

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

12/7/12

Operator: License # 7311
Name: Shakespeare Oil Company, Inc.
Address: 202 West Main Street
City/State/Zip: Salem, IL 62881
Purchaser: NCRA
Operator Contact Person: Donald R. Williams
Phone: (618) 548-1585
Contractor: Name: WW Drilling, LLC
License: 33575
Wellsite Geologist: Brad Rine

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
10/11/10 10/19/10 11/4/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 109-20947-0000
County: Logan
S2 NW NE NE Sec. 35 Twp. 12 S. R. 32 East West
335 feet from S (circle one) Line of Section
990 feet from (circle one) W Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Glassman Well #: 1-35
Field Name: Wildcat
Producing Formation: Johnson, LKC "D"
Elevation: Ground: 2983' Kelly Bushing: 2988'
Total Depth: 4700' Plug Back Total Depth: 4646'
Amount of Surface Pipe Set and Cemented at 225' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2447' Feet
If Alternate II completion, cement circulated from 2447'
feet depth to surface w/ 280 sx cmt.

Drilling Fluid Management Plan Art II N/A 12/6-10
(Data must be collected from the Reserve Pit)
Chloride content 6500 ppm Fluid volume 2500 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Donald R Williams
Title: Vice President Date: 12/7/10
Subscribed and sworn to before me this 7th day of December,
2010.
Notary Public: Melissa A. Noel
Date Commission Expires: 11-6-11

OFFICIAL SEAL
MELISSA A. NOEL
Notary Public, State of Illinois
My Commission Expires 11-06-11

KCC Office Use ONLY
 Letter of Confidentiality Received 12/7/10 - 12/7/12
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
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Operator Name: Shakespeare Oil Company, Inc. Lease Name: Glassman Well #: 1-35
 Sec. 35 Twp. 12 S. R. 32 East West County: Logan

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Array Ind/SP/GR, CDL/CNL/GR/CAL/ML & Sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Geological Report
---	---

CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	23#	225'	Class A	175	2% gel, 3% CaCl2
Production	7 7/8"	5 1/2"	15.5#	4695'	ASC	200	5#/sk coal-seal & 3/4% CD-31

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2447'-0	Pozmix	280	65-35 poz w/8% gel & 1/4"/sk flocele

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
4	Johnson	250 gal 15% NEFe	4565-69, 4573-78
4	LKC "D"		4082-85, 4089-92

TUBING RECORD		Size 2 3/8"	Set At 4633'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 11/4/10			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 189	Gas Mcf N/A	Water Bbls. 10	Gas-Oil Ratio	Gravity 31.1

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease
 Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.)
 Other (Specify) _____

Shakespeare Oil Company, Inc.
Glassman #1-35
335'FNL, 990'FEL, NE/4, Sec. 35-12S-32W
Logan County, KS
API# 15-109-20947
EGL 2983'; EKB 2988'

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Summary of Well Information

Spud Date/Finish Date: 10/11/2010 / 10/20/2010
Field: Wildcat
Drilling Contractor/Rig No: WW Drilling/ Rig #2
Total Depth: DTD 4700'; LTD 4696'
Surface Casing: 8 5/8", 23# set at 225', cmt'd with 175 sacks
Production casing: New MWP 5 1/2", 15.5#, R-3, LTC set @ 4695'
Drill Time Kept: 3750' to 4700'
Samples Examined: 3750' to 4700'
Prospect Geologist: Shakespeare Staff
Wellsite Geologist: Brad Rine
Drill Stem Test Co./Tester: Trilobite Testing/Chuck Smith
Number of Tests: 4
Core Company/Core Man: N/A
Mud Company/Engineer: MudCo. / Reid Atkins
Mud Type: Chemical
Logging Company: Weatherford Wireline Services
Logs Ran: Array Ind/SP/GR, CN/CD/GR/CAL/ ML, Sonic
Total Depth Formation: Mississippian
Samples: Saved from 3750'-4700'
Well Status: WOC to test Johnson and LKC "D"

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SHAKESPEARE OIL COMPANY, INC.

Glassman #1-35

335' FNL, 990' FEL NE/4, Sec. 35-12S-32W

Logan County, KS

API# 15-109-20947

EGL 2983'; EKB 2988'

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Spud Date: 10/11/2010
Completion Date: 10/20/2010
Drilling Contractor: WW Drilling Rig #2
Wellsite Geologist: Brad Rine
Geological Tops: * All tops picked from Weatherford Wireline logs.*

<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Comments</u>
Stone Corral Anhy	2497' +491'	2521' +467'	
Stotler	3613' -625'		
Topeka	3796' -808'		
Heebner Shale	3961' -973'	3964' -976'	
Toronto	3990' -1002'		
Lansing	4002' -1014'		
LKC-"D"	4088' -1100'	4094' -1106'	gso, DST #1
Muncie Creek Sh	4152' -1164'	4155' -1167'	
LKC-"H"	4166' -1178'		
LKC-"I"	4194' -1206'		fso DST #2
LKC-"J"	4218' -1230'		fso DST #3
Stark Shale	4234' -1246'	4238' -1250'	
LKC-"K"	4251' -1263'		
Hushpuckney Sh	4274' -1286'	4278' -1290'	
LKC-"L"	4284' -1296'		
BKC	4306' -1318'		
Marmaton	4350' -1362'		
Pawnee	4435' -1447'		
Myric Station	4478' -1490'		
Fort Scott	4495' -1507'		
L. Cherokee Sh	4519' -1531'	4540' -1491'	
Johnson	4563' -1575'		gso, DST #4
Morrow Shale	4582' -1594'		
Morrow Ss	None		
Missippian	4621' -1633'		
DTD	4700' -1712'		

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DST #1: LKC "D" 4068'-4090' 30-30-45-60. Rec'd 820' GIP, 293' GO (40% gas, 60% oil), 558' GO (50% gas, 50% oil), 372' GO (60% gas, 40% oil) & 62' GWMCO (15% gas, 15% wtr, 35% mud, 35% oil), TF 1285'. IF: BOB in 2 ½ min – return BOB in 25 min, FF: BOB in 4 ½ min – return 6", IFP 86-263#, FFP 264-475#, ISIP 1194#, FSIP 1188#, BHT = 124⁰ F, chlorides = 30,000 ppm.

Glassman #1-35
Geological Summary
Page 2

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DST #2: LKC "I" 4184'-4212' 15-30-45-90. Rec'd 837' GIP, 154' GO (60% gas, 40% oil), 558' GO (30% gas, 70% oil), 124' GOMCW (40% gas, 10% oil, 20% mud, 30% wtr) & 805' MW (15% mud, 85% wtr), TF 1641'. IF: BOB in 2 min – 3" return blow, FF: BOB in 2 ½ min – BOB in 19 min, IFP 108-291#, FFP 301-696#, ISIP 1299#, FSIP 1294#, BHT = 125⁰ F, chlorides = 40,000 ppm.

DST #3: LKC "J" 4209'-4229' 30-30-45-90. Rec'd 310' GIP, 65' GO (20% gas, 80% oil), 62' GOWCM (10% gas, 10% oil, 30% wtr, 50% mud) & 123' MW (20% mud, 80% wtr), TF 250'. IF: BOB in 26 min – 1 1/2" return blow, FF: BOB in 20 min – 3' return died in 52 min, IFP 22-77#, FFP 81-120#, ISIP 1316#, FSIP 1328#, BHT = 121⁰ F, chlorides = 42,000 ppm.

DST #4: Johnson 4536'-4586' 15-30-30-90. Rec'd 2031' GIP (GTS @ 65 min in 2nd SI), 1085' GO (25% gas, 75% oil), 868' GO (40% gas, 60% oil), 186' GMCO (25% gas, 15% mud, 60% oil) & 244' GMCO (15% gas, 25% mud, 60% oil), TF 2383'. IF: BOB in 1 min – return BOB in 12 min, FF: BOB in 1 min – return BOB in 13 min – GTS @ 65 min, IFP 254-474#, FFP 508-846#, ISIP 1157#, FSIP 1162#, BHT = 133⁰ F.

DST depths corrected to log depths.

No cores were taken.

Logs: Weatherford – Array Induction/SP/GR, CD/CN/ML/GR, Sonic, LTD 4696'

Status: Set new 5 ½" csg. @ 4695', cmt'd w/ 200 sx ASC w/5#/sk gilsonite & ¾% CD-31. Plug Down 2:00 p.m., 10/20/10. WOC to test Johnson & LKC "D" zones.

Respectfully submitted,

Dale K. Helpingstine
Geologist, IL#196-000596

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PO BOX 31 Russell, KS 67665

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

INVOICE

Invoice Number: 125092
Invoice Date: Oct 26, 2010
Page: 1

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DEC 07 2010
CONFIDENTIAL

file

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Glassman #1-35	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Oct 26, 2010	11/25/10

Quantity	Item	Description	Unit Price	Amount
182.00	MAT	Class A Common	15.45	2,811.90
98.00	MAT	Pozmix	8.00	784.00
20.00	MAT	Gel	20.80	416.00
70.00	MAT	Flo Seal	2.50	175.00
455.00	SER	Handling	2.40	1,092.00
11.00	SER	Mileage 455 sx @.10 per sk per mi	45.50	500.50
1.00	SER	Port Collar	1,185.00	1,185.00
11.00	SER	Pump Truck Mileage	7.00	77.00

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NOV 08 2010
REGISTERED

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DEC 10 2010
KCC WICHITA

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

\$ 1408.28

ONLY IF PAID ON OR BEFORE
Nov 20, 2010

Subtotal	7,041.40
Sales Tax	305.64
Total Invoice Amount	7,347.04
Payment/Credit Applied	
TOTAL	7,347.04



PO BOX 31 Russell, KS 67665

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

INVOICE

Invoice Number: 124966
Invoice Date: Oct 20, 2010
Page: 1

Bill To:

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

file *INT*

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Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Glassman #1-35	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 20, 2010	11/19/10

Quantity	Item	Description	Unit Price	Amount
245.00	MAT	ASC Class A	18.60	4,557.00
1,225.00	MAT	Gilsonite	0.89	1,090.25
173.00	MAT	CD-31	9.35	1,617.55
500.00	MAT	WFR-2	1.27	635.00
272.00	SER	Handling	2.40	652.80
1.00	SER	Handling Mileage Charge	312.00	312.00
1.00	SER	Production Casing	2,185.00	2,185.00
11.00	SER	Pump Truck Mileage	7.00	77.00

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OCT 28 2010
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RECEIVED
DEC 10 2010
KCC WICHITA

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

\$ 2225³²

ONLY IF PAID ON OR BEFORE
Nov 14, 2010

Subtotal	11,126.60
Sales Tax	576.69
Total Invoice Amount	11,703.29
Payment/Credit Applied	
TOTAL	11,703.29

ALLIED CEMENTING CO., LLC. 035494

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

SERVICE POINT: Oakley, Ks

DATE <u>10/20/10</u>	SEC. <u>35</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00p</u>	JOB FINISH <u>2:00p</u>
LEASE <u>Wassman</u>		WELL # <u>1-35</u>		LOCATION <u>Oakley 10S 1/2E Sinto</u>		COUNTY <u>Logan</u>	STATE <u>Ks</u>
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR W & W 2

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 1/2 15 1/2-16 DEPTH 4695'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL PST Collar DEPTH 2454'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.55

CEMENT LEFT IN CSG. 42.55

PERFS.

DISPLACEMENT

OWNER Same

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CEMENT

AMOUNT ORDERED 245 SK ASC

510 Gilsonite 3/4-170 CD 31

500 gal WFR II

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC <u>245 SK</u>	@	<u>8.60</u>	<u>4557.00</u>
<u>Gilsonite 1225 lb</u>	@	<u>0.89</u>	<u>1090.25</u>
<u>CD-31 173 lb</u>	@	<u>9.35</u>	<u>1617.25</u>
<u>WFR II 500 gal</u>	@	<u>1.27</u>	<u>635.00</u>
HANDLING <u>222 gal</u>	@	<u>2.40</u>	<u>652.80</u>
MILEAGE <u>24 SK/mile - minimum</u>	@		<u>312.00</u>
TOTAL			<u>8864.60</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan

886-2817 HELPER Wayne

BULK TRUCK

DRIVER Jerry

BULK TRUCK

DRIVER

REMARKS:

Pump 5 BBL H₂O, mix 500 gal WFR II, Tail mix 15 BBL H₂O, mix 30 SK But Hole, 15 SK Mouse Hole.

Amix 200 SK ASC 5" Gilsonite 3/4-170 CD 31 down 5 1/2 cas, work to 1000' lines, Displace Plug to Latch down 21 BBL H₂O @ PST CPT and Plug @ PST.

Thank You Alan, Wayne, Jerry

SERVICE

DEPTH OF JOB		<u>4695'</u>
PUMP TRUCK CHARGE		<u>215.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>11</u>	@	<u>7.00</u>
MANIFOLD	@	
	@	
	@	
TOTAL		<u>2262.00</u>

CHARGE TO: Shakespeare

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., LLC.

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

PRINTED NAME T.C. LARSON

SIGNATURE T.C. Larson

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 124858

Invoice Date: Oct 11, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

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

File INT

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Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Glassman #1-35	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Oct 11, 2010	11/10/10

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	15.45	2,703.75
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
184.00	SER	Handling	2.40	441.60
1.00	SER	Handling Mileage Charge	312.00	312.00
1.00	SER	Surface	1,018.00	1,018.00
11.00	SER	Pump Truck Mileage	7.00	77.00

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OCT 25 2010
ACCEPTED

RECEIVED
DEC 10 2010
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ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 992.79

ONLY IF PAID ON OR BEFORE

Nov 5, 2010

Subtotal	4,963.95
Sales Tax	227.42
Total Invoice Amount	5,191.37
Payment/Credit Applied	
TOTAL	5,191.37

ALLIED CEMENTING CO., LLC. 035483

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

SERVICE POINT: Oakley, K

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DATE <u>10/10/10</u>	SEC <u>35</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00pm</u>	JOB FINISH <u>5:30pm</u>
LEASE <u>Glassman</u>		WELL # <u>1-35</u>	LOCATION <u>Oakley 10 S 1/2 E S 20th</u>			COUNTY <u>Coyne</u>	STATE <u>K</u>
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Wm 2

TYPE OF JOB Surface

HOLE SIZE 10 1/4 T.D. 225

CASING SIZE 8 7/8 DEPTH 225

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13-37

OWNER Dime

CEMENT AMOUNT ORDERED 175 con 390cc 2070gal

EQUIPMENT

PUMP TRUCK CEMENTER Alan

431 HELPER Kelly

BULK TRUCK DRIVER Barren

373

BULK TRUCK DRIVER _____

COMMON	<u>175</u>	@	<u>15.45</u>	<u>2703.25</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.00</u>	<u>60.00</u>
CHLORIDE	<u>6</u>	@	<u>58.00</u>	<u>348.00</u>
ASC		@		
HANDLING	<u>184 gal</u>	@	<u>2.40</u>	<u>441.60</u>
MILEAGE	<u>11 @ 4/mile</u>			<u>312.00</u>
				TOTAL <u>3868.85</u>

REMARKS:
Run 8 5/8 con Circulate mix 175 gal con 390cc 2070gal Displace w/ 13.37 SBL to 0

Cement Ad Circulate
Thacker
Alan, Kelly, Barren

CHARGE TO: Shuttepeare

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE 1018.00

EXTRA FOOTAGE @ _____

MILEAGE 11 @ 2.00 22.00

MANIFOLD @ _____

TOTAL 1095.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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

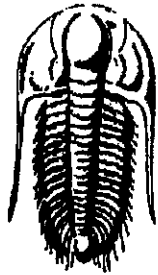
PRINTED NAME Louise Lang

SIGNATURE Louise Lang

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Company, Inc.**

202 W. Main
Salem, IL 62881-1519

ATTN: Brad Rine

S35-12-32 Logan KS

Glassman #1-35

Start Date: 2010.10.15 @ 13:52:00

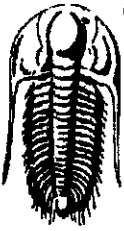
End Date: 2010.10.15 @ 21:32:30

Job Ticket #: 38930 DST #: 1

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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38930

DST#: 1

ATTN: Brad Rine

Test Start: 2010.10.15 @ 13:52:00

GENERAL INFORMATION:

Formation: LKC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:42:30

Time Test Ended: 21:32:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4076.00 ft (KB) To 4098.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4098.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6751

Outside

Press@RunDepth: 475.03 psig @ 4080.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.15

End Date:

2010.10.15

Last Calib.: 2010.10.15

Start Time: 13:52:05

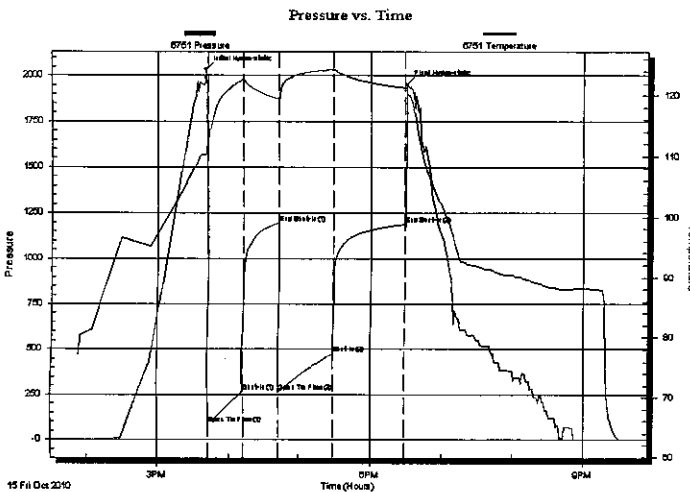
End Time:

21:32:29

Time On Btm: 2010.10.15 @ 15:40:40

Time Off Btm: 2010.10.15 @ 18:29:50

TEST COMMENT: IF: B.O.B. @ 2 1/2 min.
IS: B.O.B. @ 25 min.
FF: B.O.B. @ 4 1/2 min.
FS: 6" Return.



PRESSURE SUMMARY

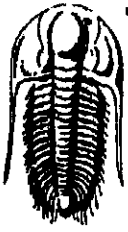
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2034.25	110.54	Initial Hydro-static
2	85.80	110.85	Open To Flow (1)
32	263.42	122.60	Shut-In(1)
62	1194.33	119.43	End Shut-In(1)
63	264.10	118.88	Open To Flow (2)
107	475.03	124.29	Shut-In(2)
168	1187.81	121.33	End Shut-In(2)
170	1952.09	120.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .230 @ 68 degrees F = 30000 PPM	0.00
62.00	GVMCO 15g 15w 35m 35o	0.30
372.00	GO 60g 40o	4.66
558.00	GO 50g 50o	7.83
293.00	GO 40g60o	4.11
0.00	820 Ft. GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38930

DST#: 1

ATTN: Brad Rine

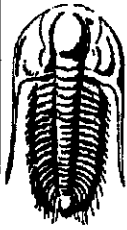
Test Start: 2010.10.15 @ 13:52:00

Tool Information

Drill Pipe:	Length: 3944.00 ft	Diameter: 3.80 inches	Volume: 55.32 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.92 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	18.50 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4076.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Tool Slid 4 - 5 feet				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4049.50	
Shut In Tool	5.00			4054.50	
Hydraulic tool	5.00			4059.50	
Jars	5.00			4064.50	
Safety Joint	2.50			4067.00	
Packer	5.00			4072.00	27.50 Bottom Of Top Packer
Packer	4.00			4076.00	
Stubb	1.00			4077.00	
Perforations	3.00			4080.00	
Recorder	0.00	8357	Inside	4080.00	
Recorder	0.00	6751	Outside	4080.00	
Perforations	15.00			4095.00	
Bullnose	3.00			4098.00	22.00 Bottom Packers & Anchor

Total Tool Length: 49.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38930

DST#: 1

ATTN: Brad Rine

Test Start: 2010.10.15 @ 13:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.74 in³

Resistivity: 0.00 ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 37 deg API

Water Salinity: 30000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .230 @ 68 degrees F = 30000 PPM	0.000
62.00	GWMCO 15g 15w 35m 35o	0.305
372.00	GO 60g 40o	4.663
558.00	GO 50g 50o	7.827
293.00	GO 40g60o	4.110
0.00	820 Ft. GIP	0.000

Total Length: 1285.00 ft Total Volume: 16.905 bbl

Num Fluid Samples: 0

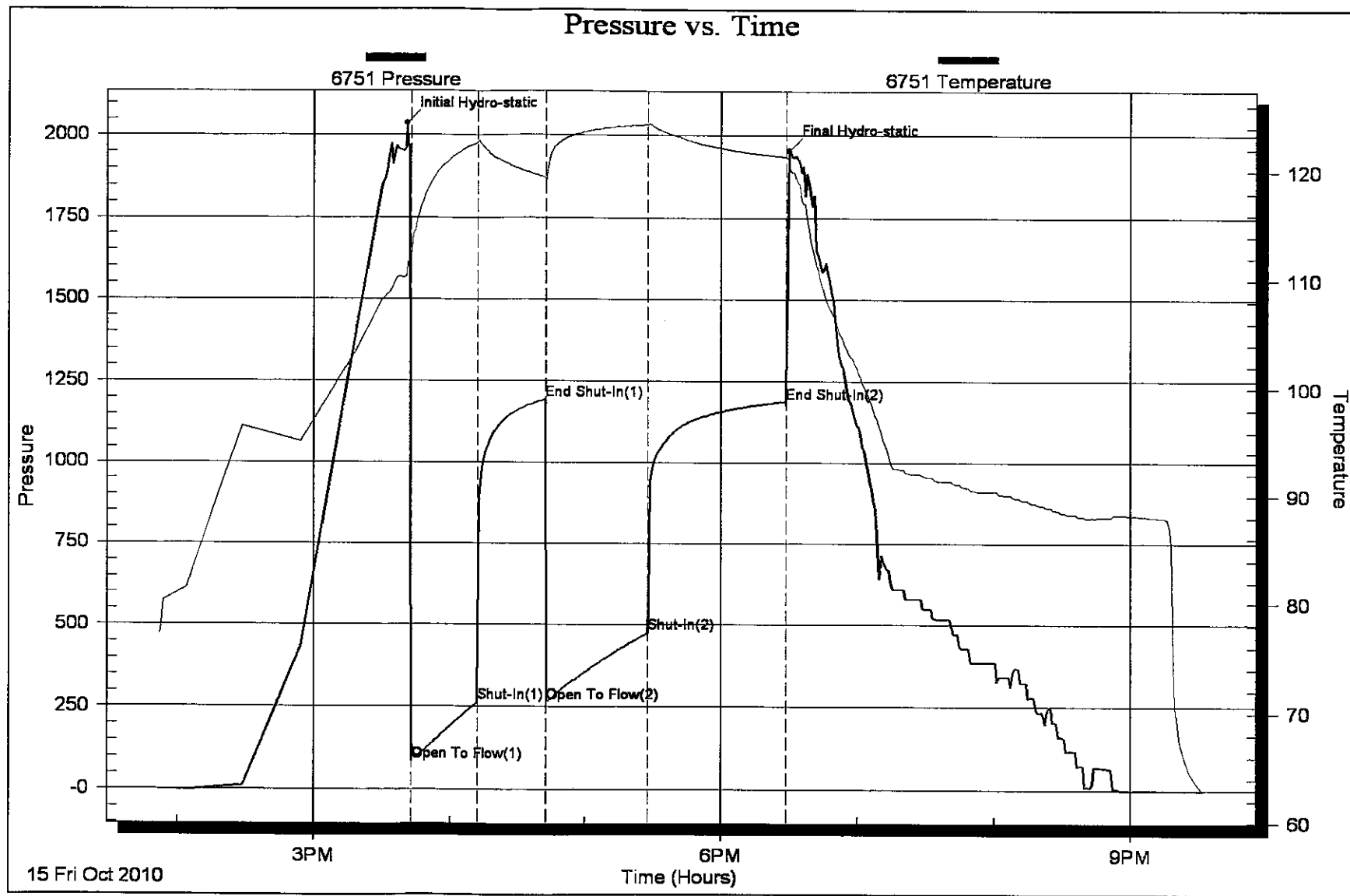
Num Gas Bombs: 0

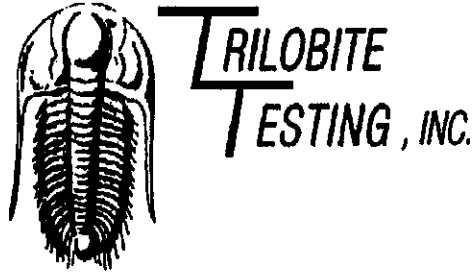
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 38 @ 70 degree F = 37.





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Company, Inc.**

202 W. Main
Salem, IL 62881-1519

ATTN: Brad Rine

S35-12-32 Logan KS

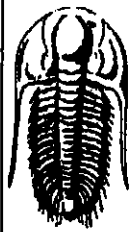
Glassman #1-35

Start Date: 2010.10.16 @ 13:16:00

End Date: 2010.10.16 @ 21:07:30

Job Ticket #: 38931 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38931

DST#: 2

ATTN: Brad Rine

Test Start: 2010.10.16 @ 13:16:00

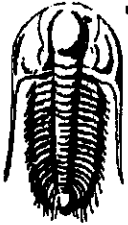
Tool Information

Drill Pipe:	Length: 4070.00 ft	Diameter: 3.80 inches	Volume: 57.09 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 57.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.50 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4190.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	55.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4163.50	
Shut In Tool	5.00			4168.50	
Hydraulic tool	5.00			4173.50	
Jars	5.00			4178.50	
Safety Joint	2.50			4181.00	
Packer	5.00			4186.00	27.50 Bottom Of Top Packer
Packer	4.00			4190.00	
Stubb	1.00			4191.00	
Perforations	3.00			4194.00	
Recorder	0.00	8357	Inside	4194.00	
Recorder	0.00	6751	Outside	4194.00	
Perforations	21.00			4215.00	
Bullnose	3.00			4218.00	28.00 Bottom Packers & Anchor

Total Tool Length: 55.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38931

DST#: 2

ATTN: Brad Rine

Test Start: 2010.10.16 @ 13:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: 200@ 56 degrees F = 40000 PPM	0.000
805.00	MW 15m 85w	10.172
124.00	GOMCW 40g 10o 20m 30w	1.739
558.00	GO 30g 70o	7.827
154.00	GO 60g 40o	2.160
0.00	837 Ft. GIP	0.000

Total Length: 1641.00 ft Total Volume: 21.898 bbl

Num Fluid Samples: 0

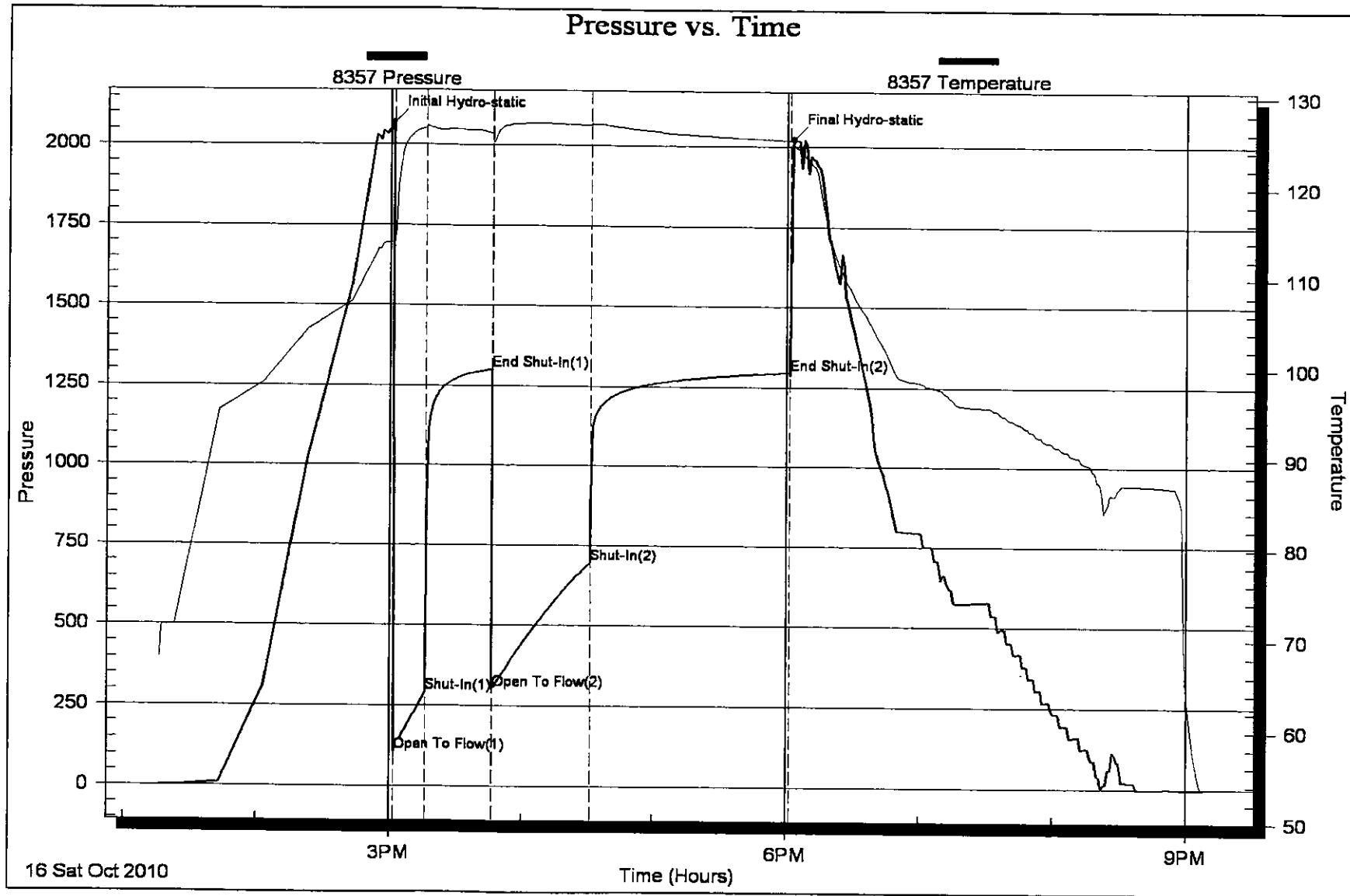
Num Gas Bombs: 0

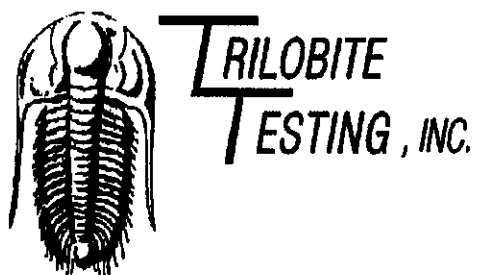
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API:40 @ 60 Degrees F = 40





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Company, Inc.**

202 W. Main
Salem, IL 62881-1519

ATTN: Brad Rine

S35-12-32 Logan KS

Glassman #1-35

Start Date: 2010.10.17 @ 04:58:00

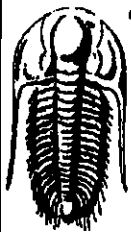
End Date: 2010.10.17 @ 11:55:45

Job Ticket #: 38932 DST #: 3

TriLOBITE Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Company, Inc.
202 W. Main
Salem, IL 62881-1519
ATTN: Brad Rine

Glassman #1-35
S35-12-32 Logan KS
Job Ticket: 38932 DST#: 3
Test Start: 2010.10.17 @ 04:58:00

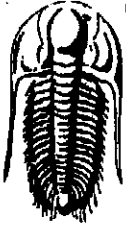
Tool Information

Drill Pipe:	Length: 4069.00 ft	Diameter: 3.80 inches	Volume: 57.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.50 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4215.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	47.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4188.50	
Shut In Tool	5.00			4193.50	
Hydraulic tool	5.00			4198.50	
Jars	5.00			4203.50	
Safety Joint	2.50			4206.00	
Packer	5.00			4211.00	27.50 Bottom Of Top Packer
Packer	4.00			4215.00	
Stubb	1.00			4216.00	
Perforations	3.00			4219.00	
Recorder	0.00	8357	Inside	4219.00	
Recorder	0.00	6751	Outside	4219.00	
Perforations	13.00			4232.00	
Bullnose	3.00			4235.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38932

DST#: 3

ATTN: Brad Rine

Test Start: 2010.10.17 @ 04:58:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.72 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	MW 20m 80w	0.605
62.00	GOWCM 10g 10o 30w 50m	0.870
65.00	GO 20g 80o	0.912
0.00	310 Ft. GIP	0.000

Total Length: 250.00 ft Total Volume: 2.387 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

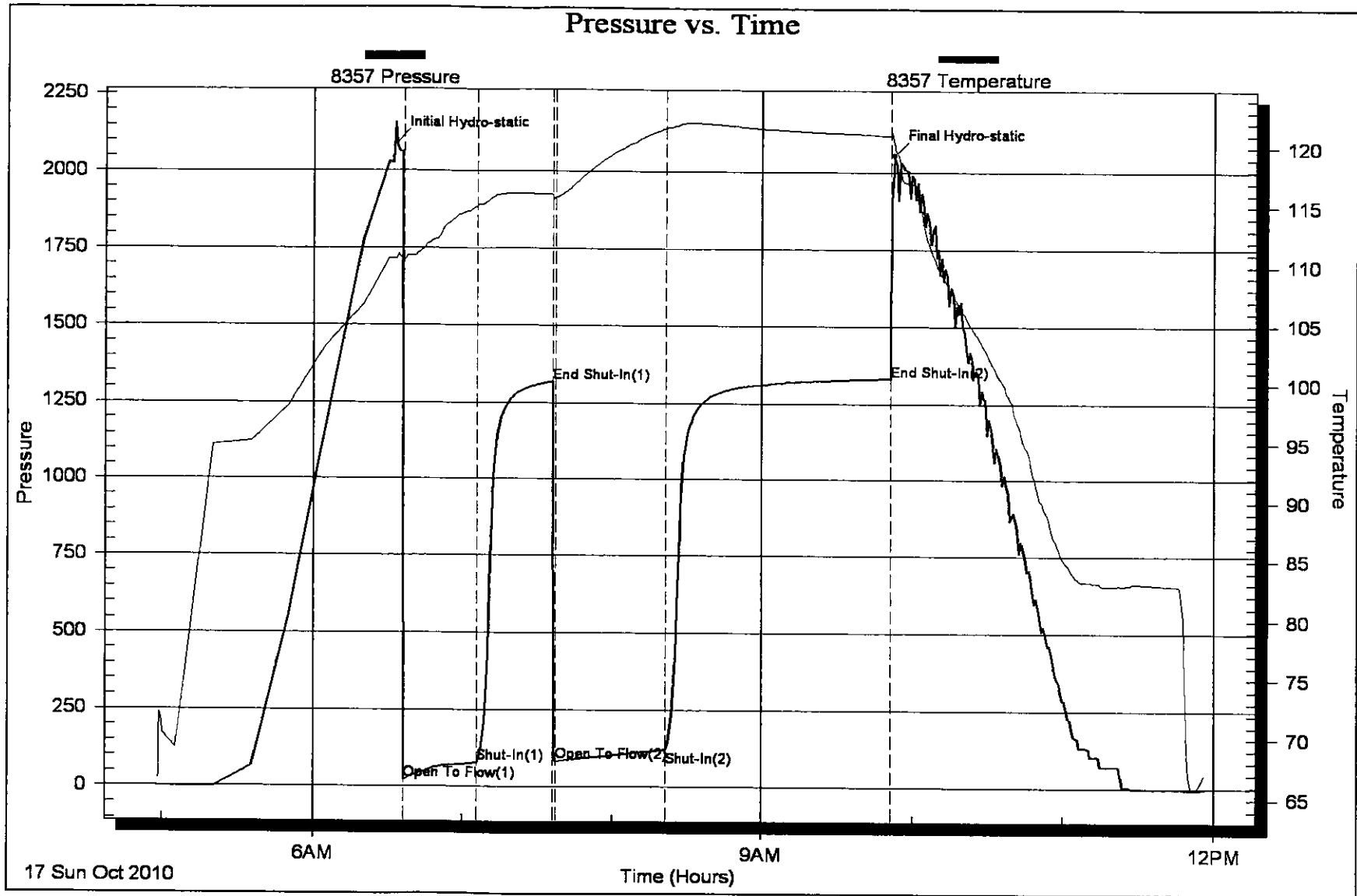
Serial #:

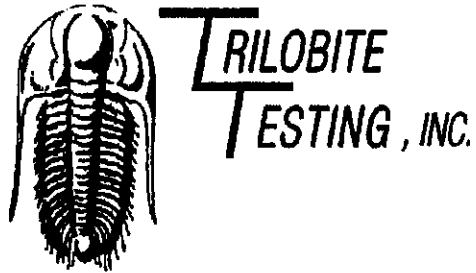
Laboratory Name:

Laboratory Location:

Recovery Comments: API: 40 @ 70 Degrees F = 39.

RW: .190 @ 63 Degrees F = 42000





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Company, Inc.**

202 W. Main
Salem, IL 62881-1519

ATTN: Brad Rine

S35-12-32 Logan KS

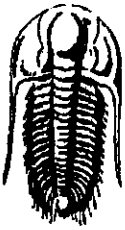
Glassman #1-35

Start Date: 2010.10.18 @ 21:02:00

End Date: 2010.10.19 @ 05:54:15

Job Ticket #: 38933 DST #: 4

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38933

DST#: 4

ATTN: Brad Rine

Test Start: 2010.10.18 @ 21:02:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 23:00:30

Time Test Ended: 05:54:15

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **37**

Interval: **4545.00 ft (KB) To 4595.00 ft (KB) (TVD)**

Reference Elevations: **2988.00 ft (KB)**

Total Depth: **4595.00 ft (KB) (TVD)**

2983.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **5.00 ft**

Serial #: 8357

Inside

Press@RunDepth: **846.46 psig @ 4549.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.10.18**

End Date: **2010.10.19**

Last Calib.: **2010.10.19**

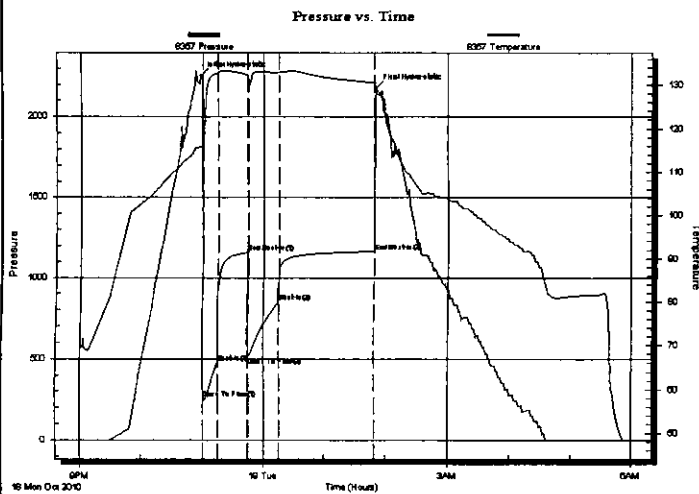
Start Time: **21:02:05**

End Time: **05:54:15**

Time On Btm: **2010.10.18 @ 22:58:15**

Time Off Btm: **2010.10.19 @ 01:50:30**

TEST COMMENT: IF: B.O.B. @ 1 min.
 Ist B.O.B. @ 12 min.
 FF: B.O.B. @ 1 min.
 FSI: B.O.B. @ 13 min. GTS @ 65 min.



PRESSURE SUMMARY

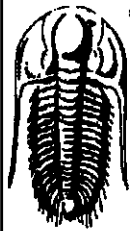
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.81	115.85	Initial Hydro-static
3	254.31	115.88	Open To Flow (1)
17	473.52	132.83	Shut-In(1)
47	1157.35	132.36	End Shut-In(1)
48	508.36	130.55	Open To Flow (2)
77	846.46	132.90	Shut-In(2)
171	1162.39	130.65	End Shut-In(2)
173	2181.56	128.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
244.00	GMCO 15g 25m 60o	2.30
186.00	GMCO 25g 15m 60o	2.61
868.00	GO 40g 60o	12.18
1085.00	GO 25g 75o	15.22
0.00	2031 Ft. GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38933

DST#: 4

ATTN: Brad Rine

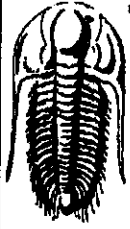
Test Start: 2010.10.18 @ 21:02:00

Tool Information

Drill Pipe:	Length: 4414.00 ft	Diameter: 3.80 inches	Volume: 61.92 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 220001.0 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 62.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.50 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4545.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	77.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4518.50	
Shut In Tool	5.00			4523.50	
Hydraulic tool	5.00			4528.50	
Jars	5.00			4533.50	
Safety Joint	2.50			4536.00	
Packer	5.00			4541.00	27.50 Bottom Of Top Packer
Packer	4.00			4545.00	
Stubb	1.00			4546.00	
Perforations	3.00			4549.00	
Recorder	0.00	8357	Inside	4549.00	
Recorder	0.00	6751	Outside	4549.00	
Perforations	10.00			4559.00	
Change Over Sub	1.00			4560.00	
Drill Pipe	31.00			4591.00	
Change Over Sub	1.00			4592.00	
Bullnose	3.00			4595.00	50.00 Bottom Packers & Anchor
Total Tool Length:	77.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc.

Glassman #1-35

202 W. Main
Salem, IL 62881-1519

S35-12-32 Logan KS

Job Ticket: 38933

DST#: 4

ATTN: Brad Rine

Test Start: 2010.10.18 @ 21:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
244.00	GMCO 15g 25m 60o	2.302
186.00	GMCO 25g 15m 60o	2.609
868.00	GO 40g 60o	12.176
1085.00	GO 25g 75o	15.220
0.00	2031 Ft. GIP	0.000

Total Length: 2383.00 ft Total Volume: 32.307 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 29 @ 60 Degrees F = 29

