



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1230131  
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
-----------------------------------	-----------------	---

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: \_\_\_\_\_

1230131

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
--	---

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
----------------	-------	---------	------------	---

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> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<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> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Nightengale Grain 1-28
Doc ID	1230131

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Nightengale Grain 1-28
Doc ID	1230131

Tops

Name	Top	Datum
Base Anhydrite	2477	+673
Heebner	4004	-856
Lansing	4047	-899
Muncie Creek	4230	-1082
Stark Shale	4331	-1183
Hushpuckney	4377	-1229
Pawnee	4552	-1404
L. Cherokee Shale	4634	-1486
Johnson	4681	-1533
Mississippian	4814	-1666





PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 145797  
Invoice Date: Sep 20, 2014  
Page: 1

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	63753	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Sep 20, 2014	10/20/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Nightengale Grain #1-28		
190.00	CEMENT MATERIALS	Class A Common	17.90	3,401.00
357.00	CEMENT MATERIALS	Gel	0.50	178.50
536.00	CEMENT MATERIALS	Chloride	1.10	589.60
205.45	CEMENT SERVICE	Cubic Feet Charge	2.48	509.52
468.50	CEMENT SERVICE	Ton Mileage Charge	2.75	1,288.38
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		



10502-5  
J

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

\$ 2,089.79

ONLY IF PAID ON OR BEFORE  
Oct 20, 2014

Subtotal	8,359.25
Sales Tax	339.78
Total Invoice Amount	8,699.03
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,699.03</b>

DW

# ALLIED OIL & GAS SERVICES, LLC

87240  
063753

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: 9.504  
Carley Ky

DATE <u>9/20/14</u>	SEC. <u>28</u>	TWP. <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00</u>	JOB FINISH <u>9:30</u>
LEASE <u>Night Hawk Creek</u>	WELL# <u>1-2</u>	LOCATION <u>Pence 15 W 1 S. E. 20</u>			COUNTY <u>Scott</u>	STATE <u>Ky</u>	
OLD OR NEW (Circle one)							

CONTRACTOR HO 2

TYPE OF JOB Surf Ace

HOLE SIZE 12" 1/4 T.D. 270

CASING SIZE 8 5/8 DEPTH 270

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 16-2.435 @ 120

OWNER Same

CEMENT AMOUNT ORDERED 190 Com 370 CL 270 gel

EQUIPMENT

PUMP TRUCK CEMENTER Alan Ryan

# 403281 HELPER Kevin Ryan

BULK TRUCK DRIVER Tuan M (T103)

# 818 DRIVER

COMMON	<u>190</u>	@ <u>17.92</u>	<u>3404.00</u>
POZMIX		@	
GEL	<u>352</u>	@ <u>1.90</u>	<u>668.80</u>
CHLORIDE	<u>536</u>	@ <u>1.10</u>	<u>589.60</u>
ASC		@	
Material Total			<u>4072.40</u>
(10% 2.25 / 2.5%)			
HANDLING	<u>205.454 @ 2.42</u>		<u>509.52</u>
MILEAGE	<u>225.70 @ 4.37</u>		<u>986.21</u>
TOTAL			<u>5568.13</u>

REMARKS:

By Coy, Gravel, Max Cement, Airplane Cement

Sheet in

Cement 15' Gravel

1700 lbs

Alan Kevin Tuan M

SERVICE

DEPTH OF JOB 270'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE 5.0 @ 7.20 36.00

MANIFOLD @ 205.20

Waterwell 50 @ 4.40 220.00

(10% 2.54 / 2.5%) TOTAL 4190.16

CHARGE TO: Shallegeare

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL _____		

To: Allied Oil & Gas Services, 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 Jeff Brock

SIGNATURE Jeff Brock

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

TOTAL CHARGES 8,359.16

DISCOUNT 2,089.00 IF PAID IN 30 DAYS

6,270.16 Net





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 146081  
Invoice Date: Sep 30, 2014  
Page: 1

Voice: (817) 546-7282  
Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	64253	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Sep 30, 2014	10/30/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Nightengale #1-28		
165.00	CEMENT MATERIALS	ASC	23.50	3,877.50
825.00	CEMENT MATERIALS	Gilsonite	0.98	808.50
116.00	CEMENT MATERIALS	CD-31	7.73	896.68
25.00	CEMENT MATERIALS	Defoamer	4.85	121.25
12.00	CEMENT MATERIALS	Super Flush	41.09	493.08
208.00	CEMENT SERVICE	Cubic Feet Charge	2.48	515.84
173.38	CEMENT SERVICE	Ton Mileage Charge	2.75	476.80
1.00	CEMENT SERVICE	Production Casing ✓	2,765.75	2,765.75
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

INT



10502-5  
KW

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

\$ 2,723.85

ONLY IF PAID ON OR BEFORE

Oct 30, 2014

Subtotal	10,835.40
Sales Tax	505.06
Total Invoice Amount	11,340.46
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,340.46</b>

DW



# ALLIED OIL & GAS SERVICES, LLC 064253

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Cabley

DATE <u>9-30-14</u>	SEC <u>28</u>	TWP. <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>10:30 AM</u>
<u>Nightengale</u>	WELL# <u>1-28</u>	LOCATION <u>Pence 15 1/2 W 1/2 S</u>			COUNTY <u>Scott</u>	STATE <u>Ks</u>	
LEASE <u>Co. own</u>				OLD OR NEW (Circle one) <u>Into</u>			

CONTRACTOR <u>HO #2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>2 1/8</u>	T.D. <u>4890'</u>
CASING SIZE <u>5/8</u>	DEPTH <u>4889'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>Port collar</u>	DEPTH <u>2428.94</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42'</u>
CEMENT LEFT IN CSG. <u>42'</u>	
PERFS.	
DISPLACEMENT <u>115.35</u>	

EQUIPMENT		CEMENT	
PUMP TRUCK	CEMENTER <u>Andrew Forstner</u>	AMOUNT ORDERED <u>165 sks Asc 110 salt</u>	
# <u>431</u>	HELPER <u>Brandon Williams</u>	<u>5" Gilsonite 209 gal. 40E 1% salt 20-31</u>	
BULK TRUCK		<u>US Defoamer 500 gal. w. FR-2</u>	
# <u>818</u>	DRIVER <u>Juan (TMS)</u>	COMMON _____ @ _____	
BULK TRUCK		POZMIX _____ @ _____	
# _____	DRIVER _____	GEL _____ @ _____	
		CHLORIDE _____ @ _____	
		ASC <u>165 sks</u> @ <u>23.50</u> <u>3871.50</u>	
		Gilsonite <u>825#</u> @ <u>.98</u> <u>808.50</u>	
		20-31 <u>116#</u> @ <u>2.23</u> <u>894.68</u>	
		Defoamer <u>25#</u> @ <u>4.85</u> <u>121.25</u>	
		Super flush <u>12 BBL.</u> @ <u>41.09</u> <u>493.08</u>	
		HANDLING <u>208 salt</u> @ <u>2.88</u> <u>598.84</u>	
		MILEAGE <u>2.25 724/mile</u> @ <u>22.20</u> <u>49.80</u>	

REMARKS: plug all salt  
Pump 12000 Super Flush, mix 135  
skt down 5/8 casing, wash pump  
and line clean. Refuse plug  
and displace 200' lift band  
plug 1200'. float hole.

material, 1000  
(1549.26/253) 619.01  
SERVICE

DEPTH OF JOB <u>4889'</u>	
PUMP TRUCK CHARGE _____	<u>225.25</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>50 miles</u> @ <u>7.20</u> <u>385.00</u>	
MANIFOLD <u>head</u> @ _____ <u>225.00</u>	
Light vehicle @ <u>4.40</u> <u>220.00</u>	

Thank you

CHARGE TO: Shake speare

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

(1142.09/258) TOTAL 4588.51

To: Allied Oil & Gas Services, 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

PLUG & FLOAT EQUIPMENT	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
TOTAL _____	
SALES TAX (If Any) _____	
TOTAL CHARGES <u>10,127.40</u>	
DISCOUNT <u>2,196.33/258</u> IF PAID IN 30 DAYS	
<u>8,931.07</u>	



PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 146310  
Invoice Date: Oct 6, 2014  
Page: 1

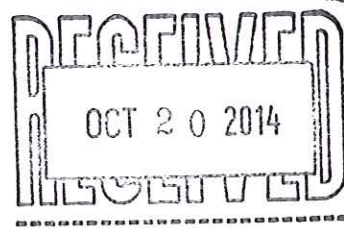
Federal Tax I.D.#: 20-8651475

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Field Ticket #	Payment Terms	
Shak	64118	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Oct 6, 2014	11/5/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<u>Nightengale Grain #1-28</u>		
254.00	CEMENT MATERIALS	Class A Common	17.90	4,546.60
136.00	CEMENT MATERIALS	Pozmix	9.35	1,271.60
2,714.00	CEMENT MATERIALS	Gel	0.50	1,357.00
98.00	CEMENT MATERIALS	Flo Seal	2.97	291.06
300.00	CEMENT MATERIALS	Cottonseed Hulls	0.98	294.00
586.33	CEMENT SERVICE	Cubic Feet Charge	2.48	1,454.10
1,082.25	CEMENT SERVICE	Ton Mileage Charge	2.75	2,976.19
1.00	CEMENT SERVICE	<u>Port Collar</u> ✓	2,483.56	2,483.56
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		

INT



10502-5  
hr

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

\$ 3,804.65

ONLY IF PAID ON OR BEFORE  
Nov 5, 2014

Subtotal	15,218.61
Sales Tax	632.46
Total Invoice Amount	15,851.07
Payment/Credit Applied	
<b>TOTAL</b>	<b>15,851.07</b>

DW

# ALLIED OIL & GAS SERVICES, LLC 064118

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley, KS

DATE <u>10-6-14</u>	SEC. <u>28</u>	TWP. <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>1:30 pm</u>	JOB START <u>1:30 pm</u>	JOB FINISH <u>2:30 pm</u>
LEASE <u>Crain</u>	WELL # <u>1-28</u>	LOCATION <u>Pence 15, <del>W 1/2 Sec 28</del></u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>Y 2 W 1 S 4 E wife</u>			

CONTRACTOR Wild West  
TYPE OF JOB Port Collar

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
CASING SIZE 3 1/2 DEPTH \_\_\_\_\_  
TUBING SIZE 2 7/8 DEPTH 2431  
DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
TOOL Port Collar DEPTH 2431'  
PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
CEMENT LEFT IN CSG. \_\_\_\_\_  
PERFS. \_\_\_\_\_  
DISPLACEMENT 822 bbl

EQUIPMENT

PUMP TRUCK # 431 CEMENTER Robert E. White  
BULK TRUCK # 918/287 HELPER Wayne McGhly  
BULK TRUCK # \_\_\_\_\_ DRIVER Juan Salinas (Rus)  
BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER Same

CEMENT AMOUNT ORDERED 500 yds 65/35, 8" gel 14" 8lb-seal

COMMON	<u>334 yds @ 12.90</u>	<u>4546.60</u>
POZMIX	<u>126 yds @ 9.35</u>	<u>1177.60</u>
GEL	<u>271 yds @ 1.90</u>	<u>514.90</u>
CHLORIDE	_____ @ _____	_____
ASC	_____ @ _____	_____
<u>75-seal</u>	<u>98 yds @ 2.97</u>	<u>291.06</u>
<u>300#</u>	<u>300 yds @ .98</u>	<u>294.00</u>
<u>1700#</u>	<u>1700 yds @ 1.10</u>	<u>1870.00</u>
<u>1940.65/1052</u>	_____ @ _____	_____
HANDLING	<u>586.33 yds @ 2.98</u>	<u>1727.10</u>
MILEAGE	<u>24.5 pm x 43 x 2.25</u>	<u>2376.19</u>

REMARKS:  
Test port collar 1200' & open + break  
circ. max 370 yds cement at hulls  
to surface. Displace with water  
Close port collar & test. Run in 50'  
Reverse clean  
Cement circulated 25 yds to pit

Thank you

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

To: Allied Oil & Gas Services, 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 \_\_\_\_\_  
SIGNATURE [Signature]

TOTAL \_\_\_\_\_

SERVICE

DEPTH OF JOB 2431'  
PUMP TRUCK CHARGE \_\_\_\_\_ 2983.56  
EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
MILEAGE 43 @ 2.70 1161.00  
MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
45 @ 4.40 198.00

(1864.58/253) TOTAL 2,442.56

PLUG & FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 10,218.61  
DISCOUNT 3,804.65 (25%) IF PAID IN 30 DAYS  
11,413.96 Net



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**28-16s-34w Scott Co. KS**

202 Main St.  
Salem IL 62881

**Nightengale #1-28**

Job Ticket: 57733

**DST#: 1**

ATTN: Tim Priest

Test Start: 2014.09.25 @ 14:24:00

## GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:39:40

Time Test Ended: 00:53:25

Test Type: Conventional Straddle (Initial)

Tester: Will MacLean

Unit No: 71

**Interval: 4274.00 ft (KB) To 4303.00 ft (KB) (TVD)**

Reference Elevations: 3146.00 ft (KB)

Total Depth: 4360.00 ft (KB) (TVD)

3139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8674**

**Inside**

Press @ Run Depth: 131.32 psig @ 4275.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.25

End Date:

2014.09.26

Last Calib.:

2014.09.26

Start Time: 14:24:00

End Time:

00:53:25

Time On Btm:

2014.09.25 @ 17:39:25

Time Off Btm:

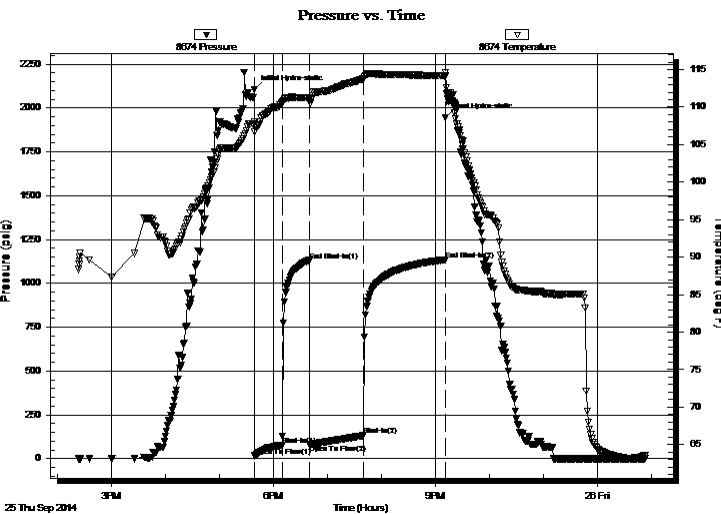
2014.09.25 @ 21:11:39

TEST COMMENT: IF- Weak Surface Blow Built to 3 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 10 1/4"

FS- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.73	108.00	Initial Hydro-static
1	16.37	106.68	Open To Flow (1)
31	76.47	110.52	Shut-In(1)
61	1131.12	111.24	End Shut-In(1)
62	80.94	110.71	Open To Flow (2)
121	131.32	113.75	Shut-In(2)
212	1135.77	114.16	End Shut-In(2)
213	1944.53	114.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
82.00	GWOCM 3%g 4%w 23%oil 70%m	0.40
42.00	WGMCO 3%w 9%g 40%m 48%oil	0.21
62.00	MGCO 4%m 12%g 84%oil	0.87
114.00	MCO 8%m 92%oil	1.60
0.00	72' of Weak GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**28-16s-34w Scott Co. KS**

202 Main St.  
Salem IL 62881

**Nightengale #1-28**

Job Ticket: 57733

**DST#: 1**

ATTN: Tim Priest

Test Start: 2014.09.25 @ 14:24:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
82.00	GWOCM 3%g 4%w 23%oil 70%m	0.403
42.00	WGMCO 3%w 9%g 40%m 48%oil	0.207
62.00	MGCO 4%m 12%g 84%oil	0.870
114.00	MCO 8%m 92%oil	1.599
0.00	72' of Weak GIP	0.000

Total Length: 300.00 ft

Total Volume: 3.079 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 21 @ 70f = 20

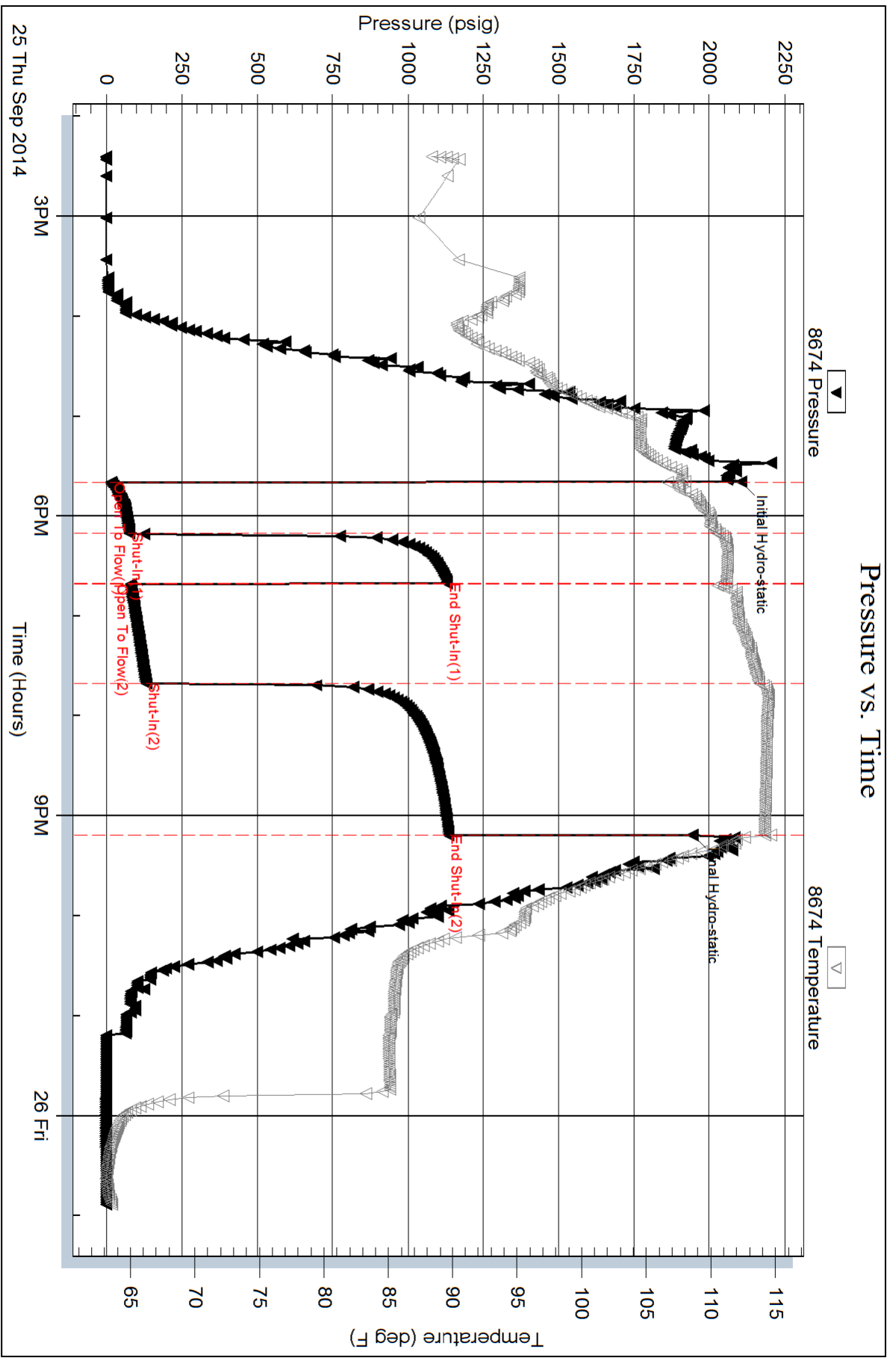
Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Nightengale #1-28

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57733

Printed: 2014.09.26 @ 05:17:02

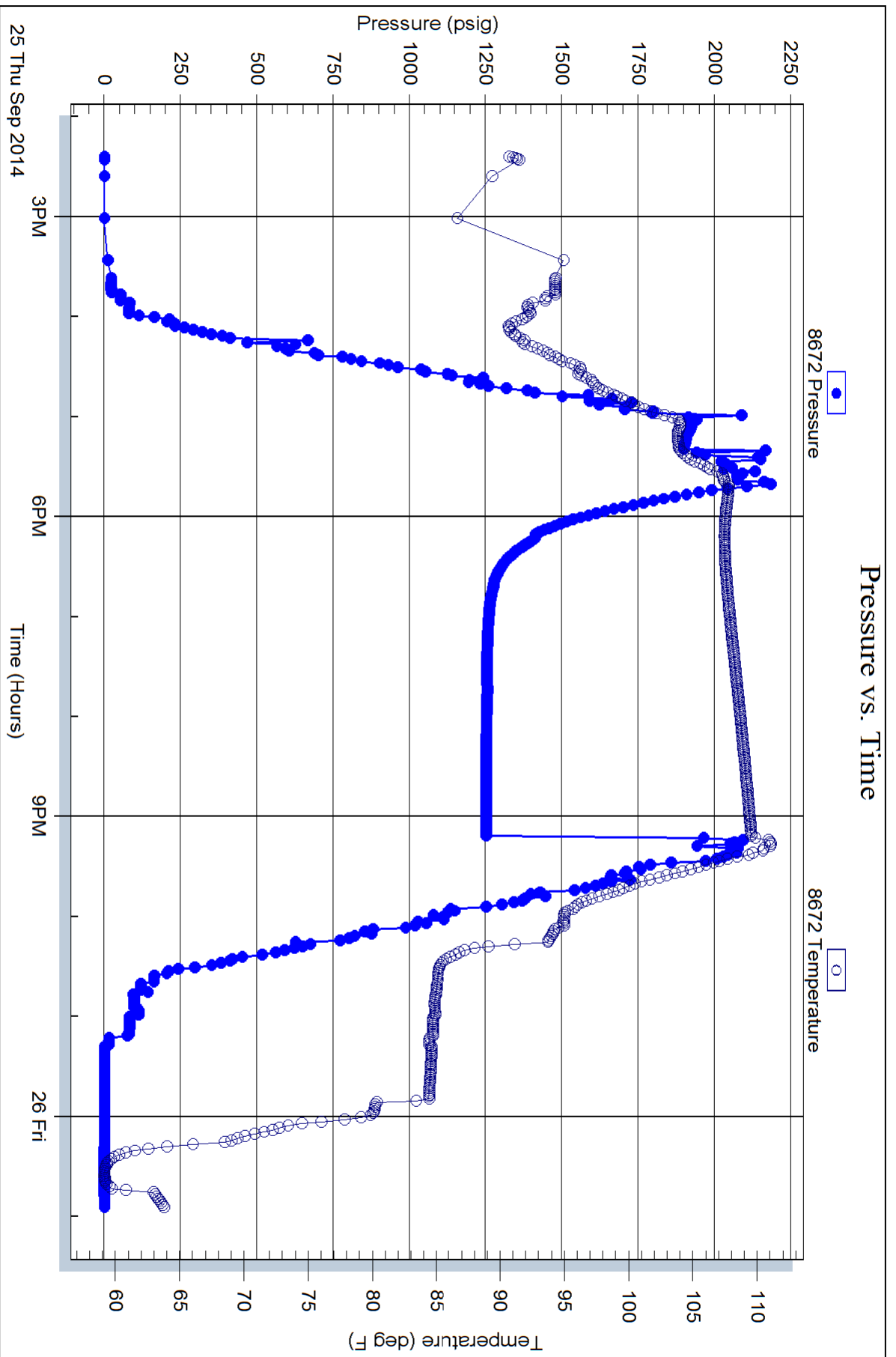


Serial #: 8672

Below (Stratton) Speare Oil Co. Inc

Nightengale #1-28

DST Test Number: 1





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**28-16s-34w Scott Co. KS**

202 Main St.  
Salem IL 62881

**Nightengale #1-28**

Job Ticket: 57734

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.09.27 @ 01:26:00

## GENERAL INFORMATION:

Formation: **Marmanton " A - B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:25

Time Test Ended: 09:36:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 71

**Interval: 4468.00 ft (KB) To 4516.00 ft (KB) (TVD)**

Reference Elevations: 3146.00 ft (KB)

Total Depth: 4516.00 ft (KB) (TVD)

3139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8674**

**Inside**

Press @ Run Depth: 90.29 psig @ 4469.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.27

End Date:

2014.09.27

Last Calib.:

2014.09.27

Start Time: 01:26:00

End Time:

09:36:09

Time On Btm:

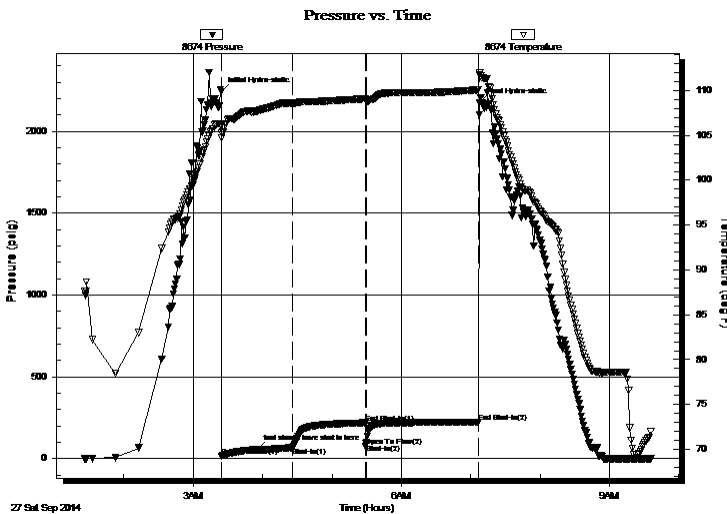
2014.09.27 @ 03:24:10

Time Off Btm:

2014.09.27 @ 07:07:54

**TEST COMMENT:** IF- Weak Surface Blow Built to 3 3/4"  
IS- Weak Surface Blow Built to 5"  
FF- Weak Surface Blow Built to 3"  
FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.40	106.11	Initial Hydro-static
1	14.86	104.69	Open To Flow (1)
31	54.18	107.70	tool should have shut in here
62	66.51	108.53	Shut-In(1)
125	218.45	109.08	End Shut-In(1)
125	73.35	108.98	Open To Flow (2)
126	90.29	108.87	Shut-In(2)
223	224.13	110.08	End Shut-In(2)
224	2177.60	112.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	WGOCM 3%w 6%g 20%oil 71%m	0.30
62.00	MGCO 10%m 22%g 68%oil	0.30
31.00	MGCO 4%m 5%g 91%oil	0.43
0.00	93' of GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**28-16s-34w Scott Co. KS**

202 Main St.  
Salem IL 62881

**Nightengale #1-28**

Job Ticket: 57734

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.09.27 @ 01:26:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	WGOCM 3%w 6%g 20%oil 71%m	0.305
62.00	MGCO 10%m 22%g 68%oil	0.305
31.00	MGCO 4%m 5%g 91%oil	0.435
0.00	93' of GIP	0.000

Total Length: 155.00 ft      Total Volume: 1.045 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 31 @ 70f = 30

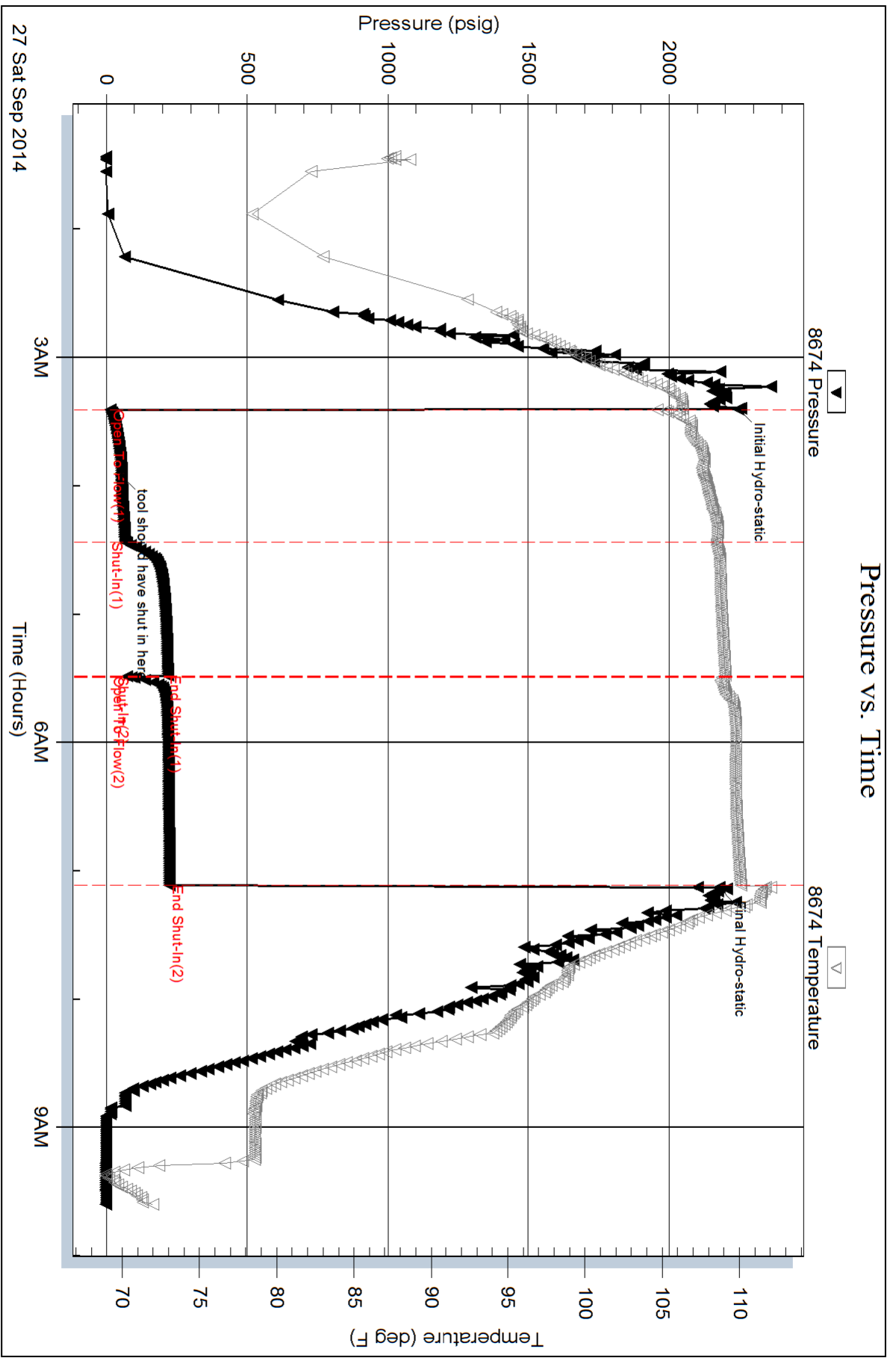
Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Nightengale #1-28

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57734

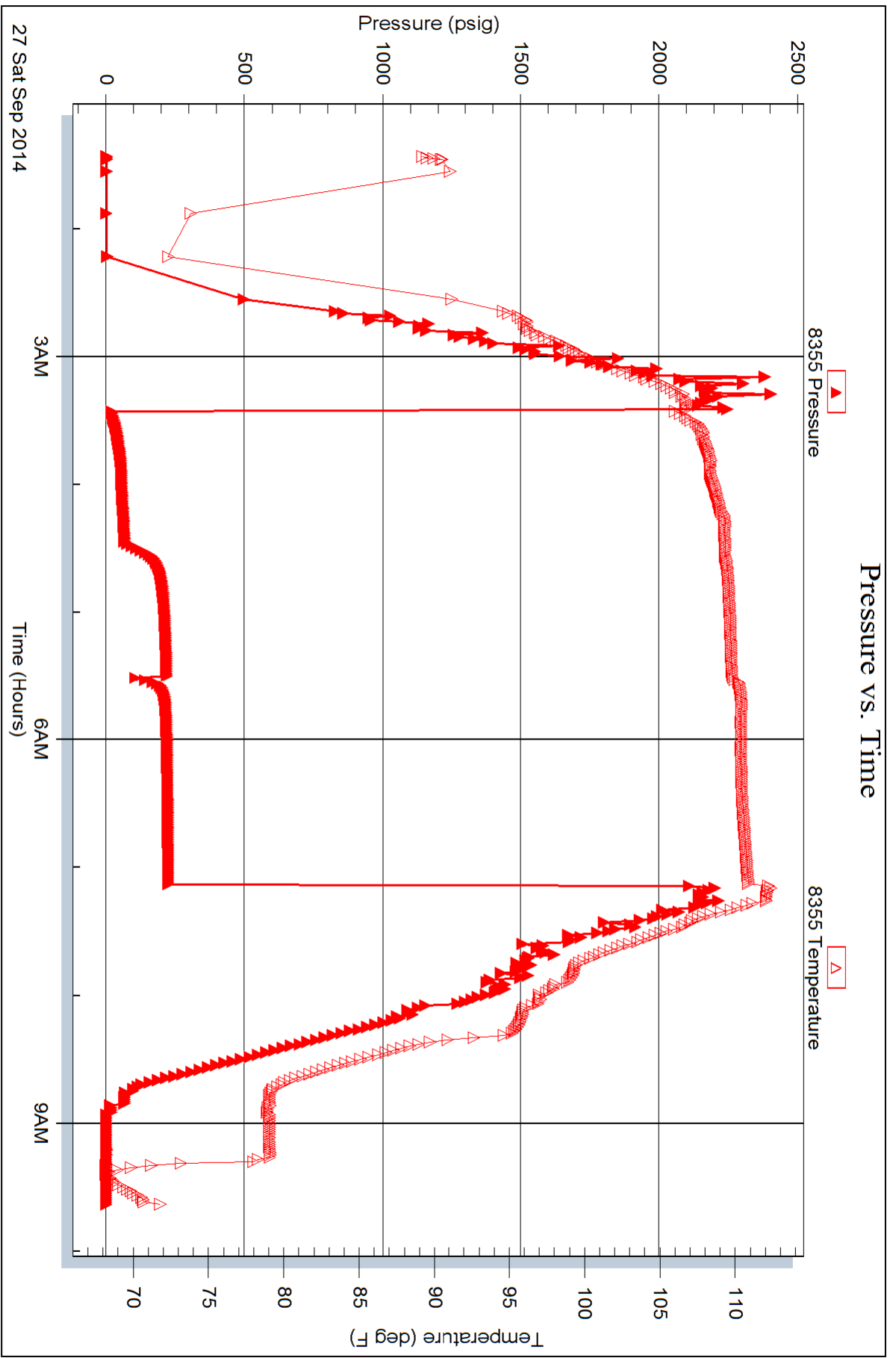
Printed: 2014.09.27 @ 11:06:09

Serial #: 8355

Outside Shakespeare Oil Co. Inc

Nightengale #1-28

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57734

Printed: 2014.09.27 @ 11:06:10



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc  
 202 Main St.  
 Salem IL 62881  
 ATTN: Tim Priest

**28-16s-34w Scott Co. KS**  
**Nightengale #1-28**  
 Job Ticket: 57735 **DST#: 3**  
 Test Start: 2014.09.27 @ 20:20:00

## GENERAL INFORMATION:

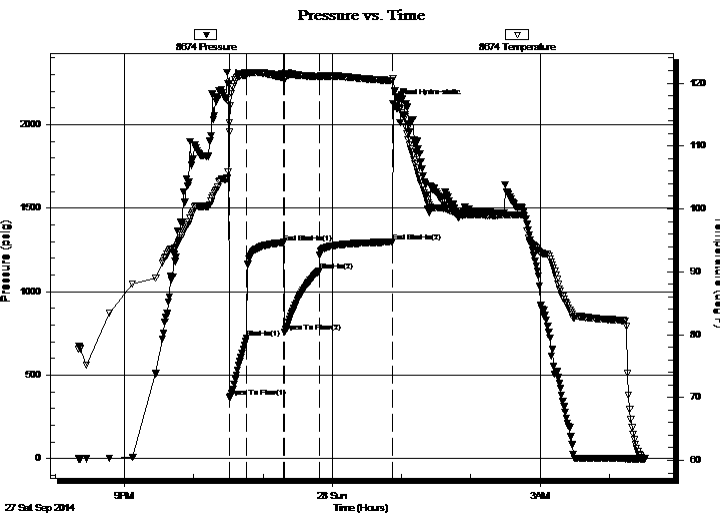
Formation: **Marmanton " C "**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 22:30:55 Tester: Will MacLean  
 Time Test Ended: 04:31:24 Unit No: 71  
 Interval: **4516.00 ft (KB) To 4540.00 ft (KB) (TVD)** Reference Elevations: 3146.00 ft (KB)  
 Total Depth: 4540.00 ft (KB) (TVD) 3139.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

## Serial #: 8674

Inside

Press @ Run Depth: 1124.21 psig @ 4517.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.09.27 End Date: 2014.09.28 Last Calib.: 2014.09.28  
 Start Time: 20:20:00 End Time: 04:31:24 Time On Btm: 2014.09.27 @ 22:29:40  
 Time Off Btm: 2014.09.28 @ 00:52:39

**TEST COMMENT:** IF- Strong Surface Blow Built to BOB in 40sec  
 IS- Surface Blow Built to BOB in 4 3/4min  
 FF- Strong Surface Blow Built to BOB in 32sec Gas to Surface in 20min  
 FS- Weak Surface Blow Built to BOB in 20min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2247.68	105.93	Initial Hydro-static
2	366.28	113.71	Open To Flow (1)
16	722.23	121.26	Shut-In(1)
48	1294.40	120.88	End Shut-In(1)
49	757.47	120.49	Open To Flow (2)
79	1124.21	121.05	Shut-In(2)
143	1297.45	120.41	End Shut-In(2)
143	2127.59	120.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	GOCM 8%g 31%oil 61%m	1.48
0.00	20min sample MCGO 8%m 65%oil 27%	0.00
0.00	15min sample 14%g 86%oil	0.00
3100.00	5 & 10min sample GO 23%g 77%oil	43.48
233.00	GO 12%g 88%oil	3.27
0.00	1069' of GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**28-16s-34w Scott Co. KS**

202 Main St.  
Salem IL 62881

**Nightengale #1-28**

Job Ticket: 57735

**DST#: 3**

ATTN: Tim Priest

Test Start: 2014.09.27 @ 20:20:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.92 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	GOCM 8%g 31%oil 61%m	1.480
0.00	20min sample MCGO 8%m 65%oil 27%g	0.000
0.00	15min sample 14%g 86%oil	0.000
3100.00	5 & 10min sample GO 23%g 77%oil	43.485
233.00	GO 12%g 88%oil	3.268
0.00	1069' of GIP	0.000

Total Length: 3519.00 ft Total Volume: 48.233 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 37 @ 60f = 37

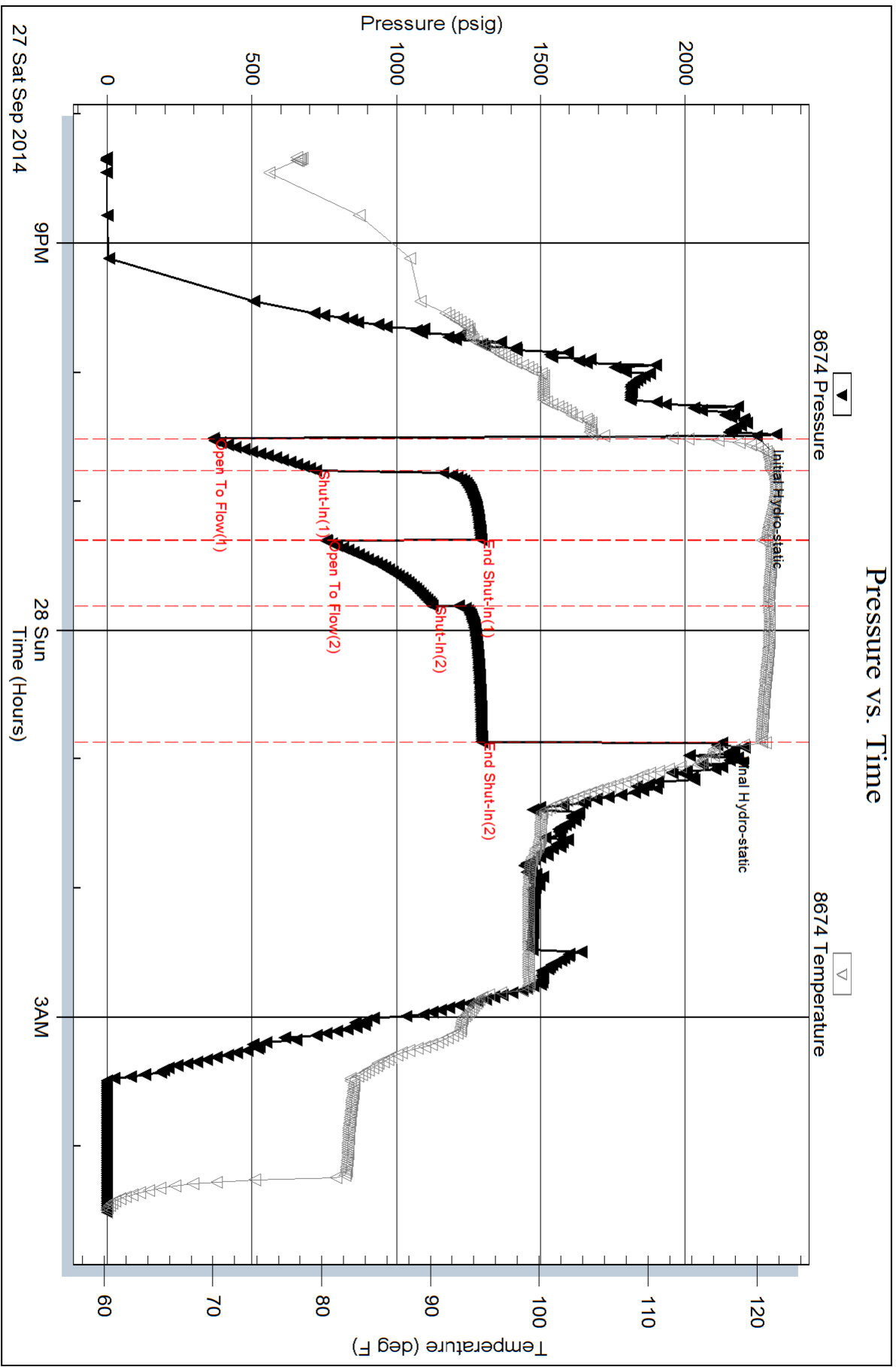
Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Nightengale #1-28

DST Test Number: 3



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

COMPANY **SHAKESPEAR OIL CO.**  
 LEASE **Nhengelegain L-28**  
 FIELD **Pence West**  
 LOCATION **1710' FNL, 2298' FEL**  
 SEC **28** TWPSP **16S** RPE **34W**  
 COUNTY **Scott** STATE **Kansas**

CONTRACTOR **HD Rig #2**  
 SPUD **9-20-14** COMP **9-29-14**  
 RTD **4890'** LTD **,**  
 MUD UP **3600'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3800'** to RTD  
 DRILLING TIME KEPT FROM **3800'** to RTD  
 SAMPLES EXAMINED FROM **3800'** to RTD  
 GEOLOGICAL SUPERVISION FROM **3900'** to RTD  
 GEOLOGIST ON WELL **Tim Priest**

FORMATION TOPS **ELECTRIC LOG**  
 Anhydrite **2459 (+689)**  
 Heebner Shale **4005 (-857)**  
 SARC **4330 (-1182)**  
 B/K.C. **4425 (-1277)**  
 Fort Scott **4607 (-1459)**  
 Cherokee Shale **4636 (-1488)**  
 Mississippian **4812 (-1664)**

ELEVATIONS  
 KG 3148'  
 DF \_\_\_\_\_  
 GL 3138'  
 Measurements Are All From **KB**

CASING  
 CONDUCTION **N/A**  
 SURFACE **8-5/8" @ 265'**  
 PRODUCTION **5-1/2" @ 4890'**

ELECTRICAL SURVEYS  
 CND/D/SP/P/E  
 Micro Sonic  
 By: Weatherford



REMARKS Due to the results of DST's, it was decided to set production casing to further test the well.

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-171-21092-00-00

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_