



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1202464  
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: \_\_\_\_\_

1202464

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
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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> _____
---	--

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> _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 4-36
Doc ID	1202464

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 4-36
Doc ID	1202464

Tops

Name	Top	Datum
Base Anhydrite	2452	+657
Heebner	3985	-876
Lansing	4028	-919
Muncie Creek	4210	-1101
Stark Shale	4309	-1200
Hushpuckney	4353	-1244
Pawnee	4536	-1427
L. Cherokee Shale	4615	-1506
Johnson	4658	-1549
Mississippian	4784	-1675





PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 142055  
Invoice Date: Mar 19, 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	62710	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Mar 19, 2014	4/18/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #4-36		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
507.00	CEMENT MATERIALS	Chloride	0.80	405.60
193.98	CEMENT SERVICE	Cubic Feet Charge	2.48	481.07
398.70	CEMENT SERVICE	Ton Mileage Charge	2.60	1,036.62
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
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	Charles Kinyon		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	EQUIPMENT OPERATOR	Ben Newell		

INT

RECEIVED  
 MAR 31 2014  
 RECEIVED

10502-05  
KWJ

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

\$ 1,890.78

ONLY IF PAID ON OR BEFORE  
Apr 13, 2014

Subtotal	7,272.24
Sales Tax	301.37
Total Invoice Amount	7,573.61
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,573.61</b>

DW

# ALLIED OIL & GAS SERVICES, LLC 062710

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: great Bend

DATE <u>3-19-14</u>	SEC. <u>36</u>	TWP. <u>16</u>	RANGE <u>34</u>	CALLED OUT <u>6:30 PM</u>	ON LOCATION <u>10:30 pm</u>	JOB START <u>1:30 am</u>	JOB FINISH <u>2:15 am</u>
LEASE <u>Jansen</u>	WELL # <u>4-36</u>		LOCATION <u>Healy west to 83 &amp; 4 jet</u>		COUNTY <u>Scott</u>	STATE <u>K2</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>6 W to Paken Rd NW 1/4 N Clinton</u>				

CONTRACTOR sootherind 70  
 TYPE OF JOB surface  
 HOLE SIZE 12 1/4 T.D. 268  
 CASING SIZE 8 5/8 24# DEPTH 265  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT H2O 15.96 BBI

OWNER Name  
 CEMENT AMOUNT ORDERED 180 M class A 3% CC 2% gel  
 COMMON 180 @ 17.90 3,222.00  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 GEL 3 @ 23.40 70.20  
 CHLORIDE 507 @ .80 405.60  
 ASC \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 HANDLING 193.98 @ 2.48 481.07  
 MILEAGE 8.86 X 45 X @ 2.60 1,036.62  
 TOTAL 5,215.49

**REMARKS:**

Rig Ran 265' 8 5/8 cas held night meeting Broke circulation 2 1/2 hrs mud hook to sledge 5 BBI H2O ahead Miles 180 M class A 3% CC 2% gel displace 15.96 BBI H2O shut in cement did circulate

**SERVICE**

DEPTH OF JOB 265  
 PUMP TRUCK CHARGE 1512.35  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE Hum 45 @ 7.70 346.50  
 MANIFOLD @ \_\_\_\_\_  
Hum 45 @ 4.40 198.00  
 @ \_\_\_\_\_

TOTAL 2,056.75

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

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

*Thank you!*  
 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 X Sam Steggs Jr  
 SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 7,272.34  
1,890.28  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS  
5,381.46





# INVOICE

PO Box 93999  
Southlake, TX 76092

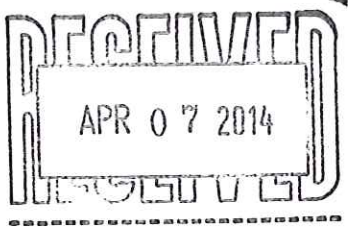
Invoice Number: 142216  
Invoice Date: Mar 28, 2014  
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Shak	61330	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 28, 2014	4/27/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #4-36		
3.00	CEMENT MATERIALS	Gel	23.40	70.20
140.00	CEMENT MATERIALS	ASC	20.90	2,926.00
15.00	CEMENT MATERIALS	Salt	26.35	395.25
700.00	CEMENT MATERIALS	Gilsonite	0.98	686.00
98.00	CEMENT MATERIALS	CD-31	10.30	1,009.40
12.00	CEMENT MATERIALS	WFR-II	58.70	704.40
181.53	CEMENT SERVICE	Cubic Feet Charge	2.48	450.19
354.15	CEMENT SERVICE	Ton Mileage Charge	2.60	920.79
1.00	CEMENT SERVICE	Long String ✓	2,765.75	2,765.75
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Rotating Head Rental	475.00	475.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		



10502-5  
KwJ

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

\$ 2,846.42

ONLY IF PAID ON OR BEFORE  
Apr 22, 2014

Subtotal	10,947.48
Sales Tax	471.99
Total Invoice Amount	11,419.47
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,419.47</b>

DW



# ALLIED OIL & GAS SERVICES, LLC 061330

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley

DATE <u>3-28-14</u>	SEC <u>36</u>	TWP <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00pm</u>	JOB FINISH <u>6:00pm</u>
LEASE <u>Tanzen</u>	WELL# <u>4-36</u>	LOCATION <u>Rance E to Faleon 3 S</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1/4 N Ninto</u>				

CONTRACTOR <u>Southwind 70</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production (long string)</u>	
HOLE SIZE <u>2 7/8</u>	T.D. <u>4850</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4849.57</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>Port Collar</u>	DEPTH <u>2411.85</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.52</u>
CEMENT LBFT IN CSG. <u>42.52</u>	
PERFS.	
DISPLACEMENT <u>114.37 bbl water</u>	
EQUIPMENT	

PUMP TRUCK # <u>423/281</u>	CEMENTER <u>Paul Brauer</u>
BULK TRUCK # <u>386/510</u>	HELPER <u>Tyler Flipse</u>
BULK TRUCK #	DRIVER <u>Alex (TWS)</u>
BULK TRUCK #	DRIVER

CEMENT AMOUNT ORDERED <u>140 sks ASC</u>	
<u>10% salt sand Gilsomite 2% g.c.l</u>	
<u>.75 of 1% CD-31</u>	
COMMON	@
POZMIX	@
GEL <u>3 sks</u>	@ <u>23.40</u> <u>70.20</u>
CHLORIDE	@
ASC <u>140 sks</u>	@ <u>20.90</u> <u>2926.00</u>
Salt <u>15 sks</u>	@ <u>26.35</u> <u>395.25</u>
Gilsomite <u>700#</u>	@ <u>.98</u> <u>686.00</u>
CD-31 <u>98#</u>	@ <u>10.30</u> <u>1009.40</u>
WFR-IL <u>12bbl</u>	@ <u>58.70</u> <u>704.40</u>
HANDLING <u>181.53 ft<sup>2</sup></u>	@ <u>2.48</u> <u>450.19</u>
MILBAGE <u>7.87 hrs x 45mi x 2.60</u>	<u>920.79</u>
TOTAL <u>7162.23</u>	

REMARKS:  
Break circ. Drop ball, Ball 400 #  
circ 1 hr mix 12 bbl WFR-IL, mix  
30 sks in R.H. mix 110 sks ASC  
wash up into pit, release plug, Displace  
w/ water, plug did land @ 1200'  
lift pressure 700' as float did  
hold  
That you!  
Tasl + Tyler

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

SERVICE	
DEPTH OF JOB	<u>4850'</u>
PUMP TRUCK CHARGE	<u>2765.70</u>
EXTRA FOOTAGE	@
MILBAGE <u>MIAV 45</u>	@ <u>7.70</u> <u>346.80</u>
MANIFOLD <u>Rot. Head</u>	@ <u>475.00</u>
<u>MILV 45</u>	@ <u>4.40</u> <u>198.00</u>
TOTAL <u>3785.55</u>	

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 Day Roberts  
 SIGNATURE Day Roberts

SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES 10,947.78  
 DISCOUNT 2,846.42 IF PAID IN 30 DAYS  
8,101.35 Net.



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 142366  
Invoice Date: Apr 2, 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	62026	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Apr 2, 2014	5/2/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Jantzen #4-36		
292.00	CEMENT MATERIALS	Class A Common	17.90	5,226.80
158.00	CEMENT MATERIALS	Pozmix	9.35	1,477.30
31.00	CEMENT MATERIALS	Gel	23.40	725.40
112.00	CEMENT MATERIALS	Flo Seal	2.97	332.64
21.00	CEMENT MATERIALS	Cottonseed Hulls	35.00	735.00
509.67	CEMENT SERVICE	Cubic Feet Charge	2.48	1,263.98
978.75	CEMENT SERVICE	Ton Mileage Charge	2.60	2,544.75
1.00	CEMENT SERVICE	Port Collar ✓	2,483.59	2,483.59
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Kelly Gabel		
1.00	EQUIPMENT OPERATOR	Wayne Mc Ghghy		
1.00	OPERATOR ASSISTANT	Adam Flipse		

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

\$ 3,848.69

ONLY IF PAID ON OR BEFORE  
Apr 27, 2014

Subtotal	15,394.46
Sales Tax	692.52
Total Invoice Amount	16,086.98
Payment/Credit Applied	
<b>TOTAL</b>	<b>16,086.98</b>

DW

# ALLIED OIL & GAS SERVICES, LLC 062026

Federal Tax I.D. # 20-8651476

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

SERVICE POINT:  
Oakley, KS

DATE <u>4-2-14</u>	SEC. <u>36</u>	TWP. <u>16</u>	RANGE <u>321</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30 PM</u>	JOB FINISH <u>1:00 PM</u>
LEASE # <u>14120</u>		WELL # <u>41-36</u>	LOCATION <u>Pense E totalcon Rd s to</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)			<u>Rd 260 1/4 W N into</u>				

CONTRACTOR <u>Cheyenne Well serv.</u>	OWNER <u>SOME</u>
TYPE OF JOB <u>Port collar</u>	
HOLE SIZE _____ T.D. _____	CEMENT _____
CASING SIZE <u>5 1/2</u> DEPTH _____	AMOUNT ORDERED <u>525 SKS 65/35 Poz</u>
TUBING SIZE <u>2 3/8</u> DEPTH _____	<u>1/4" Flaseal</u>
DRILL PIPE _____ DEPTH _____	
TOOL <u>Port collar</u> DEPTH <u>2412</u>	
PRES. MAX _____ MINIMUM _____	COMMON <u>292</u> @ <u>17.90</u> = <u>5226.80</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX <u>1545</u> @ <u>9.35</u> = <u>1477.30</u>
CEMENT LEFT IN CSG. _____	GEL <u>31</u> @ <u>23.40</u> = <u>725.40</u>
PERFS. _____	CHLORIDE _____ @ _____
DISPLACEMENT <u>8 bbl</u>	ASC _____ @ _____

**EQUIPMENT**

PUMP TRUCK CEMENTER <u>Kelly &amp; Gabel</u>
# <u>422</u> HELPER <u>Wayne McHugh</u>
BULK TRUCK
# <u>818+287</u> DRIVER <u>Adam Blipse</u>
BULK TRUCK
# _____ DRIVER _____

FLANSEAL <u>112. #</u> @ <u>2.97</u> = <u>332.64</u>
Cottonseed Hulls <u>2</u> @ <u>35.00</u> = <u>75.00</u>
HANDLING <u>589.67 Cuft</u> @ <u>2.40</u> = <u>1263.89</u>
MILEAGE <u>19.57 tan X 50 X 2.50</u> = <u>2544.75</u>
<b>TOTAL</b> <u>12,305.87</u>

**REMARKS:**  
Dugged up, pressured tool to  
1200' checked for flow.  
mixed 450 SKS 65/35 Poz 1/4" Flaseal.  
displaced with 8 bbl water, shot  
tool, ran 4 1/2" tubing, reversed out  
Job done.  
Cement did circulate Thanks/04  
Kelly & Gabel

**SERVICE**

DEPTH OF JOB _____	<u>2412</u>
PUMP TRUCK CHARGE _____	<u>2483.59</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>M:HV 50</u> @ <u>7.30</u> = <u>385.00</u>	
MANIFOLD _____ @ _____	
<u>M:LV 50</u> @ <u>4.40</u> = <u>220.00</u>	
<b>TOTAL</b> <u>3089.89</u>	

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

**PLUG & FLOAT EQUIPMENT**

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
<b>TOTAL</b> _____

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 John Danner

SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES 15,394.76  
 DISCOUNT 3,848.69 (25%) IF PAID IN 30 DAYS  
11,546.07 Net

# GEOLOGIST'S REPORT

## WellSight Systems

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: JANZEN #4-36  
API: 15-171-21036-00-00  
Location: 950 FSL & 1150 FEL OF SECTION 36 T16S R34W  
License Number: KCC #7311  
Spud Date: 3/18/2014  
Surface Coordinates: 950 FSL & 1150 FEL OF SECTION

Region: SCOTT COUNTY  
Drilling Completed:

Bottom Hole VERTICAL TEST  
Coordinates:  
Ground Elevation (ft): 3097  
Logged Interval (ft): 3700 To: TD  
Formation: MISSISSIPPIAN  
Type of Drilling Fluid: GEL

K.B. Elevation (ft): 3109  
Total Depth (ft):

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR

Company: SHAKESPEARE OIL COMPANY, INC.  
Address: 202 WEST MAIN STREET  
SALEM, IL  
62881

### GEOLOGIST


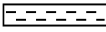

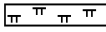
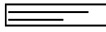
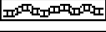




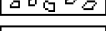


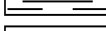

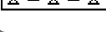
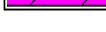

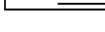
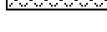
Name: MARK W. HERNDON  
Company: TRC  
Address: P.O. BOX 5958  
NORMAN, OK  
73070

### Cores

### DSTs

### Comments

### ROCK TYPES

	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

### ACCESSORIES

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

#### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

#### STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Sltstrg
- Ssstrg

#### TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

### OTHER SYMBOLS

#### POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint

- Vuggy

#### SORTING

- Well
- Moderate
- Poor

#### ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

- Spotted
- Ques
- Dead

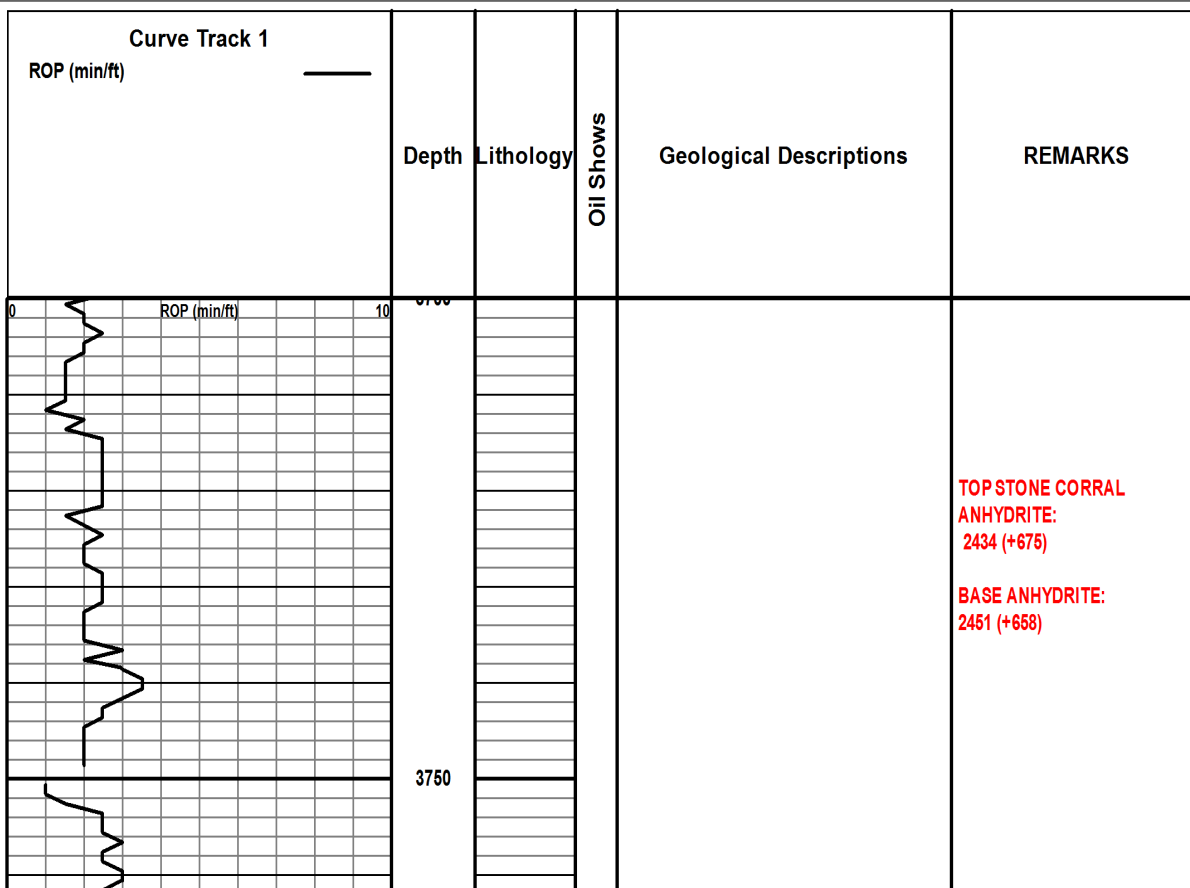
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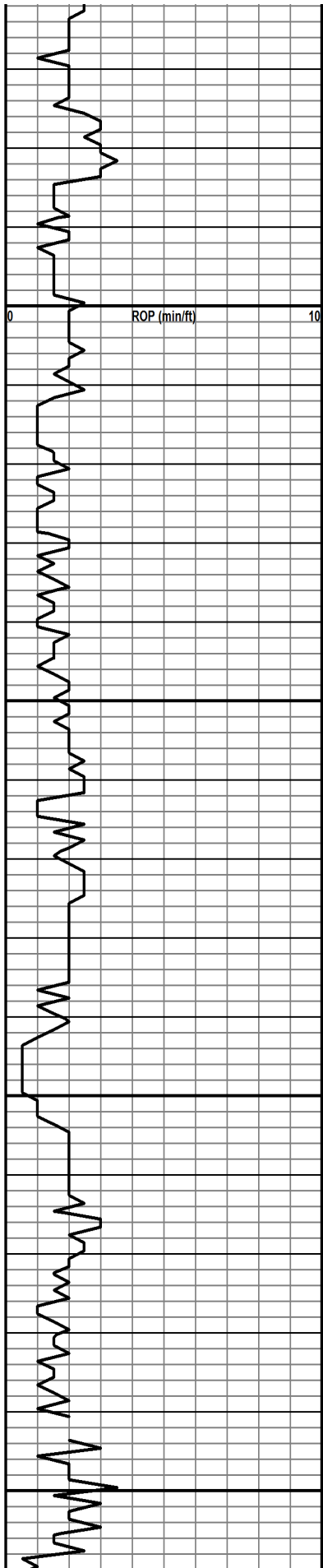
- Core
- Dst

#### EVENT

- Rft
- Sidewall

- OIL SHOW
- Even





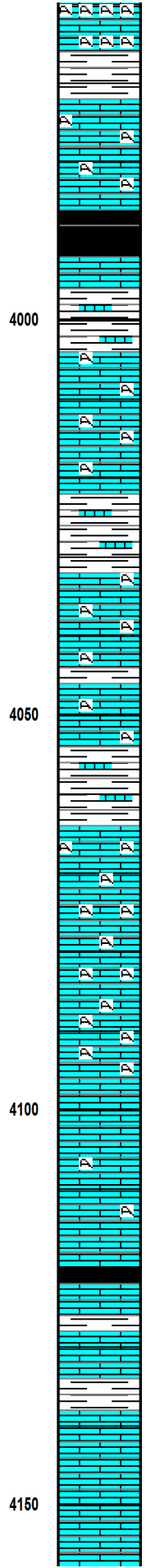
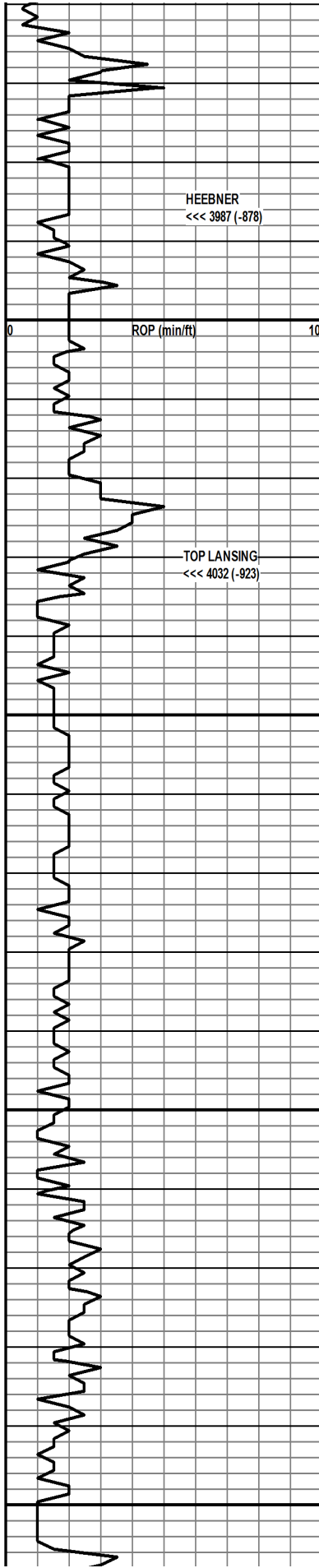
3800

3850

3900

3950





LS: CRMY TO LT GRY, FOS, FR FOS MOLDIC POR, NS

LS: CRMY TO LT GRY, DNSE, FOS, NVP, NS

SHALE: BLACK, CARB

LS & SH: LS CRMY TO LT GRY, DNSE, NVP, NS. SH IS GRY, FISSILE

LS: CRMY TO LT GRY, MED XTLN, FOS (CORAL & BRYOZONS), WL CMNTD, NVP, NS

LS: CRMY TO LT GRY, MED XTLN, FOS (CORAL & BRYOZOANS, WL CMNTD, NVP, NS

SHALE: GRY

LS: CRMY TO LT GRY, XTLN, OCC FOS, WL CMNTD, OCC POOR PP VUGGY POR, VRY RARE SPTD BLK O STN. NO FLOUR.

LS: CRMY TO LT GRY, MED XTLN, OCC FOS (CORAL), WL CMNTD, VRY RARE PP VGY POR, SLI SHO BLK O STN, NO FLOUR

SHALE: DRK GRY FISSILE WLS: CRMY TO LT GRY, DNSE, NVP, NS

LS: CHLKY WH TO LT TAN, FOS, WL CMNTD, NVP, NS

LS: CHLKY TO GRY, FOS, OCC OOID, WL CMNTD, NVP, NS

LS: CHLKY TO GRY, FOS, WL CMNTD, NVP, NS

LS: CHLKY TO GRY, OCC FOS, OCC DK GRY OOID, WL CMNTD, NVP, NS

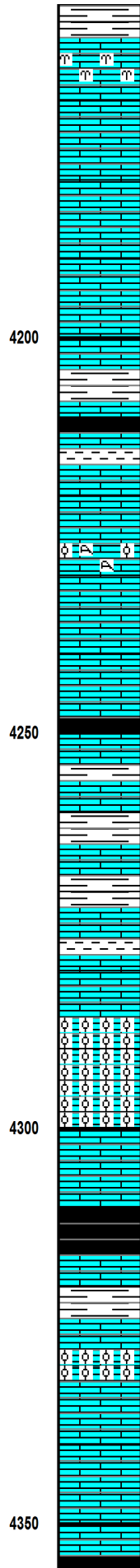
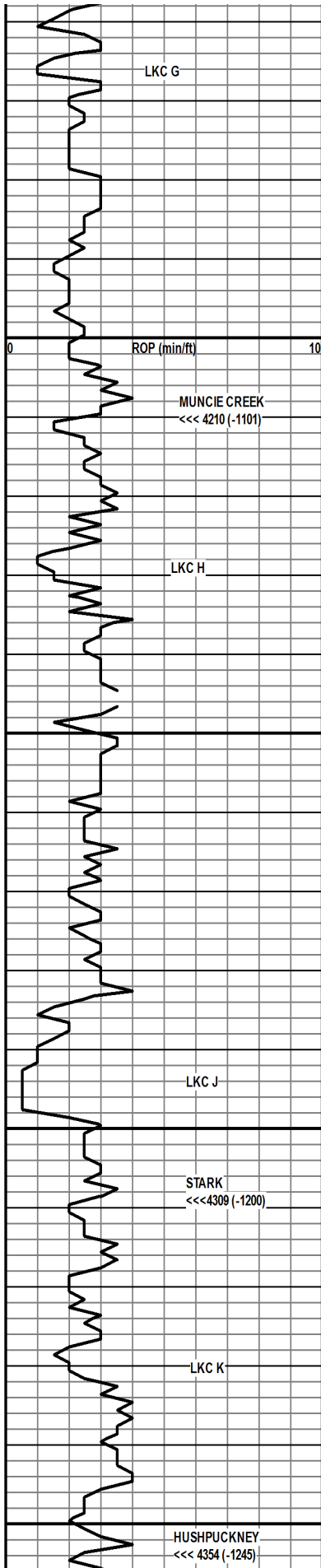
LS: CHLKY TO LT GRY, OCC FOS, WL CMNTD, NVP, NS

LS: WH TO LT GRY, XTLN, COUPLE PIECES W VERY FINE SPONGY MOLDIC POR, SPTY DK BRN OIL STN

SHALE: GRY, FISSILE

LS: LT TAN TO GRY, MED XTLN, WL CMNTD, NVP, OCC SLI SHO BLK OIL, WK YLW FLOUR, NO CUT





LS: MSTLY CHLKY TO LT GRY, DNSE, NVP, NS. COUPLE PIECES WITH VRY FN SPONGY FOS MOLDIC POROSITY (BRYOZOANS), YLW FLOUR, STRMNG CUT.

LS: CHLKY TO LT GRY, DNSE, NVP, NS

LS: CHLKY TO LT GRY, DNSE, NVP, NS

LS: CHLKY TO LT GRY, DNSE, NVP, NS

SHALE: GRY, FISSILE

SHALE: BLACK, CARB

LS: CRMY TO LT TAN, DNSE, NVP, NS

LS: CRMY TO DRK GRY, XTLN, MED FOS FRAG & OOL, 2 PCS W VRY POOR PP VGY POR, SPTY BLACK OS

LS: LT TAN TO GRY, DNSE, NVP, NS

SHALE: BLACK, CARB

LS: WH TO LT GRY, FN XTLN, DNSE, SL FOS, NVP, NS

SHALE: GRY, FISSILE

LS: CHLKY TO LT GRY, DNSE, NVP, NS

LS: LT TAN TO GRY, DNSE, NVP, NS

LS: WH TO LT GRY, MSTLY DNSE, NUM PCS W EXC OOLICASTIC POR, VUGS LINED WITH SPARRY SUGARY CALCITE, NS. NO VIS PERM

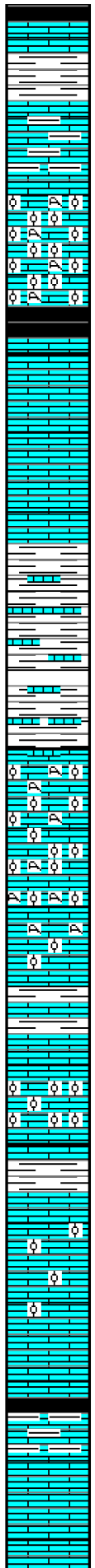
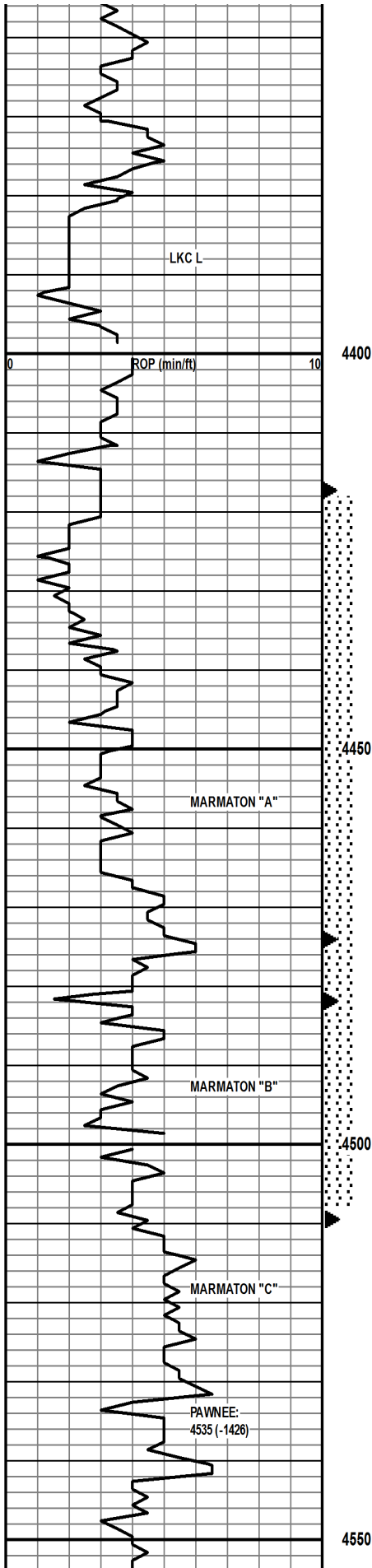
LS: LT TAN TO GRY, DNSE, NVP, NS

SHALE: BLACK, CARB

LS: LT TAN TO LT GRY, MSTLY DNSE W NVP. OCC PCS WH, XTLN, EXC OOLICASTIC POR. NS

LS: LT TAN TO GRY, DNSE, NO FOS, NVP, NS

LS: LT TAN TO GRY, DNSE, NO FOS, NVP, NS



SHALE: BLACK, CARB

SHALE: LT TO DRK GRY, FISSILE, WFR AMNT TITE LT TAN LS. NVP, NS.

LS: LT TAN TO GRY, DNSE, NVP, NS

LS: WH TO LT GRY, OOL, FOS, MSTLY WL CMNTD GRNSTN WOCC EXC OOLICASTIC POR. NS

SHALE: BLACK, CARB

LS: CRMY TO GRY, DNSE, NVP, NS

LS: CRMY TO GRY, DNSE, NVP, NS

LS: CRMY TO GRY, DNSE, NVP, NS

SHALE: DRK GRY WFRAMNT LT TAN TITE DNSE LS. NVP, NS.

SHALE: DRK GRY WFRAMNT LT TAN TITE DNSE LS. NVP, NS.

LS: LT TAN TO GRY, MSTLY WL CMNTD OOL AND FOS FRAGS, OCC OOLICASTIC, FEW PCS WFR VGY COARSE XTLN POR AND GOOD EVEN LT BRN O STN. BRT YLW FLOUR, INST STRMNG CUT

LS: LT TAN TO GRY, OOL, FOS, MSTLY TITE WL CMNTD MATRIX. OCC PC WFR VGY & INTXLN POR AND NICE LT BRN LOS. BRT YLW FLOUR, INST STRM CUT

LS: AAB. NO VIS POR, NS

SHALE AND LS: DRK GRY FISSILE SH WLT TAN DNSE LS. NVP, NS

LS: MSTLY LT TAN, DNSE, NVP. FEW PCS WFR COARSE OOL & INTXLN POR, SPARRY CALCITE, LT BRN O STN, DULL YLW FLOUR, INST STRMNG CUT.

LS: LT TAN, DNSE, NVP, NS

LS: LT TAN, MSTLY DNSE, OCC FN GRN DK GRY OIDS IN WL CMNTD MTRX, NVP, NS

LS: LT TAN TO GRY, DNSE, NVP, NS

SHALE: BLACK, CARB

LS: LT TAN, DNSE, NVP, NS, WFRAMNT DRK GRY FISSILE SHALE

LS: WH TO LT TAN, DNSE, NVP, NS

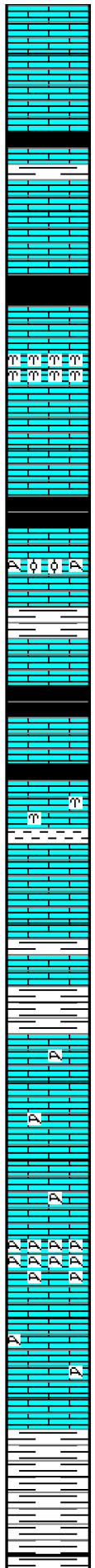
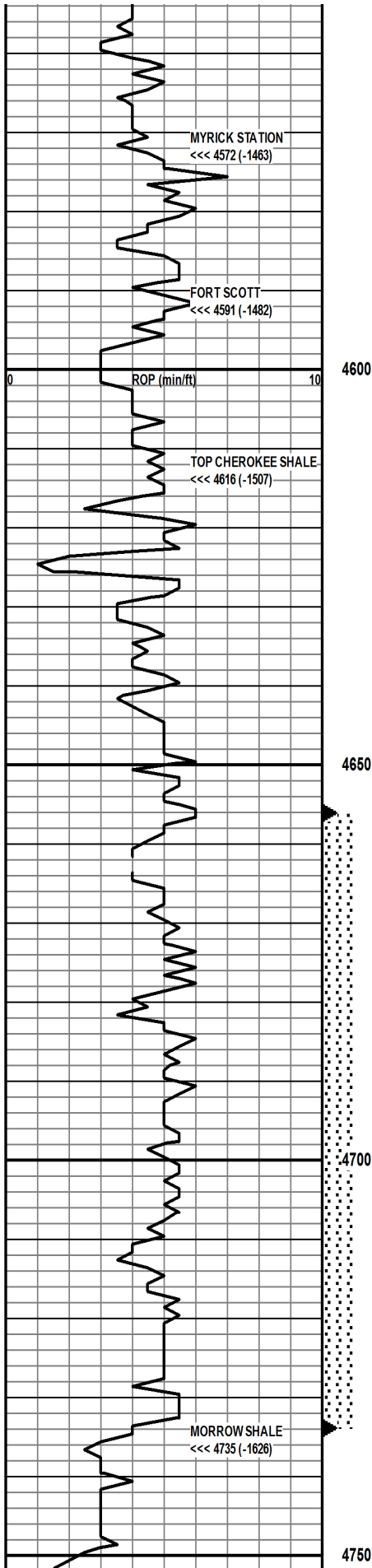
**DST #1 MARMATON "A"**  
 4417 TO 4482  
 30-30-45-90  
 IF: BOB IN 28 MIN, NO RETURN  
 FF: BOB IN 27 MIN, RETURN:  
 1/2" IN 8 MIN DIED IN 30 MIN  
 RECOVERY: 330 FT GIP  
 45 FT CGO GRAV 34  
 45 FT SGO CM  
 HP: 2252-2206  
 IF: 19-37 FF: 35-58  
 SIP: 1174-1238

---

**DST #2 MARMATON "B"**  
 4474 TO 4510  
 30-30-45-90  
 IF: 7 IN BLOW IN 30 MIN  
 NO RETURN  
 FF: 10 IN BLOW IN 45 MIN  
 RETURN: WK SURF BLOW IN  
 8 MIN, DIED IN 53 MIN  
 RECOVERY: 140 FT GIP,  
 30 FT SGO,  
 10 FT SGMCO  
 HP: 2259-2190  
 IF: 17-16  
 FF: 21-24  
 SIP: 1044-1226

---

**SURVEY: 1 DEGREE  
 STRAP 2.3' LONG TO BOARD**



LS: WH TO LT TAN, DNSE, NVP, NS

LS: WH TO LT TAN, DNSE, NVP, NS

SHALE: BLACK, CARB

LS: WH TO LT TAN, DNSE, NVP, NS

SHALE: BLACK, CARB

LS: WH TO LT TAN, MSTLY DNSE, W NUM FOS (BRYOZOANS) IN WL CMNTD TITE MTRX, NVP, NS

LS: WH TO LT TAN, DNSE, NVP, NS

SHALE: BLACK, CARB

LS: WH TO GRY, FN XTLN, FOS, OCC OIDS, OCC VRY FN SPONGY MOLDIC POR, NS

LS: WH TO GRY, FN XTLN, OCC FOS, WL CMNTD, NVP, NS

SHALE: BLACK

LS: WH TO GRY, FOS, DNSE, NVP, NS

LS: WH TO GRY, DNSE, GD SHO DK BRN OIL, NO VISIBLE POROSITY

LS: WH TO GRY, DNSE, OCC DK GRY OOID, WL CMNTD, NVP, NS

SHALE: GRY, FISSILE

LS: WH TO GRY, OCC FOS, DNSE, NVP, NS

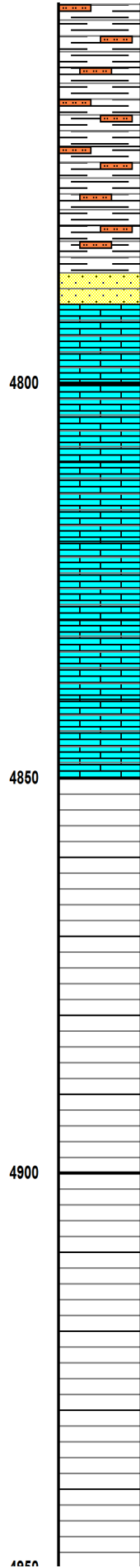
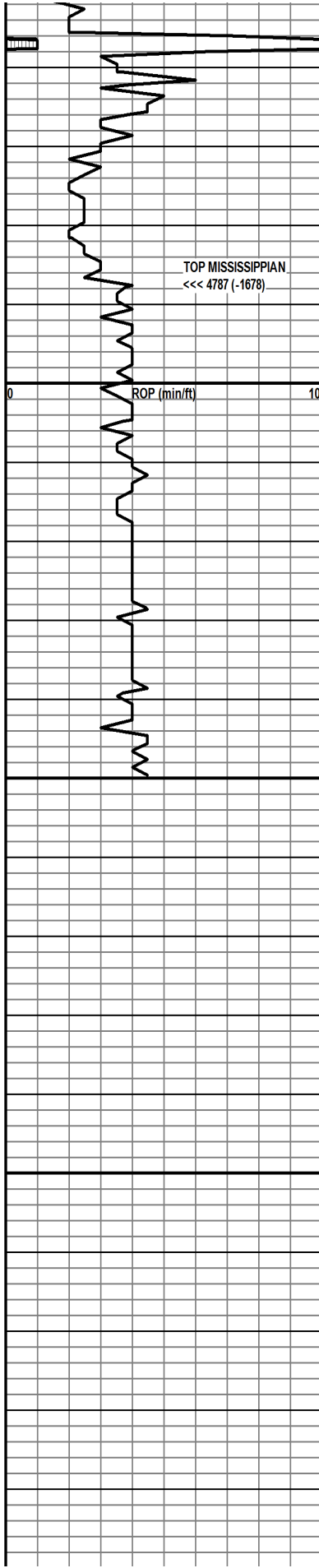
LS: WH TO GRY, OCC FOS, DNSE, NVP, NS

LS: WH TO GRY, MED XTLN, FOS (CORAL), OCC VGY POR WEXC SHO DK BRN LV OIL. DULL YLW FLOUR, INST STRM CUT,

LS: LT TAN TO GRY, MD XTLN, OCC FOS, DNSE, NVP, NS

SHALE: GREEN, MAROON, FISSILE

**DST #3 JOHNSON ZONE**  
**4656-4744**  
**30-30-30-30**  
**IF: SL BLW DIED**  
**FF: NO BLOW**  
**RECOVERY: 5 FT MUD**  
**HP: 2405-2338**  
**IF: 21-23**  
**FF: 37-82**  
**SIP: 114-82**



SHALE: GREEN, RED, BLACK, FISSILE

SHALE: VARI COLORED, OCC DK GRY SLTSTN.

SHALE: GREEN, RED, BLACK, FISSILE

SANDSTONE: WH, V FN GR, RNDED, WL SRTD, CALCITE CMNT, OCC GREEN GLAUC, NVP, NS

LS: LT TAN, MD XTLN, DNSE, NVP, NS

LS: LT TAN, MD XTLN, DNSE, NVP, NS

LS: LT TAN, MD XTLN, DNSE, NVP, NS

LS: LT TAN, MD XTLN, DNSE, NVP, NS

LS: LT TAN, MD XTLN, DNSE, NVP, NS

LS: LT TAN, MD XTLN, DNSE, NVP, NS

**BIT HUNG UP**

**RTD: 4860**





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil  
 202 West Main St.  
 Salem, IL  
 62881  
 ATTN: Mark Herndon

**36-16s-34w Scott, Ks**

**Janzen #4-36**

Job Ticket: 56299

**DST#: 1**

Test Start: 2014.03.24 @ 14:20:33

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 17:27:33

Time Test Ended: 23:40:03

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

**Interval: 4417.00 ft (KB) To 4482.00 ft (KB) (TVD)**

Reference Elevations: 3109.00 ft (KB)

Total Depth: 4482.00 ft (KB) (TVD)

3097.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6771**

**Inside**

Press @ Run Depth: 58.88 psig @ 4418.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.24

End Date:

2014.03.24

Last Calib.:

2014.03.24

Start Time: 14:20:33

End Time:

23:22:03

Time On Btm:

2014.03.24 @ 17:27:18

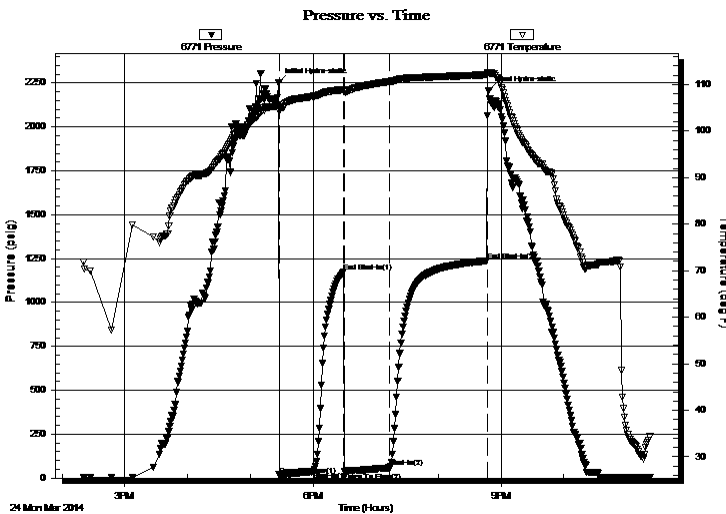
Time Off Btm:

2014.03.24 @ 20:48:03

## TEST COMMENT:

B.O.B. in 28 min  
 No return  
 B.O.B. in 27 min.  
 Surface return in 8 min. built to 1/2" in, died in 30 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.19	105.68	Initial Hydro-static
1	19.18	104.30	Open To Flow (1)
33	37.38	107.46	Shut-In(1)
62	1174.04	108.90	End Shut-In(1)
63	35.65	108.47	Open To Flow (2)
107	58.88	110.65	Shut-In(2)
200	1238.57	112.10	End Shut-In(2)
201	2206.82	112.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	c g o 3%g 97%o	0.63
45.00	s g o c m 5%g 20%o 75%m	0.63
0.00	330' gas in pipe	0.00

## Gas Rates

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



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil

**36-16s-34w Scott, Ks**

202 West Main St.  
Salem, IL  
62881

**Janzen #4-36**

Job Ticket: 56299

**DST#: 1**

ATTN: Mark Herndon

Test Start: 2014.03.24 @ 14:20:33

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 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: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
45.00	c g o 3%g 97%o	0.631
45.00	s g o c m 5%g 20%o 75%m	0.631
0.00	330' gas in pipe	0.000

Total Length: 90.00 ft      Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



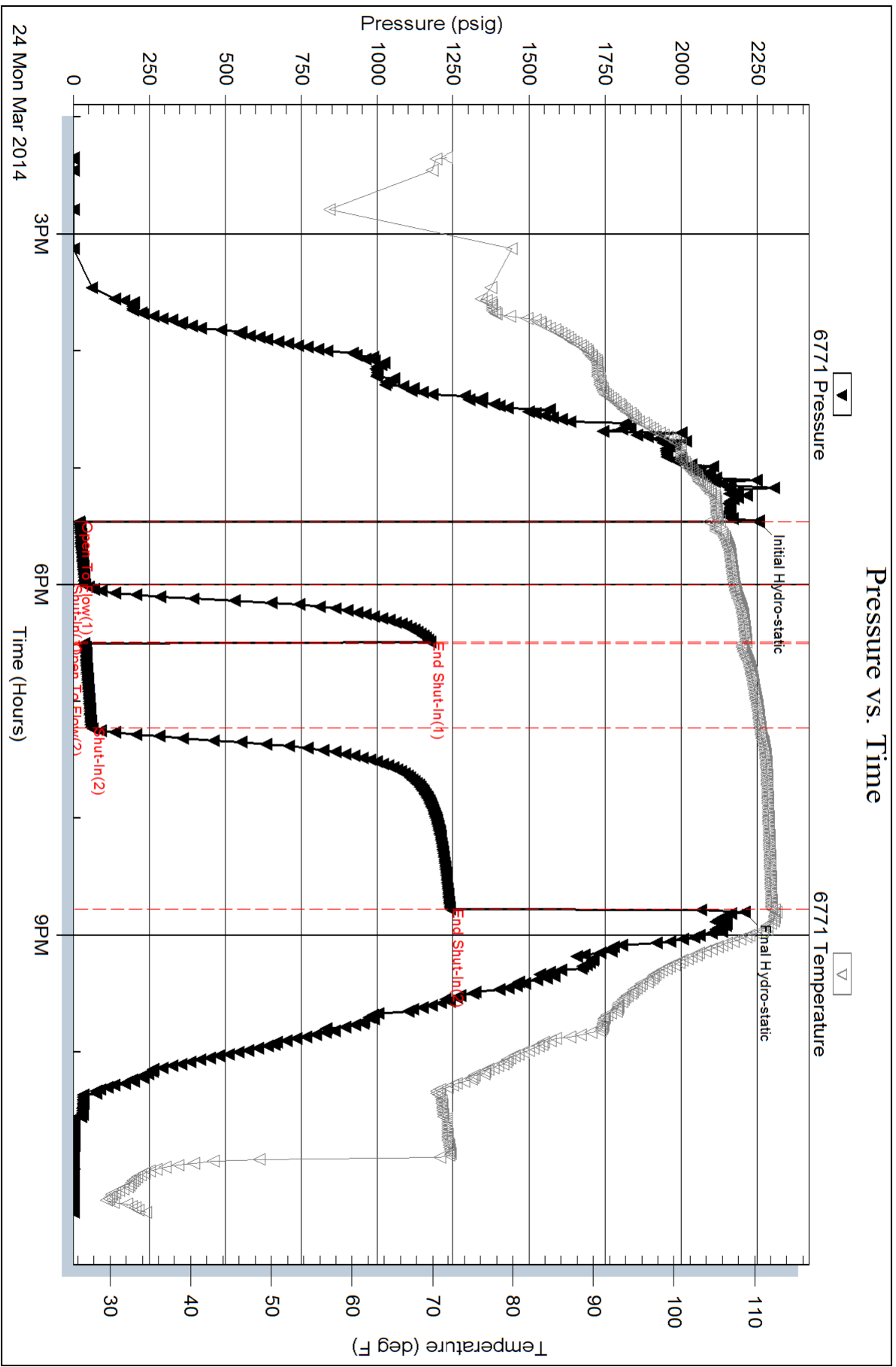
Serial #: 6771

Inside

Shakespeare Oil

Janzen #4-36

DST Test Number: 1





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil  
 202 West Main St.  
 Salem, IL  
 62881  
 ATTN: Mark Herndon

**36-16s-34w Scott, Ks**

**Janzen #4-36**

Job Ticket: 56300

**DST#: 2**

Test Start: 2014.03.25 @ 09:35:32

## GENERAL INFORMATION:

Formation: **Marmaton B**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 11:31:02

Time Test Ended: 17:20:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

**Interval: 4474.00 ft (KB) To 4510.00 ft (KB) (TVD)**

Reference Elevations: 3109.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

3097.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8844 Outside**

Press @ Run Depth: 24.64 psig @ 4475.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.25

End Date: 2014.03.25

Last Calib.: 2014.03.25

Start Time: 09:35:32

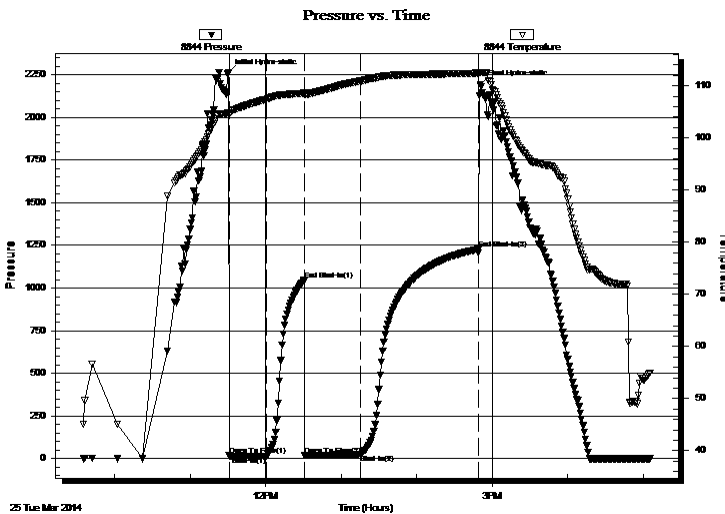
End Time: 17:05:32

Time On Btm: 2014.03.25 @ 11:30:32

Time Off Btm: 2014.03.25 @ 14:50:32

**TEST COMMENT:** 7" in blow  
 No return  
 10" in blow  
 Surface return in 9 min. built to 1/4" in died in 53 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2259.13	104.85	Initial Hydro-static
1	17.99	104.42	Open To Flow (1)
31	16.60	107.42	Shut-In(1)
60	1044.82	108.59	End Shut-In(1)
61	21.11	108.33	Open To Flow (2)
105	24.64	110.89	Shut-In(2)
199	1226.50	112.43	End Shut-In(2)
200	2190.82	112.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	c s g o 5%g 95%o	0.42
10.00	s g m c o 5%g30%m 65%o	0.14
0.00	140' gas in pipe	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil  
 202 West Main St.  
 Salem, IL  
 62881  
 ATTN: Mark Herndon

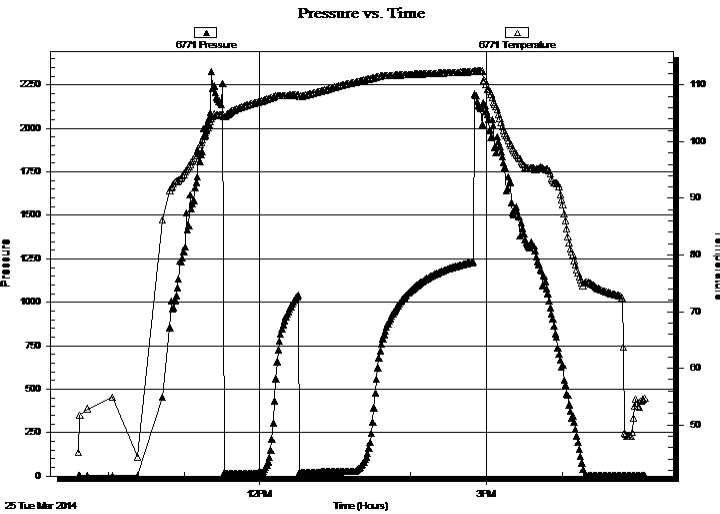
**36-16s-34w Scott, Ks**  
**Janzen #4-36**  
 Job Ticket: 56300 **DST#: 2**  
 Test Start: 2014.03.25 @ 09:35:32

## GENERAL INFORMATION:

Formation: **Marmaton B**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 11:31:02  
 Time Test Ended: 17:20:32  
 Interval: **4474.00 ft (KB) To 4510.00 ft (KB) (TVD)**  
 Total Depth: 4510.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3109.00 ft (KB)  
 3097.00 ft (CF)  
 KB to GR/CF: 12.00 ft

**Serial #: 6771 Inside**  
 Press @ Run Depth: psig @ 4475.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.03.25 End Date: 2014.03.25 Last Calib.: 2014.03.25  
 Start Time: 09:36:12 End Time: 17:06:27 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 7" in blow  
 No return  
 10" in blow  
 Surface return in 9 min. built to 1/4" in died in 53 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	c s g o 5%g 95%o	0.42
10.00	s g m c o 5%g30%m 65%o	0.14
0.00	140' gas in pipe	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

**36-16s-34w Scott, Ks**

202 West Main St.  
Salem, IL  
62881

**Janzen #4-36**

Job Ticket: 56300

**DST#: 2**

ATTN: Mark Herndon

Test Start: 2014.03.25 @ 09:35:32

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	c s g o 5%g 95%o	0.421
10.00	s g m c o 5%g30%m 65%o	0.140
0.00	140' gas in pipe	0.000

Total Length: 40.00 ft

Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

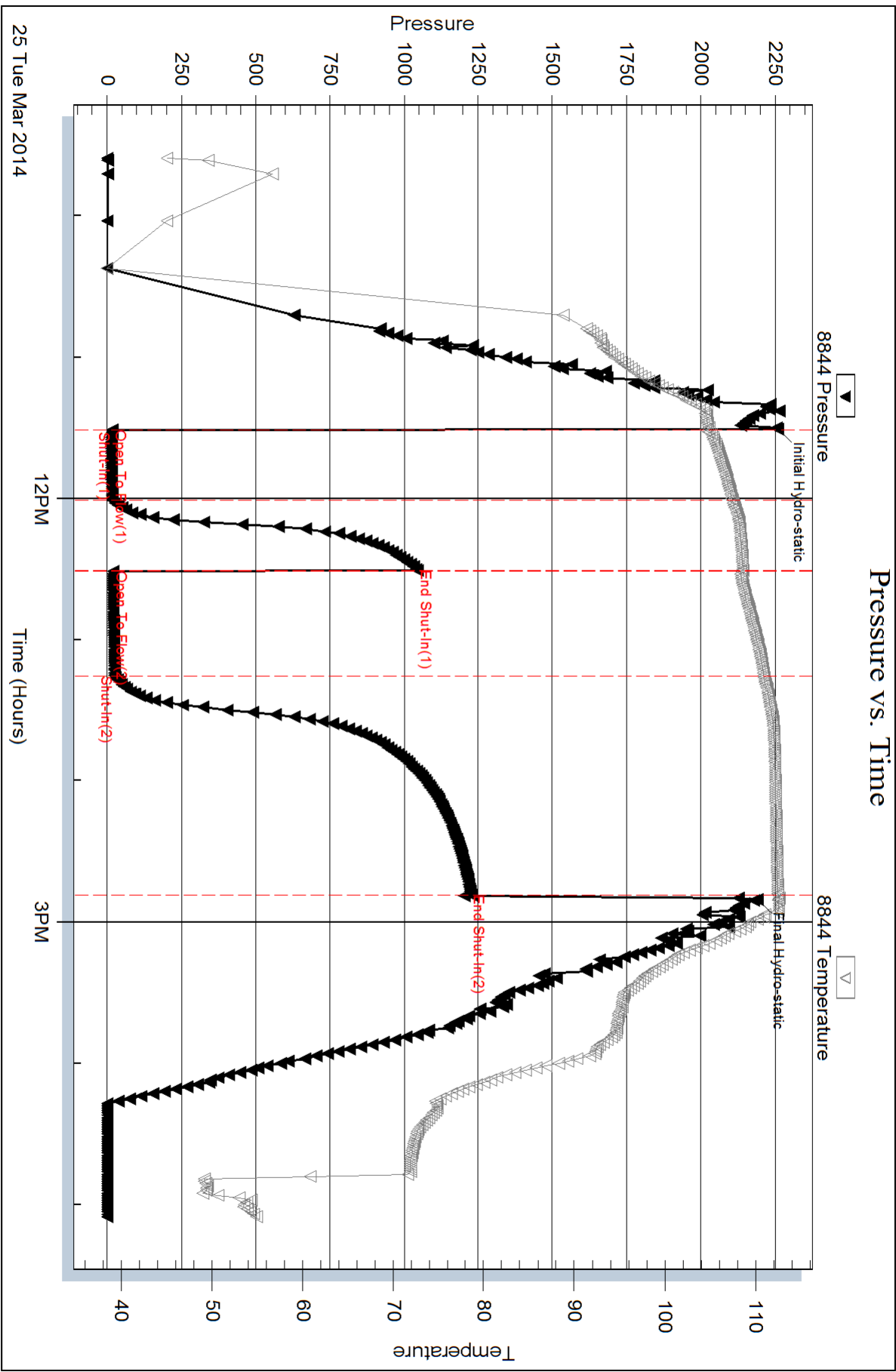
Recovery Comments:

Serial #: 8844

Outside Shakespeare Oil

Janzen #4-36

DST Test Number: 2



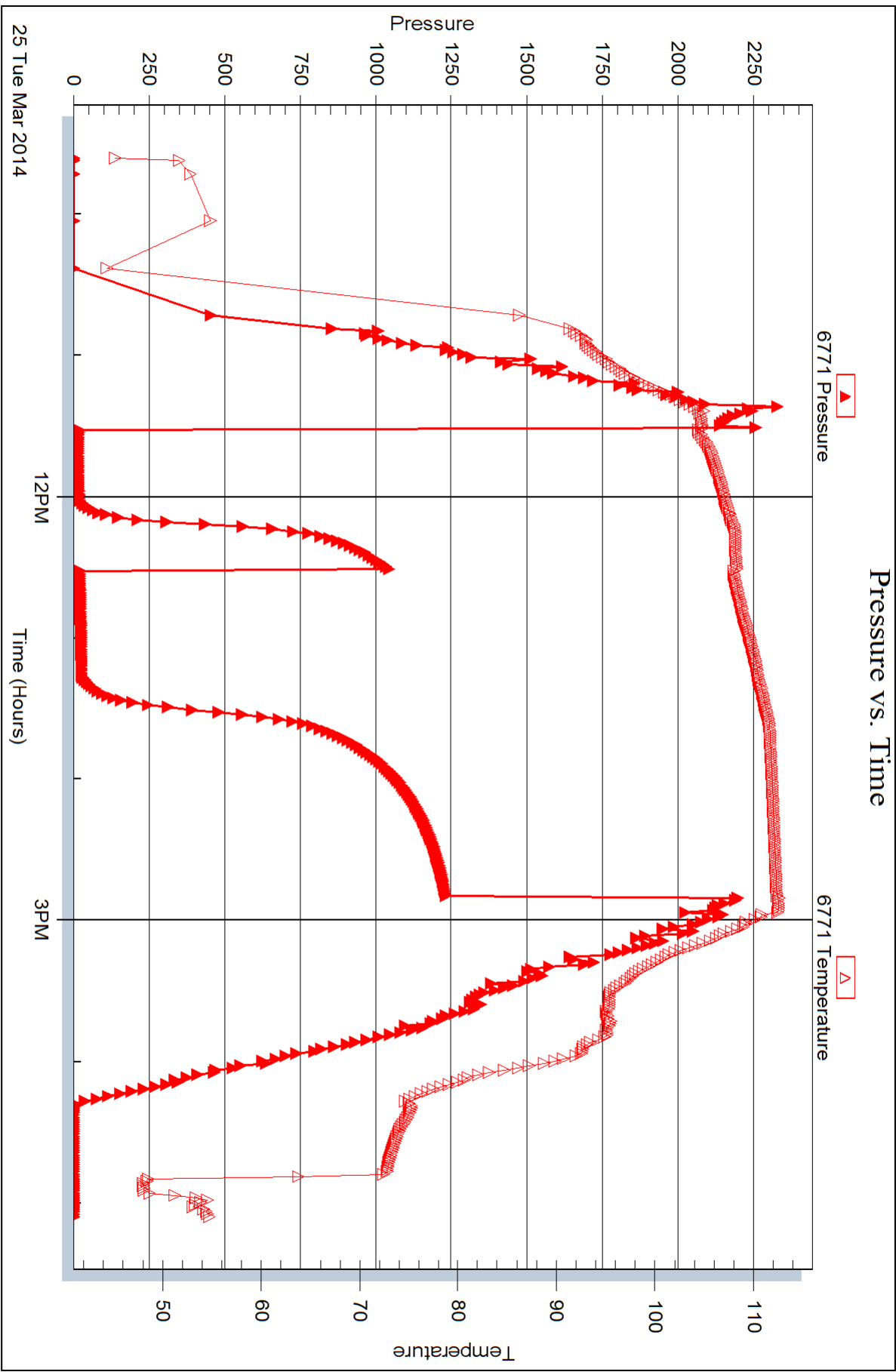
Serial #: 6771

Inside

Shakespeare Oil

Janzen #4-36

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56300

Printed: 2014.03.25 @ 22:54:56



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil

**36-16s-34w Scott, Ks**

202 West Main St.  
Salem, IL  
62881

**Janzen #4-36**

Job Ticket: 56326

**DST#: 3**

ATTN: Mark Herndon

Test Start: 2014.03.27 @ 01:45:35

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 03:58:20

Time Test Ended: 08:25:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

**Interval: 4656.00 ft (KB) To 4744.00 ft (KB) (TVD)**

Reference Elevations: 3109.00 ft (KB)

Total Depth: 4744.00 ft (KB) (TVD)

3097.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6771**

**Inside**

Press@RunDepth: 37.59 psig @ 4657.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.27

End Date:

2014.03.27

Last Calib.:

2014.03.27

Start Time:

01:45:35

End Time:

08:06:05

Time On Btm:

2014.03.27 @ 03:58:05

Time Off Btm:

2014.03.27 @ 06:01:20

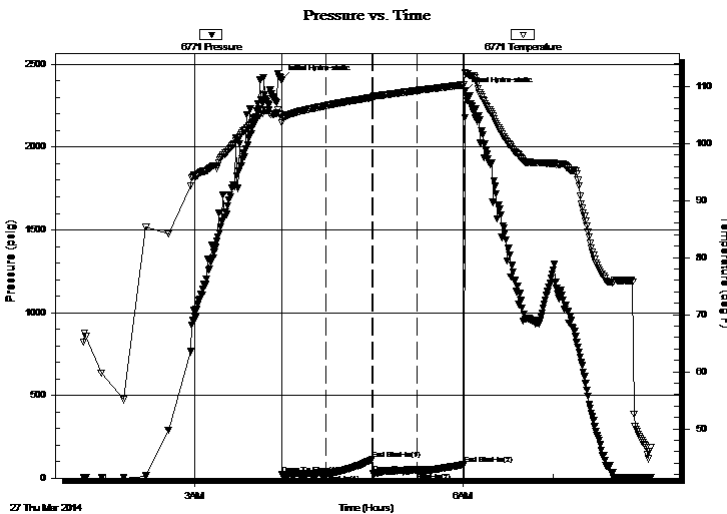
TEST COMMENT: 1/2" in blow died in 28 min.

No return

No blow

No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2405.55	104.97	Initial Hydro-static
1	21.40	103.60	Open To Flow (1)
30	22.91	106.59	Shut-In(1)
61	114.43	108.05	End Shut-In(1)
62	26.65	108.09	Open To Flow (2)
91	37.59	109.24	Shut-In(2)
123	81.80	110.25	End Shut-In(2)
124	2338.25	112.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.07

\* 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

**36-16s-34w Scott, Ks**

202 West Main St.  
Salem, IL  
62881

**Janzen #4-36**

Job Ticket: 56326

**DST#: 3**

ATTN: Mark Herndon

Test Start: 2014.03.27 @ 01:45:35

### 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: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6771

Inside

Shakespeare Oil

Janzen #4-36

DST Test Number: 3

