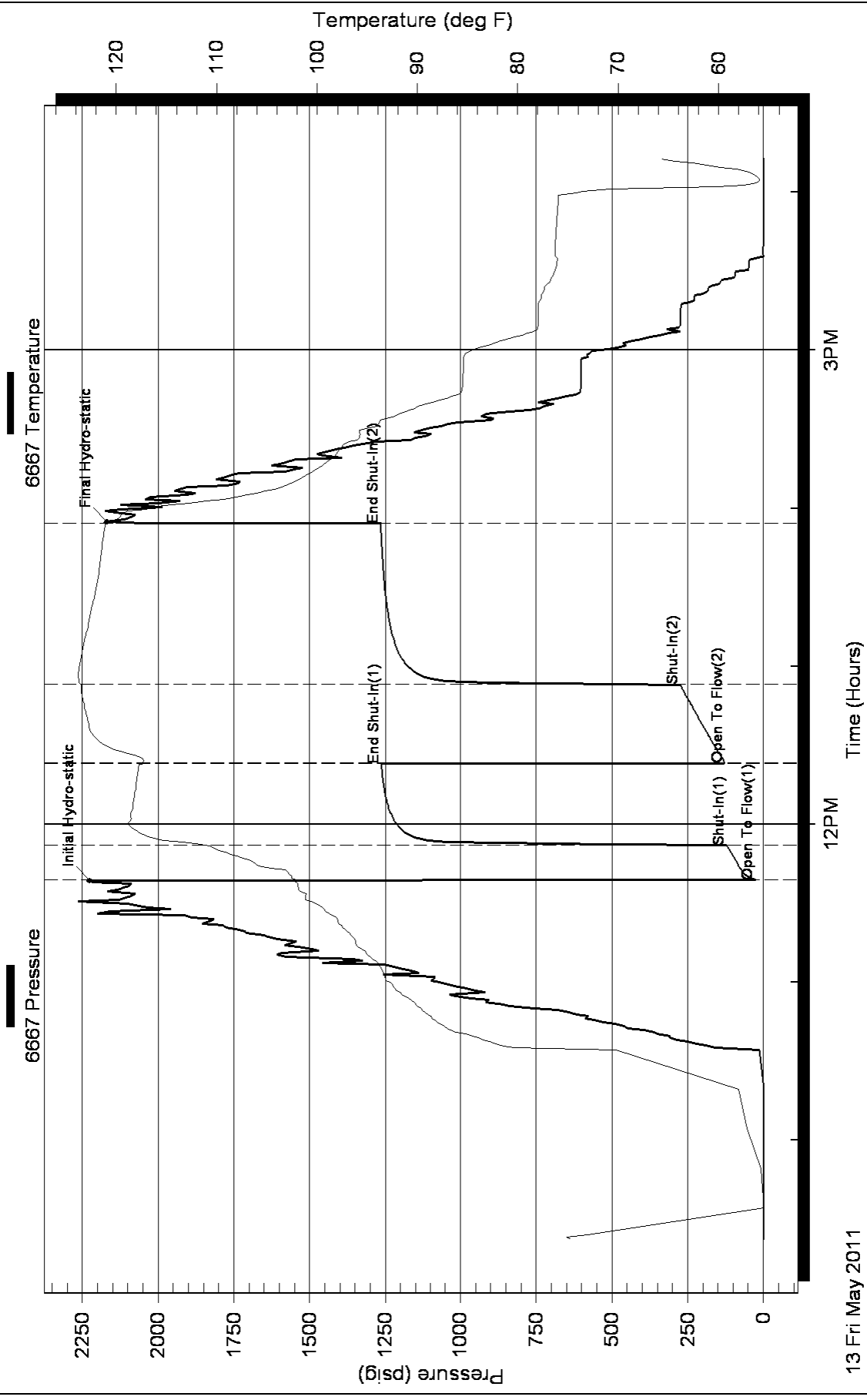
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .159 @ 70<sup>f</sup> = 45,000 chlor

### Pressure vs. Time



13 Fri May 2011



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43315

**DST#: 7**

Test Start: 2011.05.14 @ 01:37:15

## GENERAL INFORMATION:

Formation: **'L' zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:30:00

Time Test Ended: 07:30:45

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 55

**Interval: 4286.00 ft (KB) To 4318.00 ft (KB) (TVD)**

Total Depth: 4318.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3038.00 ft (KB)

3026.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8368 Outside**

Press @ Run Depth: 28.66 psig @ 4287.00 ft (KB)

Start Date: 2011.05.14

End Date: 2011.05.14

Start Time: 01:37:15

End Time: 07:18:45

Capacity: 8000.00 psig

Last Calib.: 2011.05.14

Time On Btm: 2011.05.14 @ 03:29:45

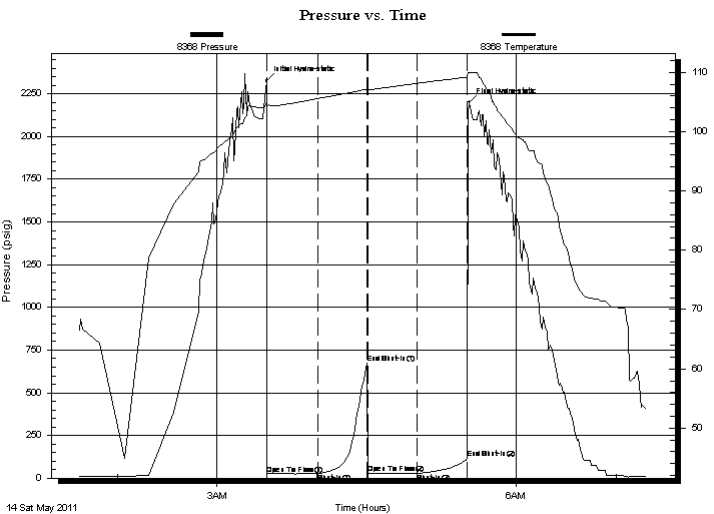
Time Off Btm: 2011.05.14 @ 05:31:45

**TEST COMMENT:** IF:Weak surface blow died in 4min

IS:No return

FF:No blow

FS:No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2326.77	104.94	Initial Hydro-static
1	23.75	104.07	Open To Flow (1)
31	25.64	105.56	Shut-In(1)
61	674.58	107.16	End Shut-In(1)
61	27.85	106.80	Open To Flow (2)
91	28.66	108.12	Shut-In(2)
121	115.66	109.20	End Shut-In(2)
122	2199.36	109.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mw/oil scum 100%m	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43315

**DST#: 7**

ATTN: Tim Priest

Test Start: 2011.05.14 @ 01:37:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mw/oil scum 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

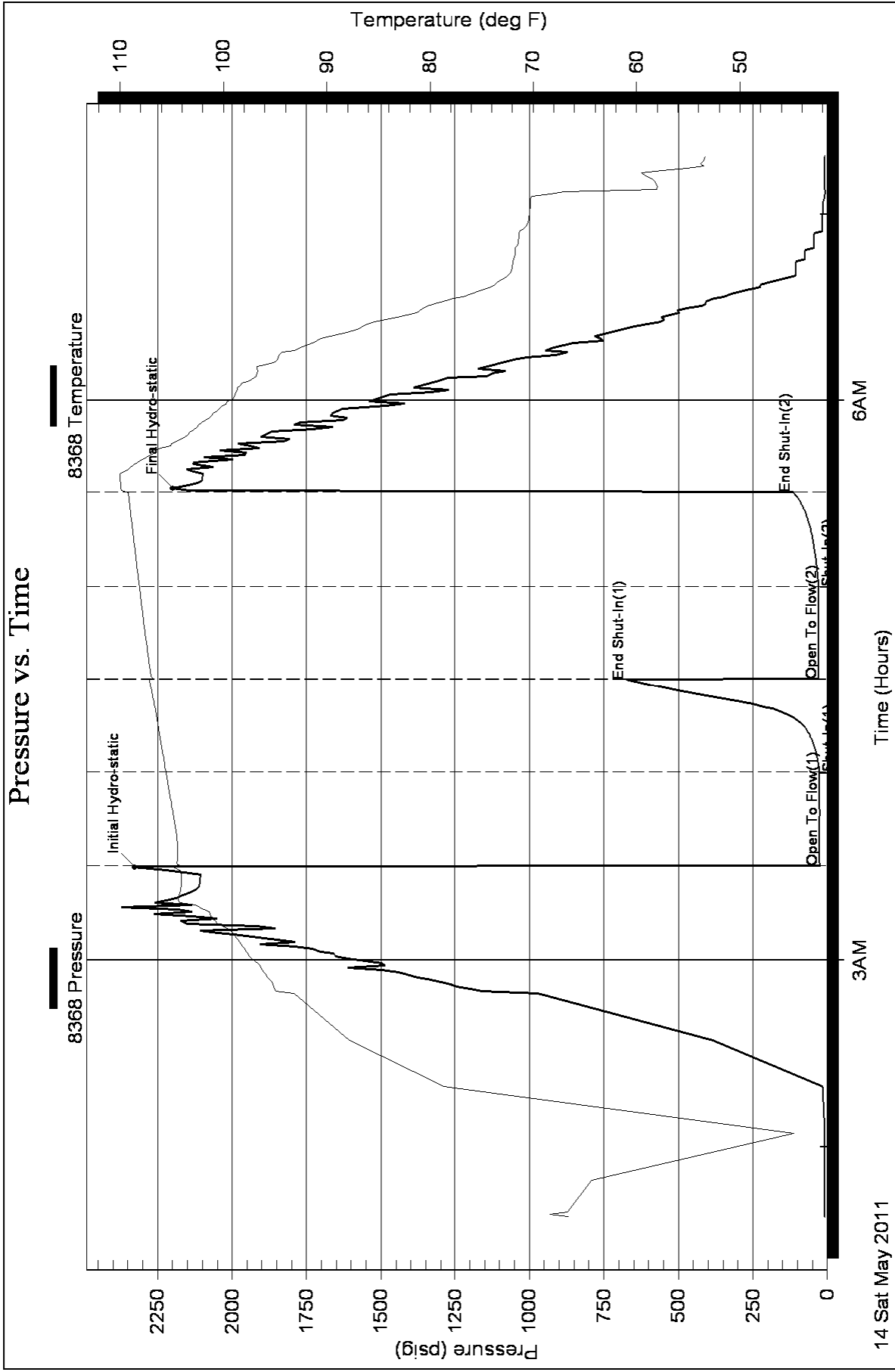
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43316

**DST#: 8**

Test Start: 2011.05.14 @ 19:48:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:39:45

Time Test Ended: 02:30:45

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 55

**Interval: 4354.00 ft (KB) To 4390.00 ft (KB) (TVD)**

Total Depth: 4194.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3038.00 ft (KB)

3026.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 6771**

**Inside**

Press @ Run Depth: 36.93 psig @ 4355.00 ft (KB)

Start Date: 2011.05.14

End Date:

2011.05.15

Start Time: 19:48:15

End Time:

01:53:45

Capacity: 8000.00 psig

Last Calib.: 2011.05.15

Time On Btm: 2011.05.14 @ 21:39:30

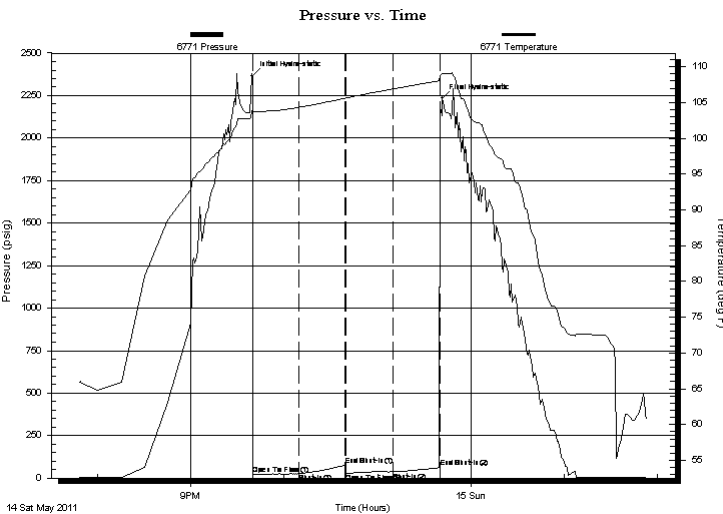
Time Off Btm: 2011.05.14 @ 23:41:45

TEST COMMENT: IF:1/8 of an inch blow

IS:No return

FF:No blow

FS:No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2365.45	103.99	Initial Hydro-static
1	21.12	103.51	Open To Flow (1)
30	26.36	104.33	Shut-In(1)
60	78.25	105.60	End Shut-In(1)
61	31.05	105.61	Open To Flow (2)
91	36.93	106.89	Shut-In(2)
121	61.57	108.04	End Shut-In(2)
123	2234.38	109.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/o spots 100% mud	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43316

**DST#: 8**

ATTN: Tim Priest

Test Start: 2011.05.14 @ 19:48:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5800.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w/o spots 100% mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

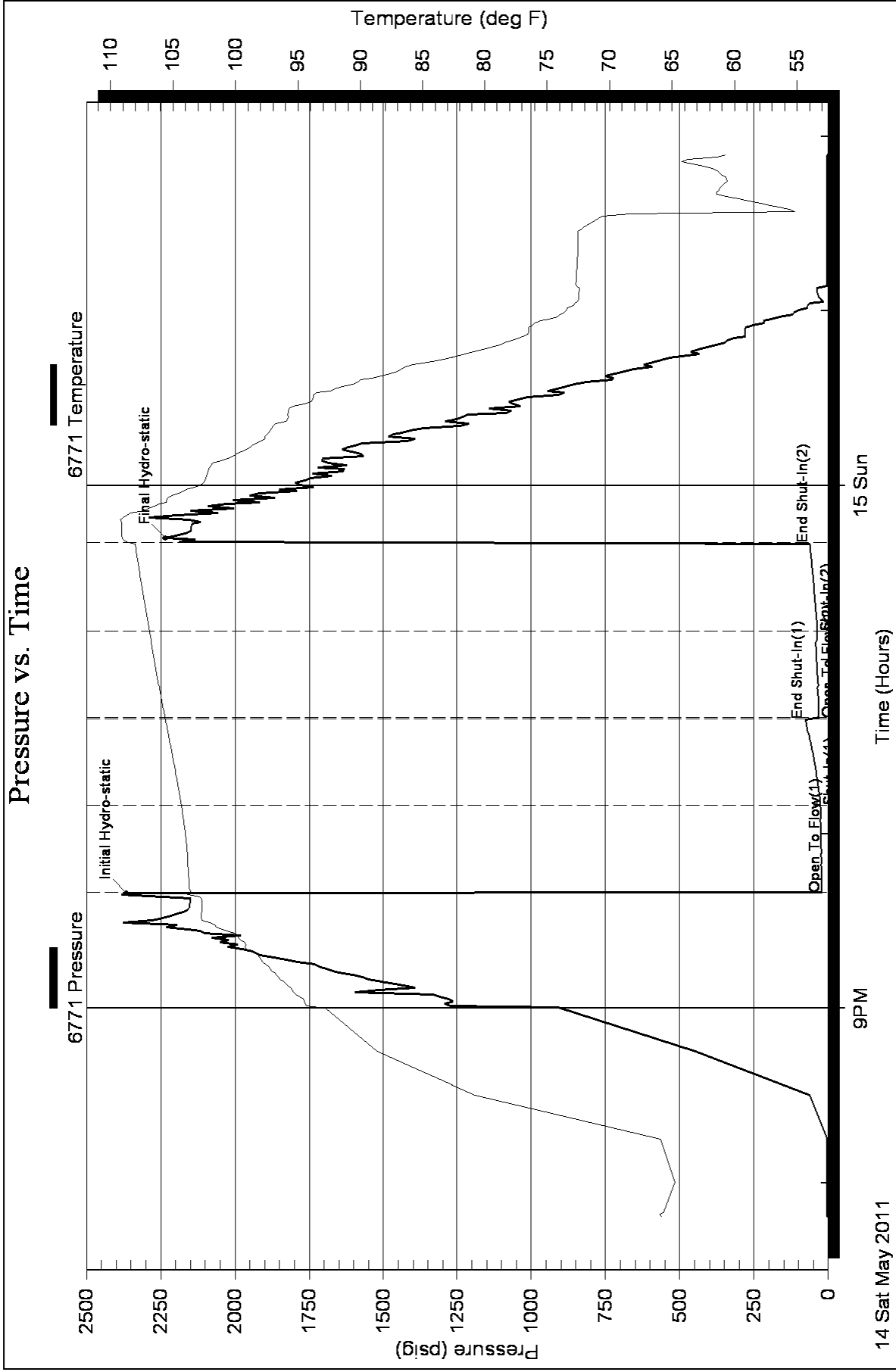
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43317

**DST#: 9**

Test Start: 2011.05.16 @ 00:20:00

## GENERAL INFORMATION:

Formation: **Pawnee Myrick St Ft**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:47:15

Time Test Ended: 08:40:00

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 55

**Interval: 4446.00 ft (KB) To 4534.00 ft (KB) (TVD)**

Reference Elevations: 3038.00 ft (KB)

Total Depth: 4534.00 ft (KB) (TVD)

3026.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6771 Inside**

Press @ Run Depth: 52.91 psig @ 4447.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.16

End Date: 2011.05.16

Last Calib.: 2011.05.16

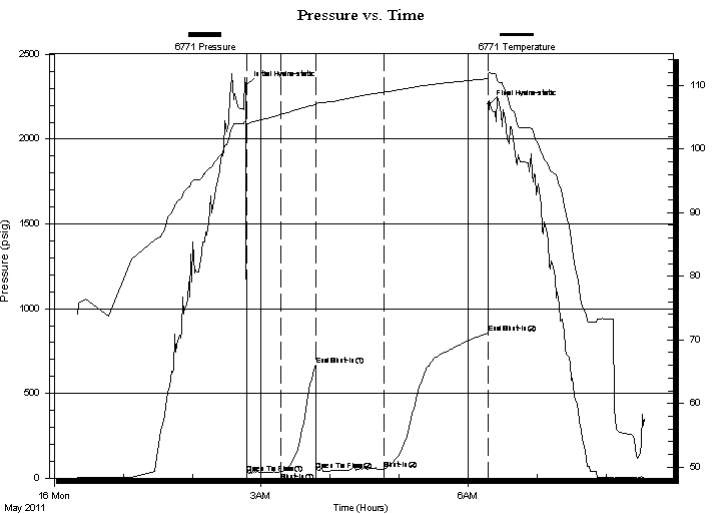
Start Time: 00:20:15

End Time: 08:34:00

Time On Btm: 2011.05.16 @ 02:47:00

Time Off Btm: 2011.05.16 @ 06:18:15

**TEST COMMENT:** 2" in blow  
No return  
3 1/2" in blow  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.18	104.10	Initial Hydro-static
1	26.08	103.68	Open To Flow (1)
31	36.86	105.43	Shut-In(1)
61	666.91	106.98	End Shut-In(1)
61	45.96	107.01	Open To Flow (2)
120	52.91	108.94	Shut-In(2)
211	856.17	111.08	End Shut-In(2)
212	2204.71	112.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	s o c m 7%o 93%m	0.39

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43317

**DST#: 9**

ATTN: Tim Priest

Test Start: 2011.05.16 @ 00:20:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
80.00	s o c m 7%o 93%m	0.393

Total Length: 80.00 ft      Total Volume: 0.393 bbl

Num Fluid Samples: 0

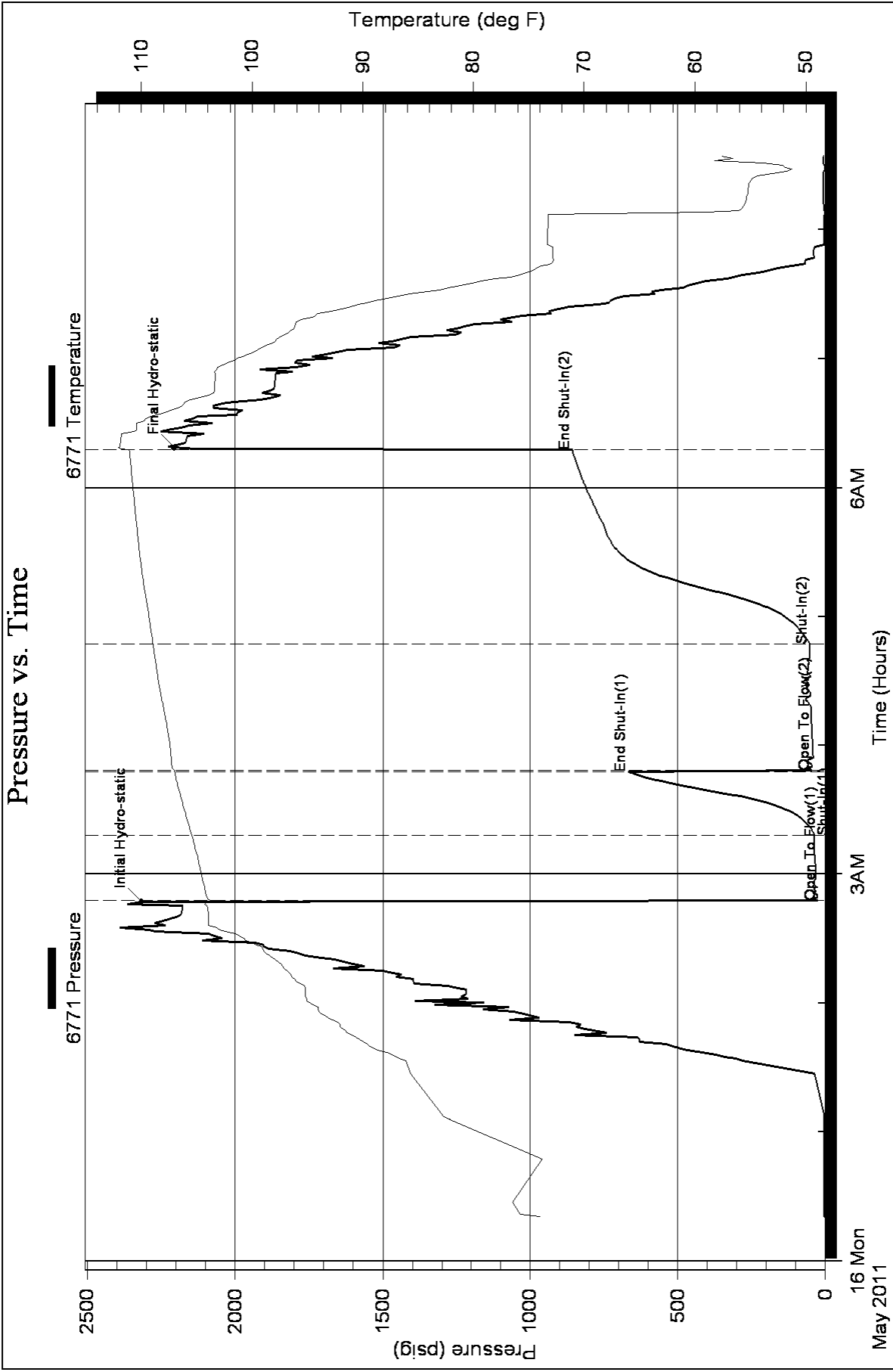
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43318

**DST#: 10**

Test Start: 2011.05.16 @ 21:41:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:45:15

Time Test Ended: 05:47:00

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 55

**Interval: 4565.00 ft (KB) To 4612.00 ft (KB) (TVD)**

Reference Elevations: 3038.00 ft (KB)

Total Depth: 4194.00 ft (KB) (TVD)

3026.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 6667 Outside**

Press @ Run Depth: 134.43 psig @ 4566.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.16 End Date: 2011.05.17

Last Calib.: 2011.05.17

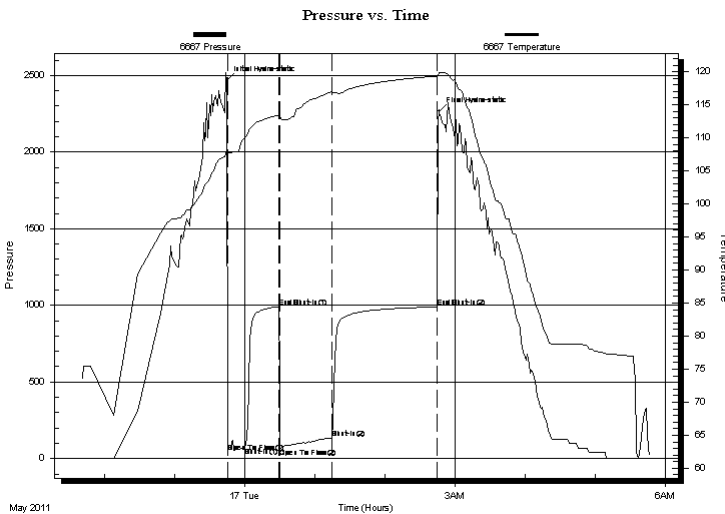
Start Time: 21:41:15 End Time: 05:47:00

Time On Btm: 2011.05.16 @ 23:45:00

Time Off Btm: 2011.05.17 @ 02:46:30

**TEST COMMENT:** B.O.B. in 10 min  
No return  
B.O.B. 4 min  
1" in return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2464.00	108.03	Initial Hydro-static
1	40.62	107.57	Open To Flow (1)
16	72.06	110.02	Shut-In(1)
45	990.53	113.45	End Shut-In(1)
46	66.29	113.13	Open To Flow (2)
90	134.43	117.03	Shut-In(2)
180	990.04	119.33	End Shut-In(2)
182	2266.39	119.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	g m c o 10% m 15% g 75% o	2.55
120.00	s g m c o 5% g 10% m 85% o	1.68
0.00	180' weak gas in pipe	0.00

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43318

**DST#: 10**

ATTN: Tim Priest

Test Start: 2011.05.16 @ 21:41:00

## 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:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
240.00	g m c o10% m 15% g 75% o	2.547
120.00	s g m c o 5% g 10% m 85% o	1.683
0.00	180' weak gas in pipe	0.000

Total Length: 360.00 ft

Total Volume: 4.230 bbl

Num Fluid Samples: 0

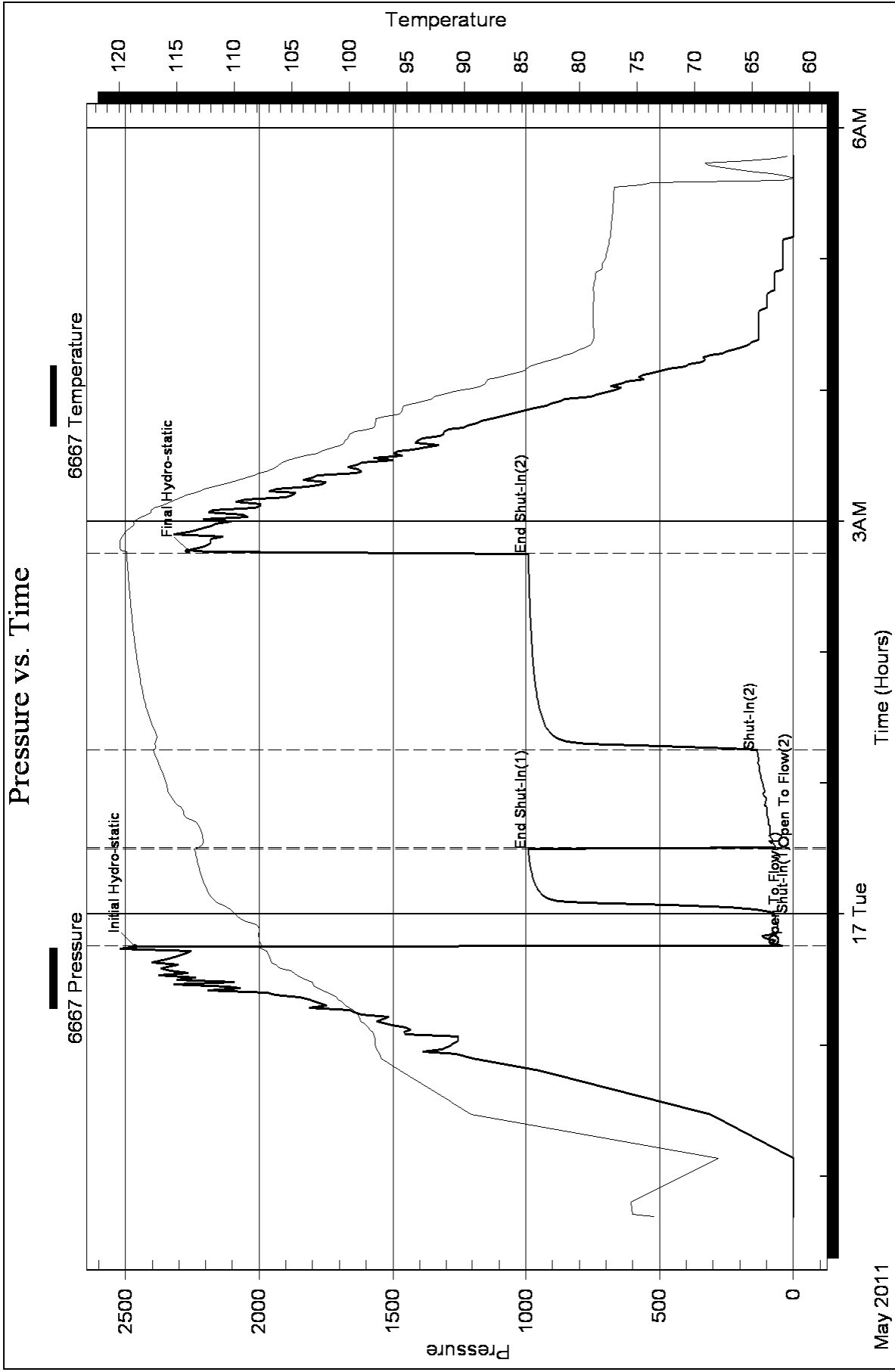
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

ATTN: Tim Priest

Job Ticket: 43319

**DST#: 11**

Test Start: 2011.05.17 @ 13:55:00

## GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:18:45

Time Test Ended: 21:15:45

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 55

**Interval: 4608.00 ft (KB) To 4625.00 ft (KB) (TVD)**

Reference Elevations: 3038.00 ft (KB)

Total Depth: 4625.00 ft (KB) (TVD)

3026.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 6771**

**Inside**

Press @ Run Depth: 35.34 psig @ 4609.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.17 End Date: 2011.05.17

Last Calib.: 2011.05.17

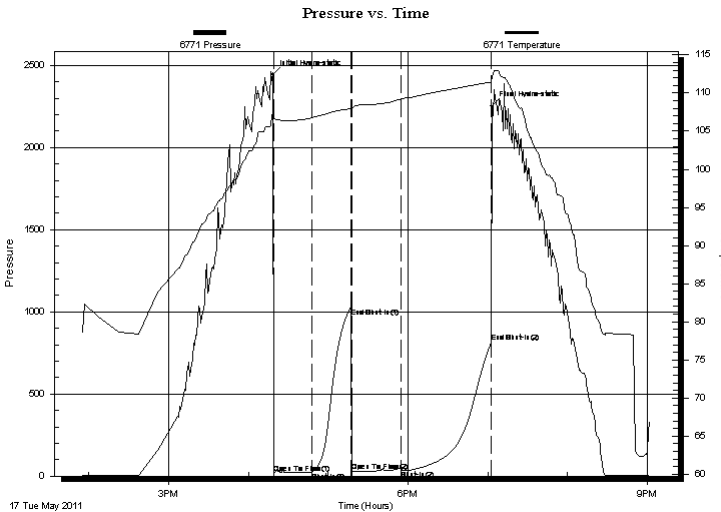
Start Time: 13:55:15 End Time: 21:01:45

Time On Btm: 2011.05.17 @ 16:18:30

Time Off Btm: 2011.05.17 @ 19:03:15

**TEST COMMENT:** IF:Surface blow  
IS:No return  
FF:Surface blow  
FS:No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2444.54	107.32	Initial Hydro-static
1	19.36	106.64	Open To Flow (1)
29	24.61	106.76	Shut-In(1)
59	965.82	107.91	End Shut-In(1)
59	27.84	107.78	Open To Flow (2)
97	35.34	109.21	Shut-In(2)
165	813.53	111.42	End Shut-In(2)
165	2253.71	112.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	s o c m 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**

Shakespear Oil Co. Inc.

**Stoll #2-17**

202 W Main St.  
Salem, IL. 62881

**17/13/32/Logan,KS**

Job Ticket: 43319

**DST#: 11**

ATTN: Tim Priest

Test Start: 2011.05.17 @ 13:55:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	s o c m 5%o 95%m	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

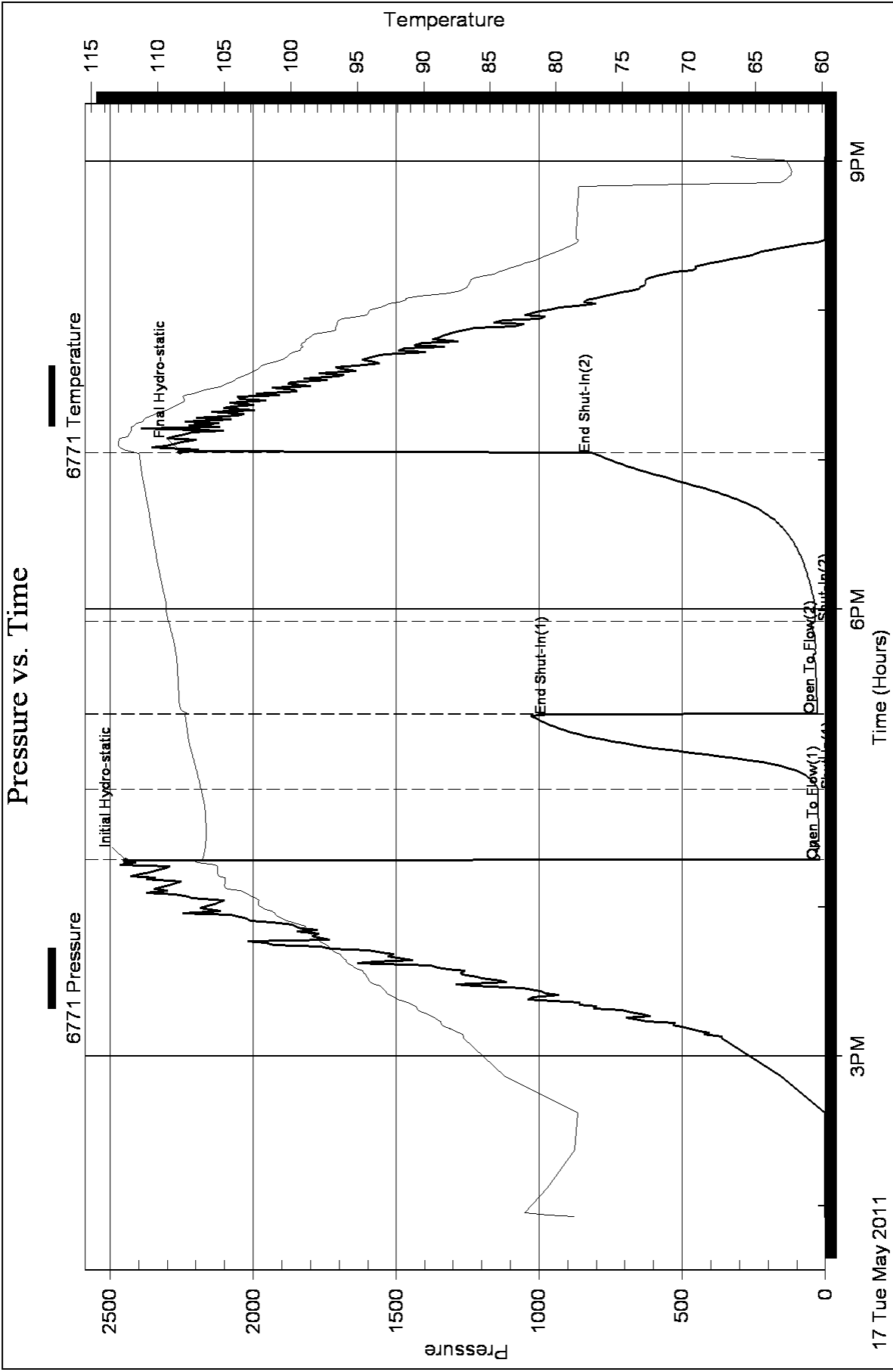
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**GEOLOGIST'S REPORT**  
**DRILLING TIME AND SAMPLE LOG**

COMPANY **SHAKESPARE OIL CO.**  
 LEASE **Shak #17**  
 FIELD **Wildcat**  
 LOCATION **1870' FSL, 2299' FWL**  
 SEC **17** TWP **13S** RGE **32W**  
 COUNTY **Logan** STATE **Kansas**

CONTRACTOR **HD Drilling Rig #2**  
 SPUD **5-4-11** COMP **LTD**  
 RTD **3600'** TYPE MUD **Chemical**  
 MUD UP **3600'** CONDUCTOR **N/A**  
 SAMPLES SAVED FROM **3850'** to RTD  
 DRILLING TIME KEPT FROM **3850'** to RTD  
 SAMPLES EXAMINED FROM **3850'** to RTD

GEOLOGICAL SUPERVISION FROM **3900'** to RTD  
 GEOLOGIST ON WELL **Tim Priest**

FORMATION TOPS **ELECTRIC LOG**  
 Anhydrite **2514 (4513)**  
 Heebner Shale **3965 (938)**  
 Toronto **3991 (964)**  
 Stark **4010 (983)**

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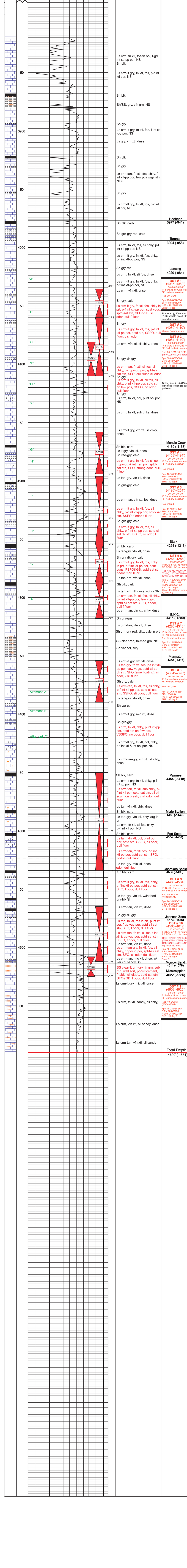
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 Stark **4010 (983)**

BKC  
 Fort Scott  
 Cherokee Shale  
 Mississippian

REMARKS

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-109-20998-00-00



REMARKS

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 23, 2011

Donald R. Williams  
Shakespeare Oil Co., Inc.  
202 W MAIN ST  
SALEM, IL 62881-1519

Re: ACO1  
API 15-109-20998-00-00  
Stoll 2-17  
SW/4 Sec.17-13S-32W  
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Donald R. Williams