



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1198532  
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: \_\_\_\_\_

1198532

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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:  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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ortega 1-25
Doc ID	1198532

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ortega 1-25
Doc ID	1198532

Tops

Name	Top	Datum
Base Anhydrite	2448	+656
Heebner	3974	-870
Lansing	4014	-910
Muncie Creek	4198	-1094
Stark Shale	4296	-1192
Hushpuckney	4341	-1237
Pawnee	4522	-1418
L. Cherokee Shale	4604	-1500
Johnson	4649	-1545
Morrow Shale	4723	-1619
Mississippian	4786	-1682





PO Box 93999  
Southlake, TX 76092

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

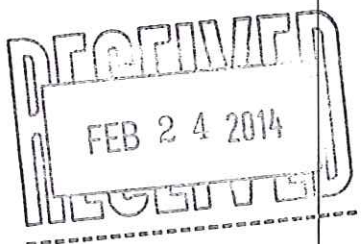
# INVOICE

Invoice Number: 141385  
Invoice Date: Feb 13, 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	62561	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Feb 13, 2014	3/15/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Ortega #1-25		
180.00	CEMENT MATERIALS	Class A Common <i>INT</i>	17.90	3,222.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
6.00	CEMENT MATERIALS	Chloride	64.00	384.00
194.64	CEMENT SERVICE	Cubic Feet Charge	2.48	482.71
399.73	CEMENT SERVICE	Ton Mileage Charge	2.60	1,039.30
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		



*Surface*  
*10502-5*

Subtotal	7,529.96
Sales Tax	299.61
Total Invoice Amount	7,829.57
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,829.57</b>

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

\$ 1,882.49 ✓

ONLY IF PAID ON OR BEFORE  
Mar 10, 2014

*DW*

# ALLIED OIL & GAS SERVICES, LLC

062561

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

*Dakkeyby*

1620  
508 100  
90

DATE <i>2/13/14</i>	SEC. <i>25</i>	TWP. <i>10</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION	JOB START <i>5:30A</i>	JOB FINISH <i>6:00P</i>
LEASE <i>Ortega</i>	WELL # <i>125</i>	LOCATION <i>Rince Eto Falcon 1/4 S</i>		COUNTY <i>Scott</i>	STATE <i>TX</i>		
OLD OR NEW (Circle one) <u>NEW</u>				<i>Wints</i>			

CONTRACTOR *HO #2*  
 TYPE OF JOB *Grout*  
 HOLE SIZE *12 1/4* T.D. *265*  
 CASING SIZE *8 5/8* DEPTH *265*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. *5'*  
 PERFS.  
 DISPLACEMENT *13.92*

OWNER *Gene*  
 CEMENT AMOUNT ORDERED *180 lbs 370 pcs*  
*297 lbs*  
 COMMON *180* @ *12.20* *3222.00*  
 POZMIX @  
 GEL *3* @ *25.40* *76.20*  
 CHLORIDE *10* @ *64.20* *384.00*  
 ASC @

EQUIPMENT  
 PUMP TRUCK CEMENTER *Alan Ryan*  
 # *421-281* HELPER *Kevin Ryan*  
 BULK TRUCK  
 # *0916* DRIVER *Edi (TWS)*  
 BULK TRUCK  
 # DRIVER

HANDLING *194* @ *2.48* *482.32*  
 MILEAGE *2.82* @ *8.88* *24.816*  
 TOTAL *5198.25*

REMARKS:  
*Grout, Gravelite, Max Cement Displace*  
*Cement Shut in*

*Cement Did Gravelite*  
*Thank you*  
*Phyllis Edri*

TOTAL *5198.25*

CHARGE TO: *Shake spore*  
 STREET  
 CITY STATE ZIP

SERVICE  
 DEPTH OF JOB *265'*  
 PUMP TRUCK CHARGE *1512.25*  
 EXTRA FOOTAGE @  
 MILEAGE *45* @ *7.20* *324.00*  
 MANIFOLD *225* @ *4.40* *990.00*  
*Crystalchick 45* @ *4.20* *189.00*

TOTAL *2331.75*

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.

PLUG & FLOAT EQUIPMENT  
 @  
 @  
 @  
 @  
 @  
 TOTAL

PRINTED NAME *Brad Roberts*  
 SIGNATURE *Brad Roberts*

SALES TAX (If Any)  
 TOTAL CHARGES *7,529.97*  
 DISCOUNT *1,882.49* IF PAID IN 30 DAYS  
*5,647.47 Net.*



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

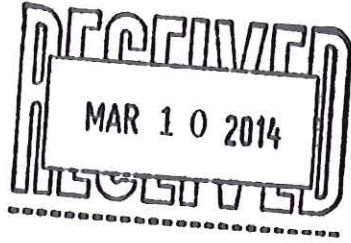
Invoice Number: 141609  
Invoice Date: Feb 25, 2014  
Page: 1

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

Customer ID	Field Ticket #	Payment Terms	
Shak	61474	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Feb 25, 2014	3/27/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Ortega #1-25		
3.00	CEMENT MATERIALS	Gel -- No Charge		
165.00	CEMENT MATERIALS	ASC	20.90	3,448.50
18.00	CEMENT MATERIALS	Salt	26.35	474.30
825.00	CEMENT MATERIALS	Gilsonite	0.98	808.50
116.00	CEMENT MATERIALS	CD-31	10.30	1,194.80
12.00	CEMENT MATERIALS	WFR-II	58.70	704.40
208.00	CEMENT SERVICE	Cubic Feet Charge	2.48	515.84
349.20	CEMENT SERVICE	Ton Mileage Charge	2.60	907.92
1.00	CEMENT SERVICE	Production Casing ✓	2,765.75	2,765.75
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Rotating Head	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		

INT



10502-S

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

\$ 2,959.87

ONLY IF PAID ON OR BEFORE  
Mar 22, 2014

Subtotal	11,839.51
Sales Tax	540.39
Total Invoice Amount	12,379.90
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,379.90</b>

DW



# ALLIED OIL & GAS SERVICES, LLC 061474

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley, KS

DATE <u>2-25-14</u>	SEC <u>25</u>	TWP <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30 a.m.</u>	JOB FINISH <u>3:30 a.m.</u>
LEASE <u>Ortega</u>	WELL # <u>1-25</u>	LOCATION <u>Pence E to Falcon Rd,</u>	COUNTY <u>Scott</u>		STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)			<u>1 1/4 S, Winto</u>				

CONTRACTOR HD rig 2  
 TYPE OF JOB Production (5 1/2)  
 HOLE SIZE 7 7/8 T.D. 4870'  
 CASING SIZE 5 1/2 DEPTH 4870.39'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL Pact collar DEPTH 2390.96'  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 46.72'  
 CEMENT LEFT IN CSG. 46.72'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 114.80 bbl water  
 EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Paul Beaver  
 # 120 HELPER Tyler Ellipse  
 BULK TRUCK \_\_\_\_\_  
 # 600 DRIVER Juan 2 (TWS)  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER Same

CEMENT  
 AMOUNT ORDERED 165 sks ASC  
10% salt, 5% Gilsomite, 2% gel,  
3/4 of 1% CD-31

COMMON	-	@	_____	_____
POZMIX	_____	@	_____	_____
GBL	<u>3 sks</u>	@	<u>23.40</u>	<u>N/C</u>
CHLORIDE	_____	@	_____	_____
ASC	<u>165 sks</u>	@	<u>20.90</u>	<u>3448.50</u>
Salt	<u>18 sks</u>	@	<u>26.35</u>	<u>474.30</u>
Gilsomite	<u>825 #</u>	@	<u>.98</u>	<u>808.50</u>
CD-31	<u>116 #</u>	@	<u>10.30</u>	<u>1194.80</u>
WFR-IT	<u>12 bbl</u>	@	<u>58.70</u>	<u>704.40</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
HANDLING	<u>208 #</u>	@	<u>2.48</u>	<u>515.84</u>
MILBAGE	<u>7.76 tons x 45 mi</u>	@	<u>2.60</u>	<u>907.92</u>

REMARKS:

Break circ. / Drop ball / Ball 300 #  
mix 12 bbl super flush, mix 30 sks  
in R.H. mix 135 sks down casing,  
Shot Down, wash up into pit, release  
plug, displace w/ water, plug did  
land @ 1300 # w/ 800 # lift  
pressure, float did hold  
Thank you!

TOTAL \$ 8054.26

SERVICE

DEPTH OF JOB	<u>4870'</u>	
PUMP TRUCK CHARGE	<u>2765.75</u>	
EXTRA FOOTAGE	@	_____
MILEAGE MINV	<u>45</u>	@ <u>7.70</u> <u>346.50</u>
MANIFOLD Rot. Head	_____	@ _____ <u>475.00</u>
MILV	<u>45</u>	@ <u>4.40</u> <u>198.00</u>
_____	@	_____

TOTAL \$ 3785.25

CHARGE TO: Shake spare  
 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 Doug Roberts  
 SIGNATURE Doug Roberts

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 11,839.51  
 DISCOUNT 2959.81 IF PAID IN 30 DAYS  
8,879.63 Net.



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 141617  
Invoice Date: Feb 28, 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	62489	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Feb 28, 2014	3/30/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Ortega #1-25		
244.00	CEMENT MATERIALS	Class A Common	17.90	4,367.60
131.00	CEMENT MATERIALS	Pozmix	9.35	1,224.85
26.00	CEMENT MATERIALS	Gel	23.40	608.40
94.00	CEMENT MATERIALS	Flo Seal	2.97	279.18
7.00	CEMENT MATERIALS	Cottonseed Hulls	35.00	245.00
586.33	CEMENT SERVICE	Cubic Feet Charge	2.48	1,454.10
1,059.75	CEMENT SERVICE	Ton Mileage Charge	2.60	2,755.35
1.00	CEMENT SERVICE	Port Collar ✓	2,483.59	2,483.59
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	Andrew Forslund		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	OPERATOR ASSISTANT	Adam Flipse		
1.00	EQUIPMENT OPERATOR	Talon Jones		

INT



10502-5

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

\$ 3,490.64

ONLY IF PAID ON OR BEFORE  
Mar 25, 2014

Subtotal	13,962.57
Sales Tax	548.09
Total Invoice Amount	14,510.66
Payment/Credit Applied	
<b>TOTAL</b>	<b>14,510.66</b>

DW

# ALLIED OIL & GAS SERVICES, LLC 062489

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Shake space

DATE <u>2-28-14</u>	SEC. <u>25</u>	TWP. <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00 P.M.</u>	JOB FINISH <u>2:00 P.M.</u>
LEASE <u>617 on</u>	WELL # <u>1-25</u>	LOCATION <u>Pence 36 1/4 S Winto</u>			COUNTY <u>SCOTT</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one)							

CONTRACTOR Wild west  
 TYPE OF JOB Port collar  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 5 1/2 DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL Port collar DEPTH 2391'  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER same  
 CEMENT  
 AMOUNT ORDERED 500 sks 65/35  
8 1/2" 9" 14" Flo-seal 1000# Halls on side  
used 325 sks cement 350# Halls  
 COMMON 244 sks @ 17.90 4367.60  
 POZMIX 131 sks @ 9.35 1224.85  
 GBL 26 sks @ 23.40 608.40  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
Flo-seal 9 1/4" @ 2.92 279.18  
 \_\_\_\_\_ @ \_\_\_\_\_  
Halls 7 sks @ 35.00 245.00  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING 58.22 cu/ft @ 2.48 1454.09  
 MILEAGE 2.6 to 10/mile 23.55 ton 225.25  
 TOTAL 16834.42

EQUIPMENT

PUMP TRUCK CEMENTER Andrew Forslund  
 # 423-281 HELPER Kevin Ryan  
 BULK TRUCK  
 # 818 DRIVER Adam Flipse  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER Talon Jones

REMARKS:  
Pressure system 1200# Open Port collar  
Mix 325 sks cement with 350# Halls  
circulated to surface. Displace  
Close port collar, pressure to 1200#  
held. Run 4 joints Reverse clean.

Thank you

CHARGE TO: Shake space  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB 2391'  
 PUMP TRUCK CHARGE 2483.59  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 45 miles @ 2.20 346.50  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
Light vehicle @ 4.40 198.00  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL 3028.09

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 \_\_\_\_\_  
 SIGNATURE [Signature]

SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES 13,962.56  
 DISCOUNT 3,490.64 IF PAID IN 30 DAYS  
10,471.92 Net.



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

**25-16s-34w Scott Co.**

202 W Main St  
Salem, IL 62881

**Ortega #1-25**

Job Ticket: 56724

**DST#: 1**

ATTN: Tim Priest

Test Start: 2014.02.19 @ 14:29:00

## GENERAL INFORMATION:

Formation: " J "

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:36:30

Time Test Ended: 21:12:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 71

**Interval: 4253.00 ft (KB) To 4288.00 ft (KB) (TVD)**

Reference Elevations: 3105.00 ft (KB)

Total Depth: 4288.00 ft (KB) (TVD)

3095.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8845**

**Inside**

Press @ Run Depth: 288.97 psig @ 4254.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.19

End Date:

2014.02.19

Last Calib.:

2014.02.19

Start Time: 14:29:05

End Time:

21:11:59

Time On Btm:

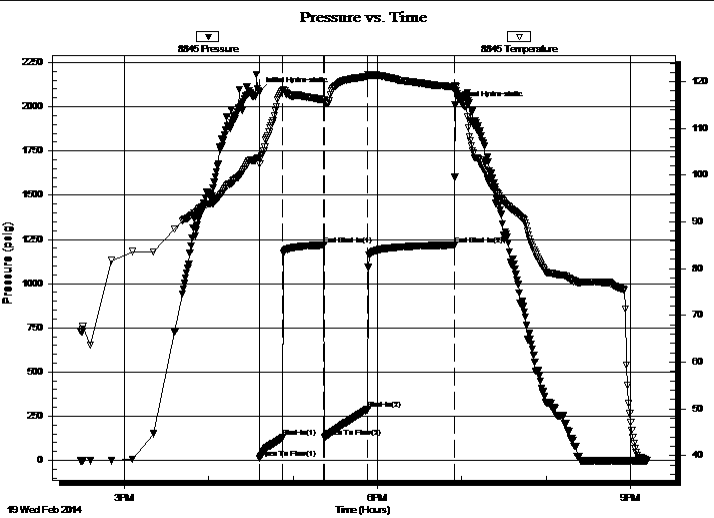
2014.02.19 @ 16:36:15

Time Off Btm:

2014.02.19 @ 18:55:15

**TEST COMMENT:** IF: BOB @ 12 min.  
IS: No Return.  
FF: BOB @ 11 min.  
FS: No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2083.96	103.76	Initial Hydro-static
1	13.44	102.49	Open To Flow (1)
17	128.17	117.98	Shut-In(1)
46	1217.80	116.16	End Shut-In(1)
46	129.52	115.70	Open To Flow (2)
77	288.97	121.12	Shut-In(2)
139	1216.58	118.85	End Shut-In(2)
139	2009.09	119.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
565.00	MCW 5m 95w	6.84
130.00	WCM ( Oil Spots ) 30w 70m	1.82

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co., Inc.

**25-16s-34w Scott Co.**

202 W Main St  
Salem, IL 62881

**Ortega #1-25**

Job Ticket: 56724

**DST#: 1**

ATTN: Tim Priest

Test Start: 2014.02.19 @ 14:29:00

### 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:

55000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
565.00	MCW 5m 95w	6.841
130.00	WCM ( Oil Spots ) 30w 70m	1.824

Total Length: 695.00 ft      Total Volume: 8.665 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .210 @ 43 degrees= 55,000 ppm

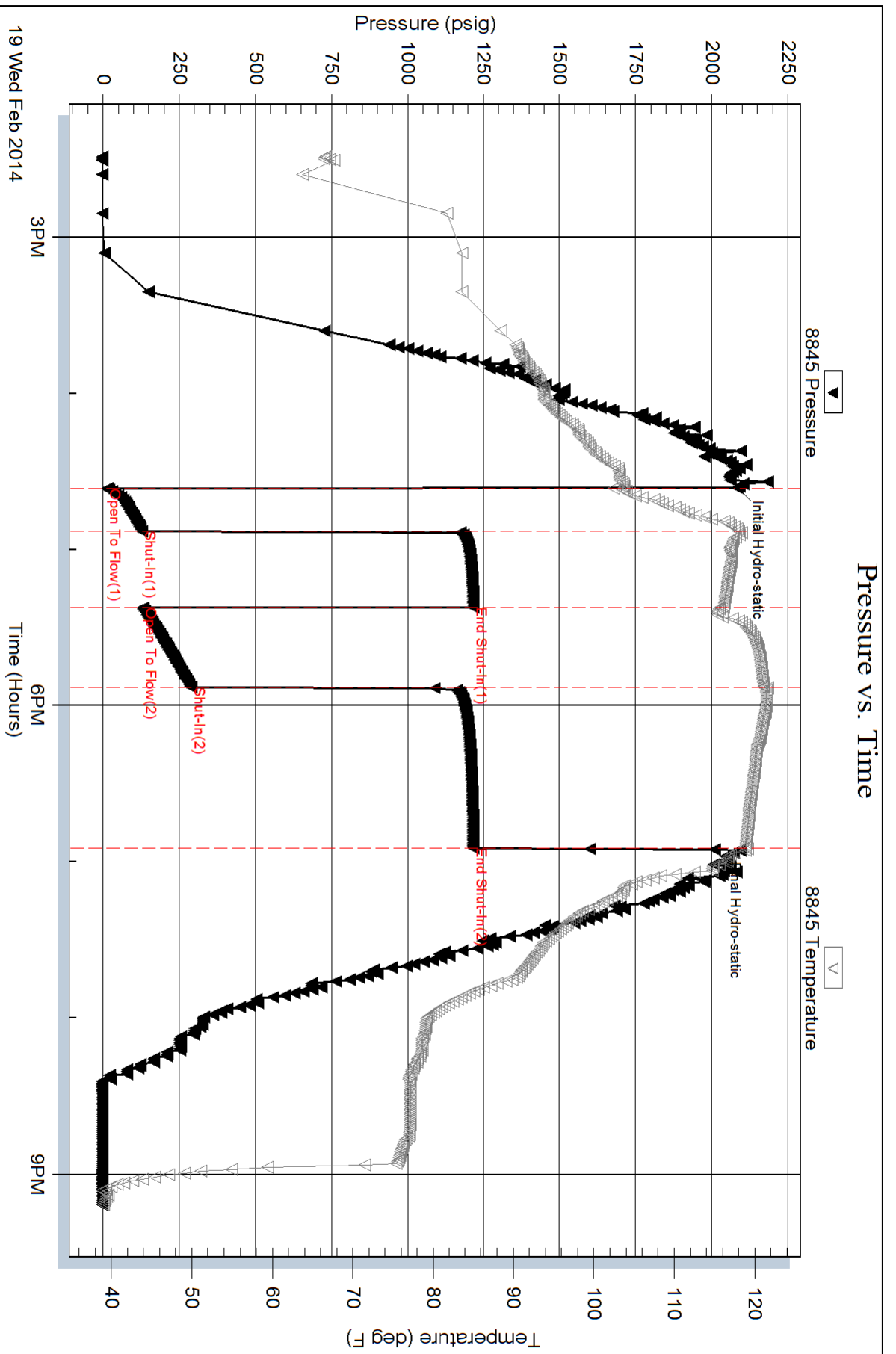
Serial #: 8845

Inside

Shakespeare Oil Co., Inc.

Ortega #1-25

DST Test Number: 1

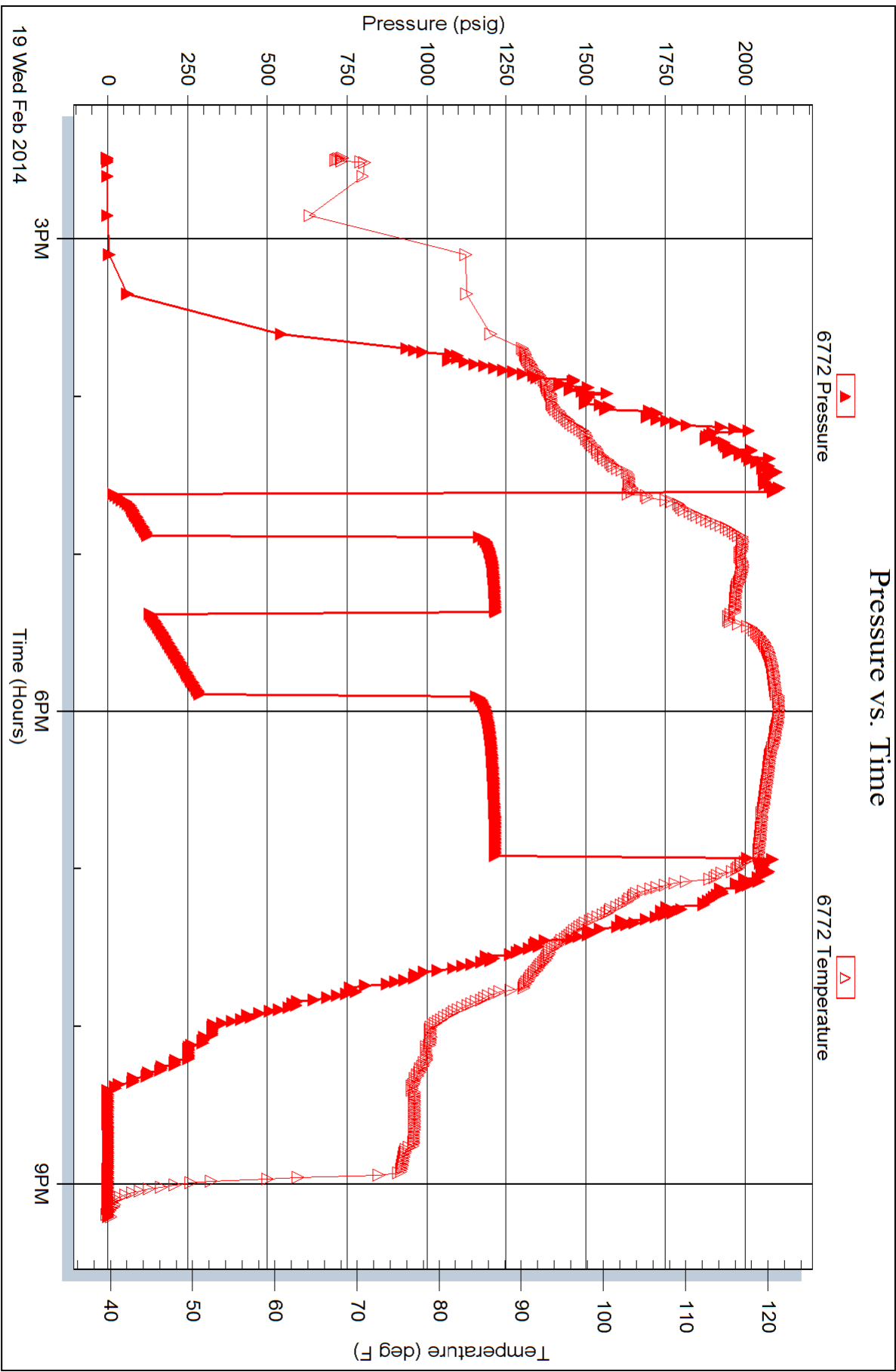


Serial #: 6772

Outside Shakespeare Oil Co., Inc.

Ortega #1-25

DST Test Number: 1







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

**25-16s-34w Scott Co.**

202 W Main St  
Salem, IL 62881

**Ortega #1-25**

Job Ticket: 56725

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.02.20 @ 22:53:00

## GENERAL INFORMATION:

Formation: **Marmaton " A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:38:45

Time Test Ended: 06:13:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 71

**Interval: 4431.00 ft (KB) To 4460.00 ft (KB) (TVD)**

Total Depth: 4460.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3105.00 ft (KB)

3095.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8845**

**Inside**

Press @ Run Depth: 1339.69 psig @ 4432.00 ft (KB)

Start Date: 2014.02.20

End Date: 2014.02.21

Start Time: 22:53:05

End Time: 06:13:14

Capacity: 8000.00 psig

Last Calib.: 2014.02.21

Time On Btm: 2014.02.21 @ 01:38:30

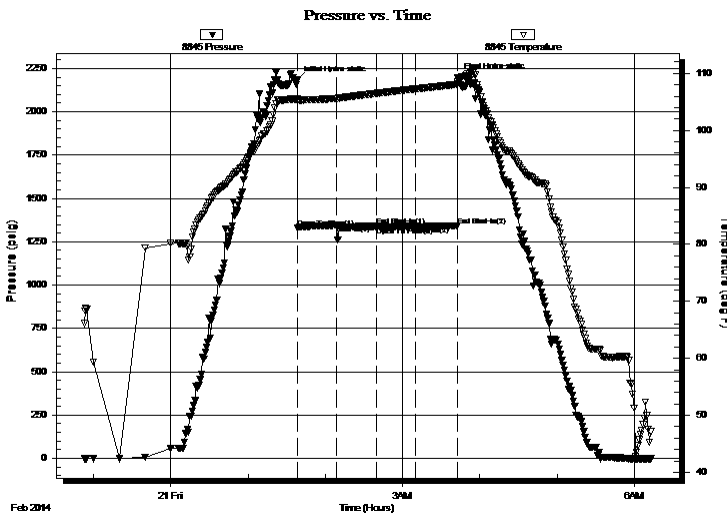
Time Off Btm: 2014.02.21 @ 03:43:00

TEST COMMENT: IF: Weak Surface Blow Died @ 8 min.

IS: No Return.

FF: No Blow .

FS: No Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.74	105.53	Initial Hydro-static
1	1329.39	105.25	Open To Flow (1)
31	1346.40	105.62	Shut-In(1)
61	1339.57	106.48	End Shut-In(1)
62	1336.00	106.50	Open To Flow (2)
92	1339.69	107.28	Shut-In(2)
124	1340.48	108.05	End Shut-In(2)
125	2196.49	108.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

## 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.

**25-16s-34w Scott Co.**

202 W Main St  
Salem, IL 62881

**Ortega #1-25**

Job Ticket: 56725

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.02.20 @ 22:53:00

## 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: 54.00 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: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

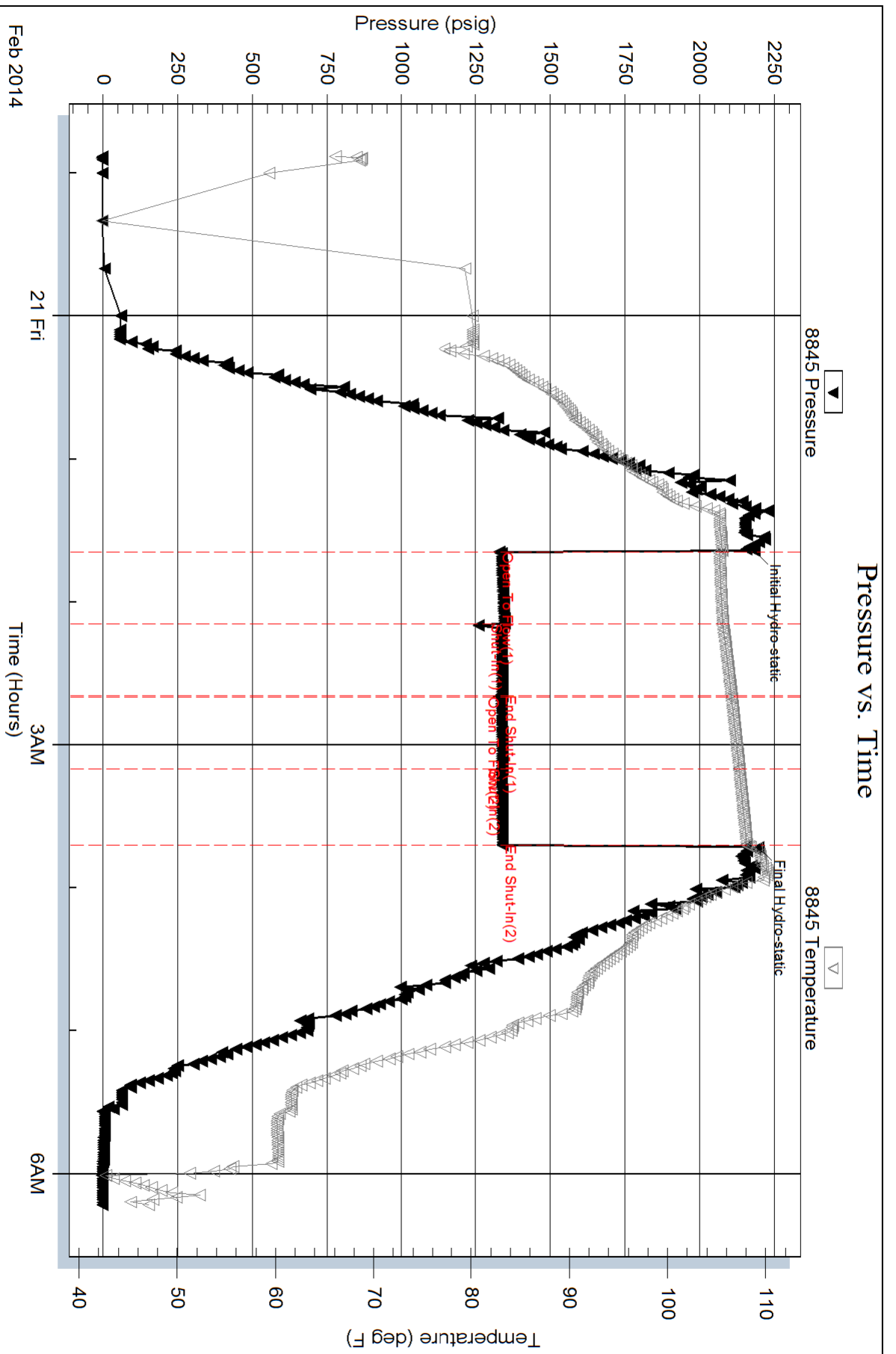
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

**25-16s-34w Scott Co.**

202 W Main St  
Salem, IL 62881

**Ortega #1-25**

Job Ticket: 56351

**DST#: 3**

ATTN: Tim Priest

Test Start: 2014.02.21 @ 16:00:00

## GENERAL INFORMATION:

Formation: **Marmaton " A & B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:04:30

Time Test Ended: 02:26:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 71

**Interval: 4431.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Reference Elevations: 3105.00 ft (KB)

Total Depth: 4480.00 ft (KB) (TVD)

3095.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8845**

**Inside**

Press@RunDepth: 733.87 psig @ 4432.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.21

End Date:

2014.02.22

Last Calib.:

2014.02.22

Start Time: 16:00:05

End Time:

02:26:45

Time On Btm:

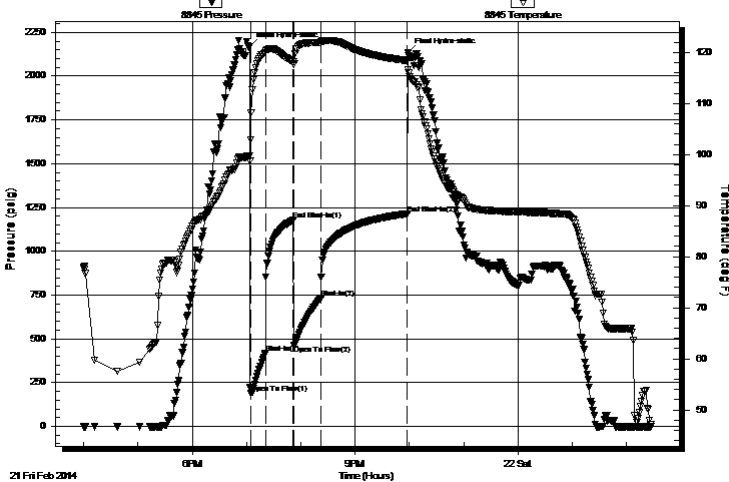
2014.02.21 @ 19:03:45

Time Off Btm:

2014.02.21 @ 21:58:30

**TEST COMMENT:** IF: BOB @ 1 min.  
IS: Bled off for 6 min. BOB Return @ 14 min.  
FF: BOB Immediately.  
FS: Bled off for 6 min. BOB Return @ 26 min.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.95	99.71	Initial Hydro-static
1	190.52	102.87	Open To Flow (1)
17	417.92	120.02	Shut-In(1)
48	1178.40	118.13	End Shut-In(1)
49	463.39	117.58	Open To Flow (2)
79	733.87	122.04	Shut-In(2)
174	1213.88	118.37	End Shut-In(2)
175	2132.07	116.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1905.00	GO 30g 70o	25.64
0.00	1200' 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.

**25-16s-34w Scott Co.**

202 W Main St  
Salem, IL 62881

**Ortega #1-25**

Job Ticket: 56351

**DST#: 3**

ATTN: Tim Priest

Test Start: 2014.02.21 @ 16:00:00

## 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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1905.00	GO 30g 70o	25.638
0.00	1200' GIP	0.000

Total Length: 1905.00 ft      Total Volume: 25.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API: 34 @ 40 degrees= 36 deg API

Serial #: 8845

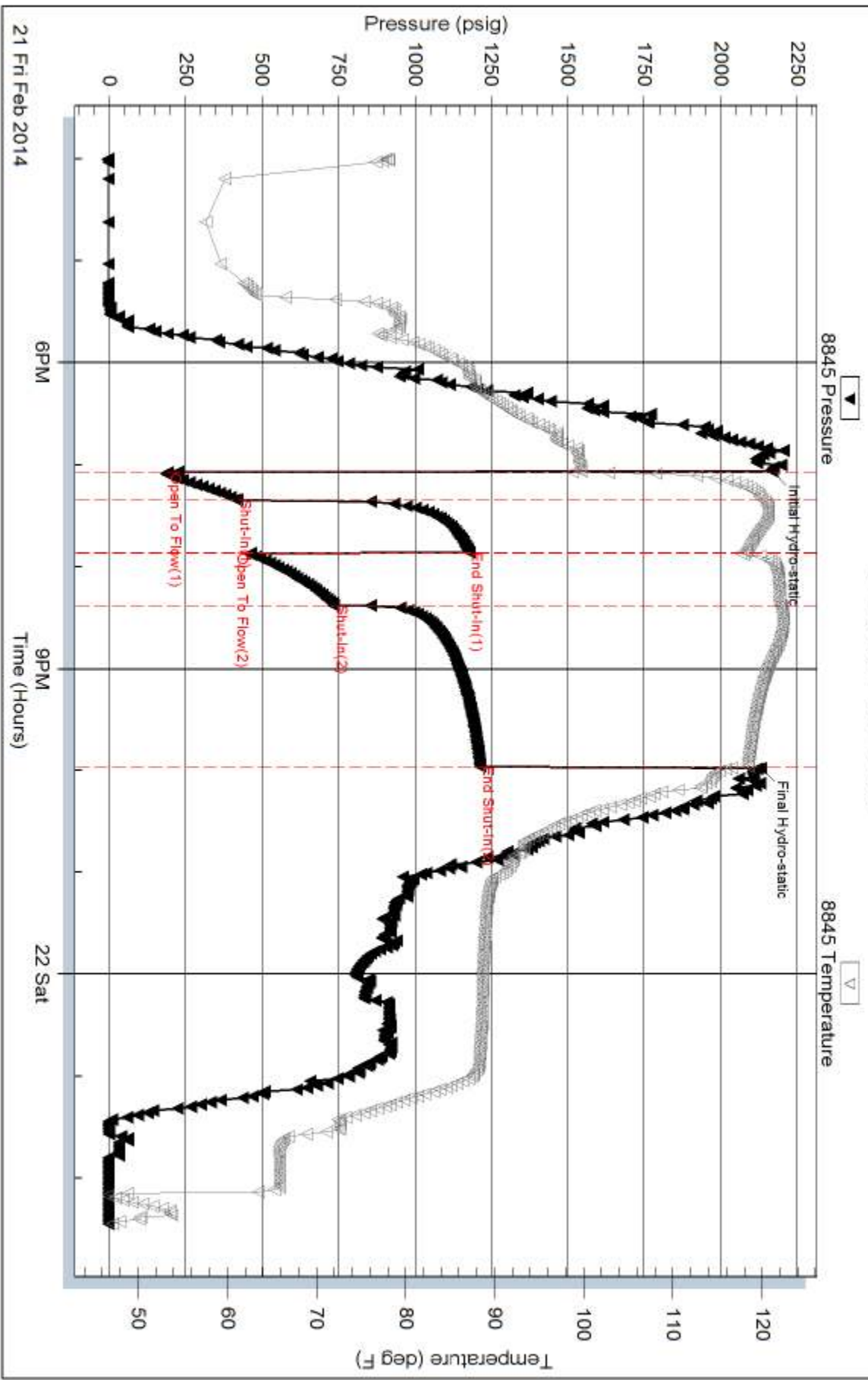
Inside

Shakespeare Oil Co., Inc.

Omega #1-25

DST Test Number: 3

### Pressure vs. Time



Tribble Testing, Inc

Ref. No: 56351

Printed: 2014.02.24 @ 14:28:55

