

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

8/17/10

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34318  
Name: Berexco LLC  
Address 1: P.O. Box 20380  
Address 2: \_\_\_\_\_  
City: Wichita State: KS Zip: 67208 + 1380  
Contact Person: Bruce Meyer  
Phone: ( 316 ) 265-3311  
CONTRACTOR: License # 34317  
Name: Beredco LLC  
Wellsite Geologist: Bryan Bynog  
Purchaser: Central Crude Corporation

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 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.  Conv. to SWD  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Docket No.: \_\_\_\_\_  
 Dual Completion Docket No.: \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_  
06 June 2010      14 June 2010      09 July 2010  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 15-141-20413-0000  
Spot Description: \_\_\_\_\_  
S/2 NE NW Sec. 34 Twp. 9 S. R. 15  East  West  
990 Feet from  North /  South Line of Section  
1980 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Osborne  
Lease Name: Winder Well #: 1  
Field Name: Wildcat  
Producing Formation: Lansing/KS City  
Elevation: Ground: 1987' Kelly Bushing: 1998'  
Total Depth: 3840' Plug Back Total Depth: 3755'  
Amount of Surface Pipe Set and Cemented at: 282 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1241 Feet  
If Alternate II completion, cement circulated from: 1241  
feet depth to: surface w/ 350 sx cmt.

Drilling Fluid Management Plan Alt II NO 8-2010  
(Data must be collected from the Reserve Pit)  
Chloride content: 16,000 ppm Fluid volume: 400 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.: \_\_\_\_\_

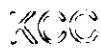
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: Richard R. Smith  
Title: Engineering Technician Date: 16 August, 2010  
Subscribed and sworn to before me this 16<sup>th</sup> day of August  
20 10  
Notary Public: Diana E. Bell  
Date Commission Expires: Aug 10, 2011

DIANA E. BELL  
Notary Public - State of Kansas  
My Appt. Expires 8-10-11

KCC Office Use ONLY  
 Letter of Confidentiality Received 8/17/10 - 8/17/10  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
RECEIVED  
AUG 18 2010

KCC WICHITA



Operator Name: Berexco LLC Lease Name: Winder Well #: 1

Sec. 34 Twp. 9 S. R. 15  East  West County: Osborne

~~CONFIDENTIAL~~

**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: Borehole Compensated Sonic, Radiation Guard & Microresistivity Log (e-mailed to: kcc-well-logs@kcc.ks.gov)	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3155'</td> <td>(-1157')</td> </tr> <tr> <td>Toronto</td> <td>3178'</td> <td>(-1180')</td> </tr> <tr> <td>Lansing A</td> <td>3212'</td> <td>(-1210')</td> </tr> <tr> <td>Altamont</td> <td>3506'</td> <td>(-1508')</td> </tr> <tr> <td>Cherokee</td> <td>3590'</td> <td>(-1592')</td> </tr> <tr> <td>Viola</td> <td>5367'</td> <td>(-3252')</td> </tr> <tr> <td>Arbuckle</td> <td>3740'</td> <td>(-1742')</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	3155'	(-1157')	Toronto	3178'	(-1180')	Lansing A	3212'	(-1210')	Altamont	3506'	(-1508')	Cherokee	3590'	(-1592')	Viola	5367'	(-3252')	Arbuckle	3740'	(-1742')
Name	Top	Datum																							
Heebner	3155'	(-1157')																							
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Viola	5367'	(-3252')																							
Arbuckle	3740'	(-1742')																							

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"	24#	282'	Common	200	2% gel
Production	7 7/8"	5 1/2"	14#	3839'	Common	250	10% salt, 2% gel
DV Tool				1241'	60/40 POZ	350	6% gel, 1/4# floeal

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	3232'-38' Lansing "B"	5900 gallons 15% NEFE	3232-3388
4 SPF	3252'-56' Lansing "C"	650 # 50/50 plugging agent	3232-3388
4 SPF	3306'-12' Lansing "G"		
4 SPF	3371'-78' Lansing "I"		
4 SPF	3386'-88' Lansing "J"		

TUBING RECORD: Size: <u>2 3/8"</u>		Set At: <u>SN @ 3747'</u>		Packer At: <u>no packer</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>14 July, 2010</u>			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. <u>42</u>	Gas Mcf <u>TSTM</u>	Water Bbls. <u>83</u>	Gas-Oil Ratio <u>N/A</u>	Gravity <u>40° API</u>		

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3232' - 3377'</u>
--	---	--

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

AUG 18 2010  
 RECEIVED  
 KCC WICHITA

# ALLIED CEMENTING CO., LLC. 041719

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

SERVICE POINT:

Russell

KCC  
AUG 17 2010

DATE <u>6-15-10</u>	SEC. <u>34</u>	TWP. <u>9</u>	RANGE <u>15</u>	CALLED OUT <u>XXXXXXXXXX</u>	ON LOCATION	JOB START <u>4:30 a.m.</u>	JOB FINISH <u>5:00 a.m.</u>
LEASE <u>Winder</u>		WELL # <u>1</u>		LOCATION <u>Matema 4 1/2 E 15 1/2 E S 10</u>		COUNTY <u>Edgar</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Boeckel #10

TYPE OF JOB DV Job

HOLE SIZE 7/8 T.D. 3840

CASING SIZE 5 1/2 147 DEPTH 3839

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL DV Tool DEPTH 1240

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 83.24

CEMENT LEFT IN CSG. 83.24

PERFS. \_\_\_\_\_

DISPLACEMENT B= 9 1/4 ABC T= 30 1/4 BC

EQUIPMENT

PUMP TRUCK CEMENTER Craig

# 398 HELPER Paul

BULK TRUCK \_\_\_\_\_

# 410 DRIVER Glenn

BULK TRUCK \_\_\_\_\_

# 481 DRIVER Ben

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 250 Com 10% Salt 2 1/2 Gel

500 gal WFR-2

350 6 3/4 6% Gel 4 1/2 Flo

COMMON	<u>250</u>	@	<u>13.50</u>	<u>3375.00</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>20.25</u>	<u>101.25</u>
CHLORIDE		@		
ASC		@		
<u>Salt</u>	<u>11</u>	@	<u>21.25</u>	<u>233.75</u>
<u>Lite 350</u>		@	<u>11.85</u>	<u>4147.50</u>
<u>WFR-2 500</u>		@	<u>1.10</u>	<u>550.00</u>
<u>Flo Seal 87</u>		@	<u>2.45</u>	<u>213.15</u>
		@		
		@		
		@		
HANDLING	<u>300</u>	@	<u>2.25</u>	<u>675.00</u>
MILEAGE	<u>110/16/mile</u>			<u>600.00</u>
TOTAL				<u>9895.65</u>

REMARKS:

Pipe set @ 3839 Insert set @ 3753

Pump seal w/ WFR-2 start 250 gal cement

Displace Plug - Plug landed 1800 psi + hold. Release

Pressure Dry

Grathole 300k Mousehole 155k - MHW 300k

Cement Circulated

Plug landed 1800 psi + hold. Release Pressure

Dry

Thanks!

CHARGE TO: Boeckel

STREET \_\_\_\_\_

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

To Allied Cementing Co., LLC.

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

PRINTED NAME \_\_\_\_\_

SIGNATURE Robert Grant

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 1957.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 20 @ 7.00 140.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

RECEIVED \_\_\_\_\_ @ \_\_\_\_\_

AUG 18 2010

TOTAL 2097.00

KCC WICHITA

PLUG & FLOAT EQUIPMENT

<u>5/2 AFU Flat shoe</u>		<u>214.00</u>
<u>DV Tool</u>	@	<u>2832.00</u>
<u>12 Turbolizers</u>	@	<u>42.00</u>
<u>3 BASKETS</u>	@	<u>161.00</u>
	@	
	@	
TOTAL		<u>4033.00</u>

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

TOTAL CHARGES 4033.00

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

# ALLIED CEMENTING CO., LLC. 041616

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

SURFACE PIPT  
SERVICE POINT:  
Russell KS

KCC  
AUG 17 2010  
KANSAS

DATE <u>6-7-10</u>	SEC. <u>9</u>	TWP. <u>34</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00am</u>	JOB FINISH <u>4:30am</u>
LEASE <u>Winder</u>	WELL # /	LOCATION <u>Natoma KS 4 North on CR</u>			COUNTY <u>Osborne</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>657 1 East 1 South 1/2 East South into</u>					

CONTRACTOR Beredco Rig #10

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 282

CASING SIZE 8 5/8 20# DEPTH 282

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 17 Bbl

EQUIPMENT

OWNER

CEMENT

AMOUNT ORDERED 200 cum 3% cc 2 1/2 Gel

COMMON	<u>200</u>	@	<u>13.50</u>	<u>2700.00</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>20.25</u>	<u>81.00</u>
CHLORIDE	<u>7</u>	@	<u>51.50</u>	<u>360.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>200</u>	@	<u>2.25</u>	<u>450.00</u>
MILEAGE	<u>110/12/mile</u>			<u>400.00</u>
				TOTAL <u>3991.50</u>

PUMP TRUCK CEMENTER John Roberts

# 417 HELPER Glenn

BULK TRUCK

# 378 DRIVER Ron

BULK TRUCK

# DRIVER

REMARKS:

Est. Circulation

Mix 200 sk cement

Displace w/ 17 Bbl H2O

Cement Did Circulate!

CHARGE TO: Berexco Inc.

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 991.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 20 @ 7.00 140.00

MANIFOLD @ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

RECEIVED

AUG 18 2010

TOTAL 1131.00

KCC WICHITA  
PLUG & FLOAT EQUIPMENT

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL \_\_\_\_\_

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

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

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

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

PRINTED NAME \_\_\_\_\_

SIGNATURE [Signature]

**BEREXCO, LLC.  
WINDER #1  
S2 NENW SECTION 34-9S-R15W  
OSBORNE COUNTY, KANSAS**

KCC  
AUG 17 2010  
CONFIDENTIAL

**GEOLOGIST  
WILLIAM B. BYNOG**

RECEIVED  
AUG 11 2010  
KCC WICHITA

## RESUME

OPERATOR: BEREXCO, INC.

WELL NAME & NUMBER: WINDER # 1

LOCATION: S2 NENW SECTION 34 9S-R15W

COUNTY: OSBORNE

STATE: KANSAS

SPUD DATE: 6-6-2010 COMPLETION DATE: 6-14-2010

ELEVATIONS: GL: 1987' KB: 1998'

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: RAG & MICROLOG

WELLSITE ENGINEER: NONE

MUD COMPANY: ANDY'S MUD

MUD TYPE & ENGINEER: FRESH CHEMICAL

GEOLOGIST: WILLIAM B. BYNOG

HOLE SIZE: 7 7/8

MUD LOGGING BY: NONE

DRILL STEM TEST COMPANY: TRILOBITE

DRILL STEM TEST: DST#1 3180-3250, DST#2 3245-3325,  
DST#3 3328-3410, DST#4 3406-3473

WELL STATUS: SET PRODUCTION PIPE

## FORMATION TOPS

FORMATION	DEPTH (LOGS)
STONE CORRAL	1218(+780)
BASE	1252(+746)
TOPEKA	2920(-922)
PLATTSMOUTH	3122(-1124)
HEEBNER	<del>3155 3982(-977)</del> (-1157)
TORONTO	3178(-1180)
LANSING A	3212(-1210)
B ZONE	3232(-1234)
C ZONE	3250(-1252)
D ZONE	
E ZONE	3278(-1282)
G ZONE	3296(-1298)
H ZONE	3344(-1346)
I ZONE	3369(-1371)
J ZONE	3386(-1388)
K ZONE	3424(-1426)
L ZONE	3450(-1450)
ALTAMONT	3506(-1508)
CHEROKEE	3590(-1592)
VIOLA	3642(-1644)
ARBUCKLE	3740(-1742)

BEREDCO RIG # 10 DRILLING 7 7/8 HOLE  
WINDER SAMPLES DESCRIPTIONS

WINDER # 1 SAMPLE DESCRIPTIONS

ANHYDRITE 1216(+782) S

1218(+780) L

BASE 1252(+746) S

1252(+746) L

WINDER # 1 SAMPLE

DESCRIPTIONS

2850-60 LIMESTONE buff,hard,dense,slightly argillaceous

2860-90 SHALE red,gray,green,soft to firm, argillaceous

2890-2910 LIMESTONE buff,tan,hard,dense

2910-20 SHALE as above

TOPEKA

2920-45 LIMESTONE buff,very hard,dense,crp toxln

2945-50 SHALE as above

35' ZONE

2950-55 LIMESTONE tan,firm,chalky, microsuc texture,fossils,pr to fair interxln  
porosity,pr vuggy porosity, even btn stain,good cut, good odor,fair show free oil

2955-80 LIMESTONE buff,gray,very hard,dense, argillaceous,crptoxln / thin interbed  
SHALE green,firm,fissile,argillaceous



WINDER SAMPLES DESCRIPTIONS

2980-90 LIMESTONE gray,very fossils,firm, argillaceous,fair porosity,no shows

2990-3020 LIMESTONE buff,hard,fossils,argillaceous, pr porosity,no shows

3020-40 SHALE gray,green,firm,argillaceous

3040-50 LIMESTONE white,buff,very hard,dense,crpxln,abundant Chert white,trace pr  
poor to poor vuggy porosity,very spotty stain,good cut,fair odor,show free oil

3050-80 LIMESTONE white,buff,very hard,dense, abundant Chert white

3080-90 SHALE black,firm,carbonaceous

3090-3100 LIMESTONE gray,firm,fossils,dirty, poor porosity,no shows

3100-20 LIMESTONE buff,very hard,dense

PLATTSMOUTH

3120-50 LIMESTONE white,buff,firm,slightly fossils,chalky,pr vis porosity,no  
shows,abundant Chert gray

▷ 3150-55 SHALE black,firm,carbonaceous  
HEEBNER

3155-60 LIMESTONE buff,very hard,very dense, abundant Chert gray

3160-75 SHALE gray,green,firm,silty, dism pyrite

TORONTO

3175-90 LIMESTONE buff,very hard,dense, crptoxln,abundant Chert white,no shows

3190-3210 SHALE green,soft,very argillaceous,some silty

WINDER SAMPLES DESCRIPTIONS

LANSING A

3210-20 LIMESTONE buff,very hard,dense,crp toxln,no shows

3220-30 SHALE var color,soft,argillaceous

B ZONE

3230-40 LIMESTONE buff,slightly hard,oolites, slightly chalky,microsuc texture,fair to trace moldic porosity, spotty brown stain,good cut,faint odor,slightly show free oil

3240-50 LIMESTONE buff,very hard,dense, crpxln,no shows

3250-55 SHALE as above

C ZONE

3255-65 LIMESTONE buff,hard,dense,no shows / thin interbedded SHALE as above

3265-80 SHALE var color as above

E ZONE

3280-85 LIMESTONE buff,very hard,dense, trace oolites,pr moldic porosity,very spotty stain,poor cut

3285-90 SHALE as above

G ZONE

3290-3300 LIMESTONE buff,very hard,dense, no shows

3300-10 LIMESTONE white,firm,very oolites,fair to good moldic porosity,spotty brown stain,good cut,faint odor,pr show free oil

3310- 35 LIMESTONE buff,very hard,dense,crptoxln,no shows

WINDER SAMPLES DESCRIPTIONS

3335-50 SHALE green,gray,some red,firm,argillaceous

H ZONE

3345-55 LIMESTONE buff,firm,fnly crystalline,chalky,slightly oolites,pr oomoldic porosity,no shows

3355-60 LIMESTONE buff,very hard,very dense,trace Chert gray,white,tan

3360-70 SHALE as above

3370-75 LIMESTONE white,buff,firm,fnly crystalline,oolites,slightly chalky,pr moldic porosity,very spotty stain,good cut,faint odor

3375-80 LIMESTONE buff,very hard,dense

3380-85 SHALE gray,green,firm,argillaceous

I ZONE

3385-90 LIMESTONE buff,very hard,dense,trace pr oomoldic porosity,very spotty,poor cut

3390-3400 LIMESTONE buff,slightly hard,slightly oolites,microsuc,fair interxln and vuggy porosity,spotty stain,good cut,strng odor,fair show free oil

3410-15 LIMESTONE buff,very hard,very dense

3415-20 SHALE black,green,carbonaceous

K ZONE

3420-25 LIMESTONE buff,slightly hard,slightly oolites, micsuc texture,pr to fair vuggy porosity,even brown stain,good cut

3425-35 LIMESTONE buff,very hard,very dense, crptoxln

WINDER SAMPLES DESCRIPTIONS

3435-50 SHALE black, green, firm, carbonaceous

L ZONE

3450-65 LIMESTONE buff, very hard, dense/ trace LIMESTONE buff, slightly hard, slightly oolites, pr to fair poor to poor vuggy porosity, spotty brown stain, fair cut

3465-80 SHALE black, green, carbonaceous

3480-90 LIMESTONE buff, very hard, dense, crp toxln

3490-3505 SHALE green, red, some black, argillaceous, carbonaceous

ALTAMONT

3505-10 LIMESTONE buff, very hard, dense

3510-20 SHALE red, very soft, very argillaceous

3520-30 LIMESTONE buff, very hard, dense

3530-35 SHALE green, red, soft, very argillaceous, some black, carbonaceous

3535-45 LIMESTONE buff, buff, very hard, dense, some sandy, chalky, no shows/ trace Chert black

3545-60 LIMESTONE as above

3560-70 SHALE as above / abundant Chert white, tan

3570-78 LIMESTONE as above buff, very hard, dense

3578-85 SANDSTONE translucent, pale yell, friable, m to cgr, sbrnd to angular, psrtd, pr vis porosity, calcareous cement, no shows

CHEROKEE

## WINDER SAMPLES DESCRIPTIONS

3585-3610 SHALE very color, soft, argillaceous / abundant chert yell, red, orange

3610-20 SHALE and CHERT as above / very thin interbedded SANDSTONE translucent, hard, m to coarse grained, sbang to angular, psrtd, pr porosity, dense calcareous cement, no shows

3620-50 SHALE and very abundant CHERT as above / trace SANDSTONE as above, pr porosity, no shows

VIOLA

3650-60 LIMESTONE buff, hard, dolomitic, slightly sandy, chalky, pr porosity, no shows / abundant chert as above

3660-80 DOLOMITE buff, hard, microsuc, limy, pr porosity, no shows abundant chert white, tan

3580-95 DOLOMITE as above becoming very sandy, pr porosity, no shows abundant chert as above, tan, maroon

3695-3710 DOLOMITE white, buff, chalky, limy, abundant chert as above

3710-20 LIMESTONE tan, very hard, dense, crpto crystalline, abundant chert as above

3720-30 SHALE ble, hard, smooth texture, fissile / thin interbedd LIMESTONE buff, very hard, dense / abundant chert as above

3730-50 SANDSTONE translucent, firm, fine to cgr, sub angular to rounded, pstrd, fair intergr porosity, calcareous cement, no shows / interbedded SHALE as above

ARBUCKLE

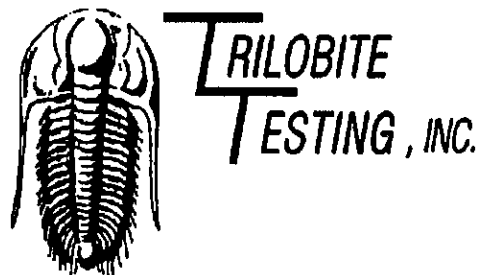
3750-80 DOLOMITE buff, slightly hard, microsuc texture, fair interxln porosity, no shows / abundant chert yell. white some sandy

3780-3830 DOLOMITE as above microsuc to sucrosic texture, fair to gd porosity, no shows / abundant chert as above

WINDER SAMPLES DESCRIPTIONS

RTD 3830'

LTD 3840'



## DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

PO Box 20380  
Wichita KS 67208

ATTN: Bryan Bynog

**34 9S 15W Osborn KS**

**Winder #1**

Start Date: 2010.06.10 @ 16:35:59

End Date: 2010.06.11 @ 01:23:29

Job Ticket #: 38600          DST #: 1

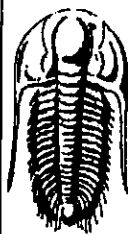
KCC  
AUG 11 2010  
CONFIDENTIAL

RECEIVED

AUG 18 2010

KCC WICHITA

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Berexco LLC

**Winder #1**

PO Box 20380  
Wichita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38600      DST#: 1

ATTN: Bryan Bynog

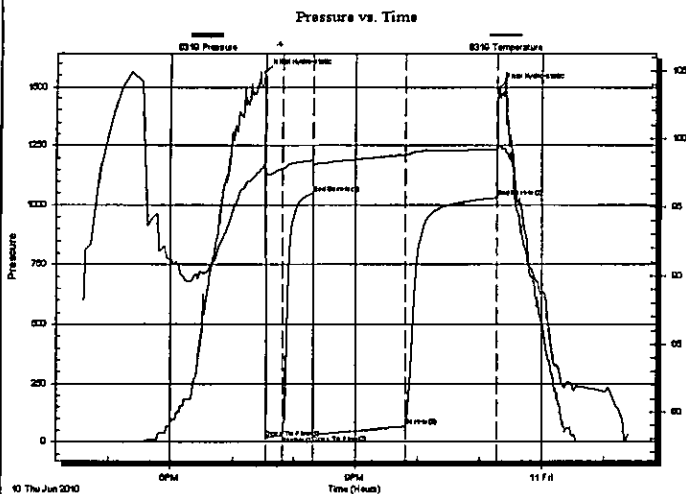
Test Start: 2010.06.10 @ 16:35:59

### GENERAL INFORMATION:

Formation: **KC"A,B"**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 19:32:59  
 Time Test Ended: 01:23:29  
 Interval: **3180.00 ft (KB) To 3250.00 ft (KB) (TVD)**  
 Total Depth: **3250.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition:                      KB to GR/CF: **11.00 ft**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Brett Dickinson**  
 Unit No: **47**  
 Reference Elevations: **1998.00 ft (KB)**  
**1987.00 ft (CF)**

**Serial #: 8319**      Inside  
 Press@RunDepth: **65.68 psig @ 3184.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.06.10**      End Date: **2010.06.11**      Last Calib.: **2010.06.11**  
 Start Time: **16:36:04**      End Time: **01:23:29**      Time On Btm: **2010.06.10 @ 19:31:29**  
 Time Off Btm: **2010.06.10 @ 23:18:28**

TEST COMMENT: IF-1/4in blow  
 IS-No blow  
 FF-Weak surface blow  
 FSI-No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.79	98.08	Initial Hydro-static
2	18.07	97.62	Open To Flow (1)
17	26.75	97.79	Shut-In(1)
47	1048.54	98.43	End Shut-In(1)
48	28.44	97.92	Open To Flow (2)
137	65.68	98.80	Shut-In(2)
225	1030.56	99.25	End Shut-In(2)
227	1497.20	99.41	Final Hydro-static

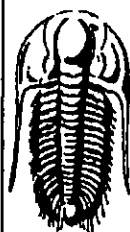
### Recovery

Length (ft)	Description	Volume (bbl)
20.00	VSOCM 2%O 98%M	0.10
60.00	Mud	0.30

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Berexco LLC

**Winder #1**

PO Box 20380  
Wichita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38600

**DST#: 1**

ATTN: Bryan Bynog

Test Start: 2010.06.10 @ 16:35:59

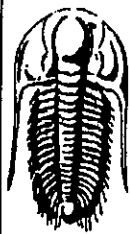
## Tool Information

Drill Pipe:	Length: 2788.00 ft	Diameter: 3.34 inches	Volume: 30.21 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 32.04 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3180.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	97.00 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			3154.00	
Shut In Tool	5.00			3159.00	
Hydraulic tool	5.00			3164.00	
Jars	4.00			3168.00	
Safety Joint	3.00			3171.00	
Packer	4.00			3175.00	27.00 Bottom Of Top Packer
Packer	5.00			3180.00	
Stubb	1.00			3181.00	
Perforations	3.00			3184.00	
Recorder	0.00	8319	inside	3184.00	
Recorder	0.00	6719	inside	3184.00	
Change Over Sub	1.00			3185.00	
Drill Pipe	61.00			3246.00	
Change Over Sub	1.00			3247.00	
Bullnose	3.00			3250.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 97.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Berexco LLC

**Winder #1**

PO Box 20380  
Wchita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38600      **DST#: 1**

ATTN: Bryan Bynog

Test Start: 2010.06.10 @ 16:35:59

**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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.57 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

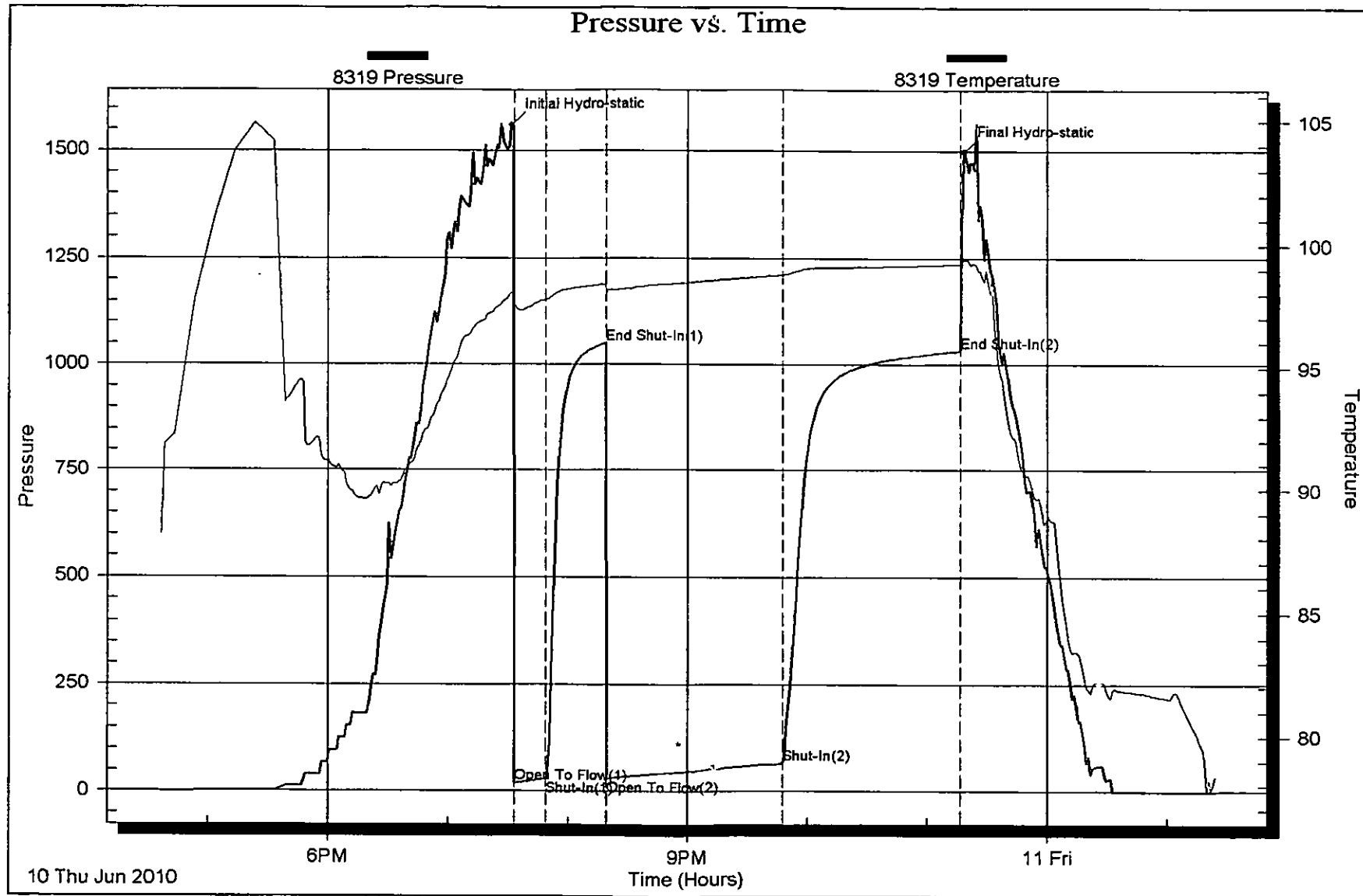
Length ft	Description	Volume bbl
20.00	VSOCM 2%O 98%M	0.098
60.00	Mud	0.295

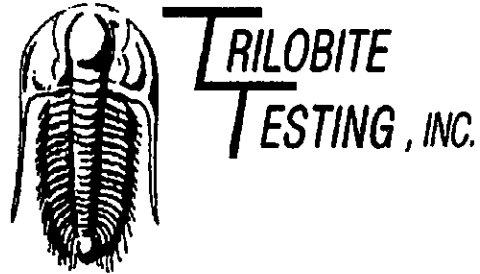
Total Length: 80.00 ft      Total Volume: 0.393 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

PO Box 20380  
Wichita KS 67208

ATTN: Bryan Bynog

**34 9S 15W Osborn KS**

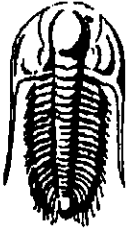
**Winder #1**

Start Date: 2010.06.11 @ 10:52:25

End Date: 2010.06.11 @ 19:48:55

Job Ticket #: 38751                      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

Berexco LLC

PO Box 20380  
Wichita KS 67208

ATTN: Bryan Bynog

**Winder #1**

**34 9S 15W Osborn KS**

Job Ticket: 38751

**DST#: 2**

Test Start: 2010.06.11 @ 10:52:25

## GENERAL INFORMATION:

Formation: **KC"C-G'**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 13:11:55  
 Time Test Ended: 19:48:55

Test Type: **Conventional Bottom Hole**  
 Tester: **Brett Dickinson**  
 Unit No: **47**

Interval: **3245.00 ft (KB) To 3325.00 ft (KB) (TVD)**  
 Total Depth: **3325.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **1998.00 ft (KB)**  
**1987.00 ft (CF)**  
**KB to GR/CF: 11.00 ft**

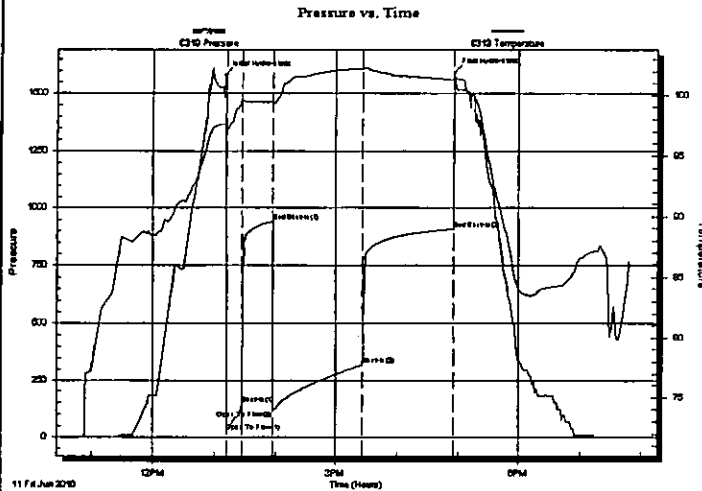
**Serial #: 8319**

**Inside**

Press@RunDepth: **320.18 psig @ 3249.00 ft (KB)**  
 Start Date: **2010.06.11** End Date: **2010.06.11**  
 Start Time: **10:52:30** End Time: **19:48:55**

Capacity: **8000.00 psig**  
 Last Calib.: **2010.06.11**  
 Time On Btrm: **2010.06.11 @ 13:09:55**  
 Time Off Btrm: **2010.06.11 @ 16:56:24**

**TEST COMMENT:** IF-BOB in 13min  
 IS-No blow  
 FF-BOB in 13min  
 FS-2.5in blow died back to 1.75in blow



## PRESSURE SUMMARY

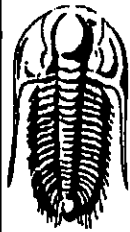
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.78	97.69	Initial Hydro-static
2	26.56	97.22	Open To Flow (1)
17	144.39	99.45	Shut-In (1)
47	943.70	99.48	End Shut-In (1)
48	116.32	99.26	Open To Flow (2)
137	320.18	102.22	Shut-In (2)
226	909.76	101.32	End Shut-In (2)
227	1596.38	101.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	Water	1.48
180.00	SMCW 90%W 10%M	1.52
60.00	SGOWCM 5%G 5%O 30%W 60%M	0.65
60.00	GWOCM 20%G 10%O 5%W 65%M	0.65
60.00	GMCO 40%G 30%O 30%M	0.65
0.00	240ft GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Berexco LLC  
 PO Box 20380  
 Wichita KS 67208  
 ATTN: Bryan Bynog

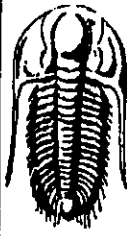
**Winder #1**  
**34 9S 15W Osborn KS**  
 Job Ticket: 38751      DST#: 2  
 Test Start: 2010.06.11 @ 10:52:25

**Tool Information**

Drill Pipe:	Length: 2880.00 ft	Diameter: 3.34 inches	Volume: 31.21 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 33.04 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3245.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	107.00 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			3219.00	
Shut In Tool	5.00			3224.00	
Hydraulic tool	5.00			3229.00	
Jars	4.00			3233.00	
Safety Joint	3.00			3236.00	
Packer	4.00			3240.00	27.00      Bottom Of Top Packer
Packer	5.00			3245.00	
Stubb	1.00			3246.00	
Perforations	3.00			3249.00	
Recorder	0.00	8319	Inside	3249.00	
Recorder	0.00	6719	Inside	3249.00	
Change Over Sub	1.00			3250.00	
Drill Pipe	61.00			3311.00	
Change Over Sub	1.00			3312.00	
Perforations	10.00			3322.00	
Bullnose	3.00			3325.00	80.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>107.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Berexco LLC

**Winder #1**

PO Box 20380  
Wchita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38751

**DST#: 2**

ATTN: Bryan Bynog

Test Start: 2010.06.11 @ 10:52:25

**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:

92000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
300.00	Water	1.475
180.00	SMCW 90%W 10%M	1.524
60.00	SGOWCM 5%G 5%O 30%W 60%M	0.650
60.00	GWOCM 20%G 10%O 5%W 65%M	0.650
60.00	GMCO 40%G 30%O 30%M	0.650
0.00	240ft GIP	0.000

Total Length: 660.00ft      Total Volume: 4.949 bbf

Num Fluid Samples: 0

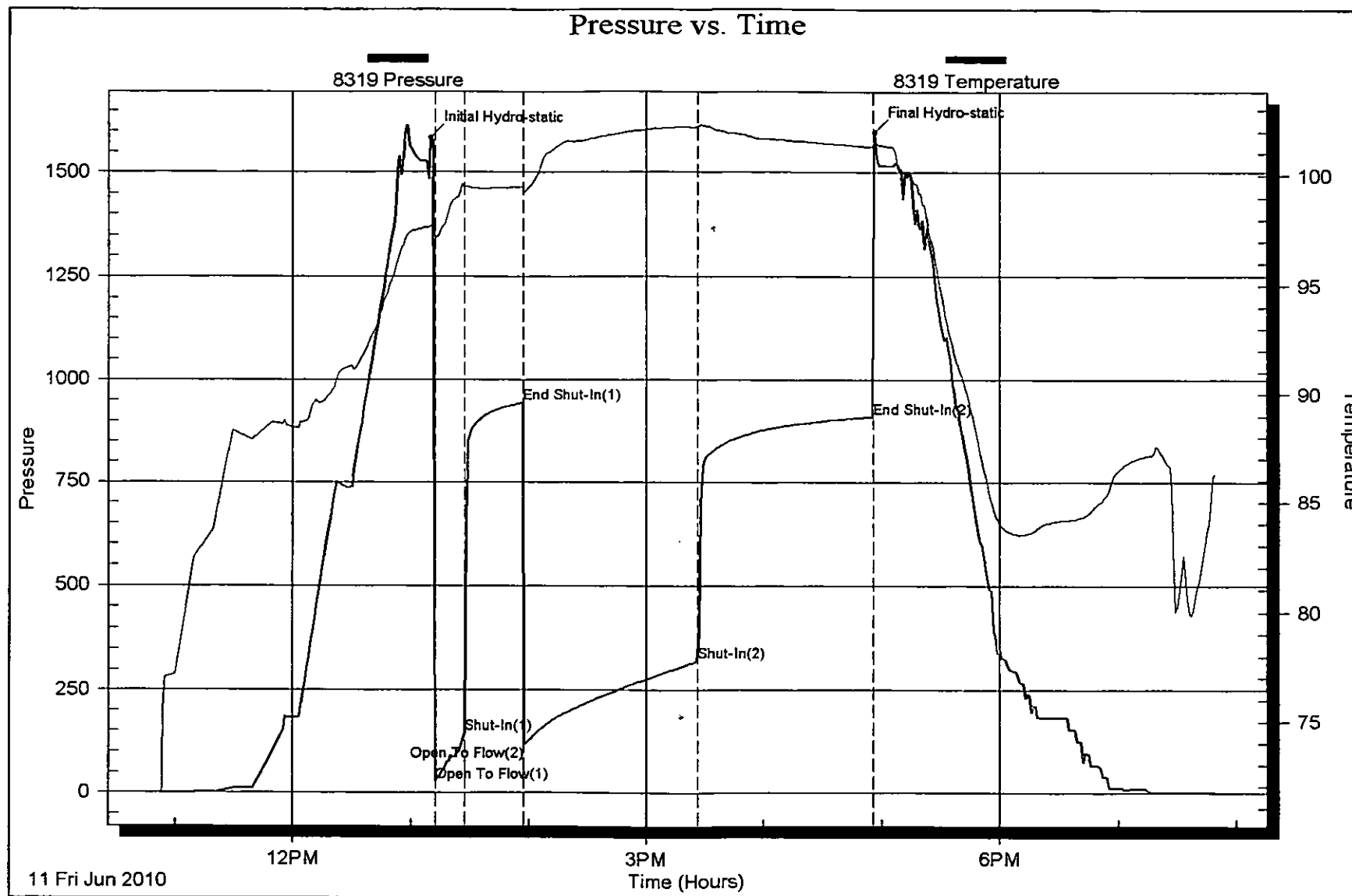
Num Gas Bombs: 0

Serial #:

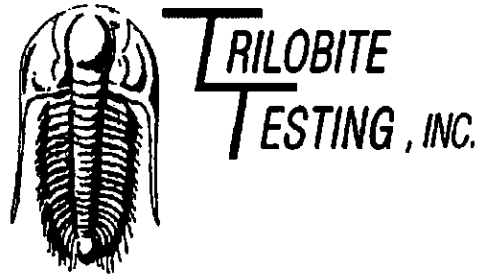
Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

PO Box 20380  
Wichita KS 67208

ATTN: Bryan Bynog

**34 9S 15W Osborn KS**

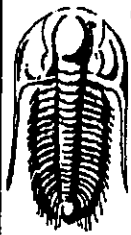
**Winder #1**

Start Date: 2010.06.12 @ 07:05:24

End Date: 2010.06.12 @ 15:32:24

Job Ticket #: 38752                      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

Berexco LLC

**Winder #1**

PO Box 20380  
Wichita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38752

**DST#: 3**

ATTN: Bryan Bynog

Test Start: 2010.06.12 @ 07:05:24

### GENERAL INFORMATION:

Formation: **KC"h,i,j"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:36:24

Time Test Ended: 15:32:24

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: **3328.00 ft (KB) To 3410.00 ft (KB) (TVD)**

Reference Elevations: 1998.00 ft (KB)

Total Depth: 3410.00 ft (KB) (TVD)

1987.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 11.00 ft

**Serial #: 8319**

Inside

Press@RunDepth: 296.24 psig @ 3334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.12

End Date: 2010.06.12

Last Calib.: 2010.06.12

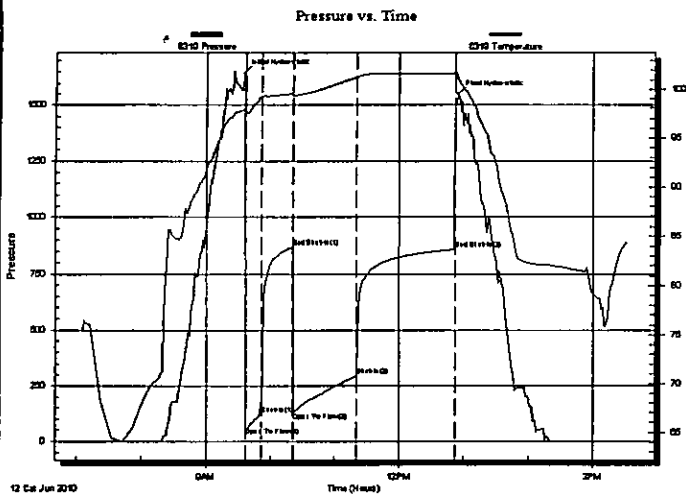
Start Time: 07:05:29

End Time: 15:32:23

Time On Btm: 2010.06.12 @ 09:34:54

Time Off Btm: 2010.06.12 @ 12:53:54

**TEST COMMENT:** IF-BOB in 8min  
IS- No blow  
FF-BOB in 10min  
FSI-1.5in blow died back to .5in blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1645.16	97.82	Initial Hydro-static
2	26.84	97.49	Open To Flow (1)
17	121.13	99.21	Shut-In(1)
46	867.38	99.51	End Shut-In(1)
47	130.48	99.34	Open To Flow (2)
106	296.24	101.21	Shut-In(2)
197	859.42	101.58	End Shut-In(2)
199	1552.24	101.13	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
420.00	GMCW 30%G 60%W 10%M	2.35
60.00	GWCM 30%G 10%W 60%M	0.65
60.00	OCM 5%G 20%O 75%M	0.65
60.00	MCO 5%G 60%O 35%M	0.65
30.00	GO 20%G 80%O	0.33
0.00	GIP 330ft	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Berexco LLC

**Winder #1**

PO Box 20380  
Wichita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38752

**DST#: 3**

ATTN: Bryan Bynog

Test Start: 2010.06.12 @ 07:05:24

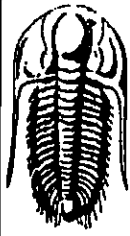
## Tool Information

Drill Pipe:	Length: 2967.00 ft	Diameter: 3.34 inches	Volume: 32.15 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 33.98 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3328.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	102.00 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			3309.00	
Shut In Tool	5.00			3314.00	
Hydraulic tool	5.00			3319.00	
Packer	4.00			3323.00	20.00 Bottom Of Top Packer
Packer	5.00			3328.00	
Stubb	1.00			3329.00	
Perforations	5.00			3334.00	
Recorder	0.00	8319	Inside	3334.00	
Recorder	0.00	6719	Inside	3334.00	
Change Over Sub	1.00			3335.00	
Drill Pipe	61.00			3396.00	
Change Over Sub	1.00			3397.00	
Perforations	10.00			3407.00	
Bullnose	3.00			3410.00	82.00 Bottom Packers & Anchor

**Total Tool Length: 102.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Berexco LLC

**Winder #1**

PO Box 20380  
Wichita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38752

**DST#: 3**

ATTN: Bryan Bynog

Test Start: 2010.06.12 @ 07:05:24

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

84000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohmm

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
420.00	GMCV 30%G 60%W 10%M	2.350
60.00	GWCM 30%G 10%W 60%M	0.650
60.00	OCM 5%G 20%O 75%M	0.650
60.00	MCO 5%G 60%O 35%M	0.650
30.00	GO 20%G 80%O	0.325
0.00	GIP 330ft	0.000

Total Length: 630.00 ft

Total Volume: 4.625 bbl

Num Fluid Samples: 0\*

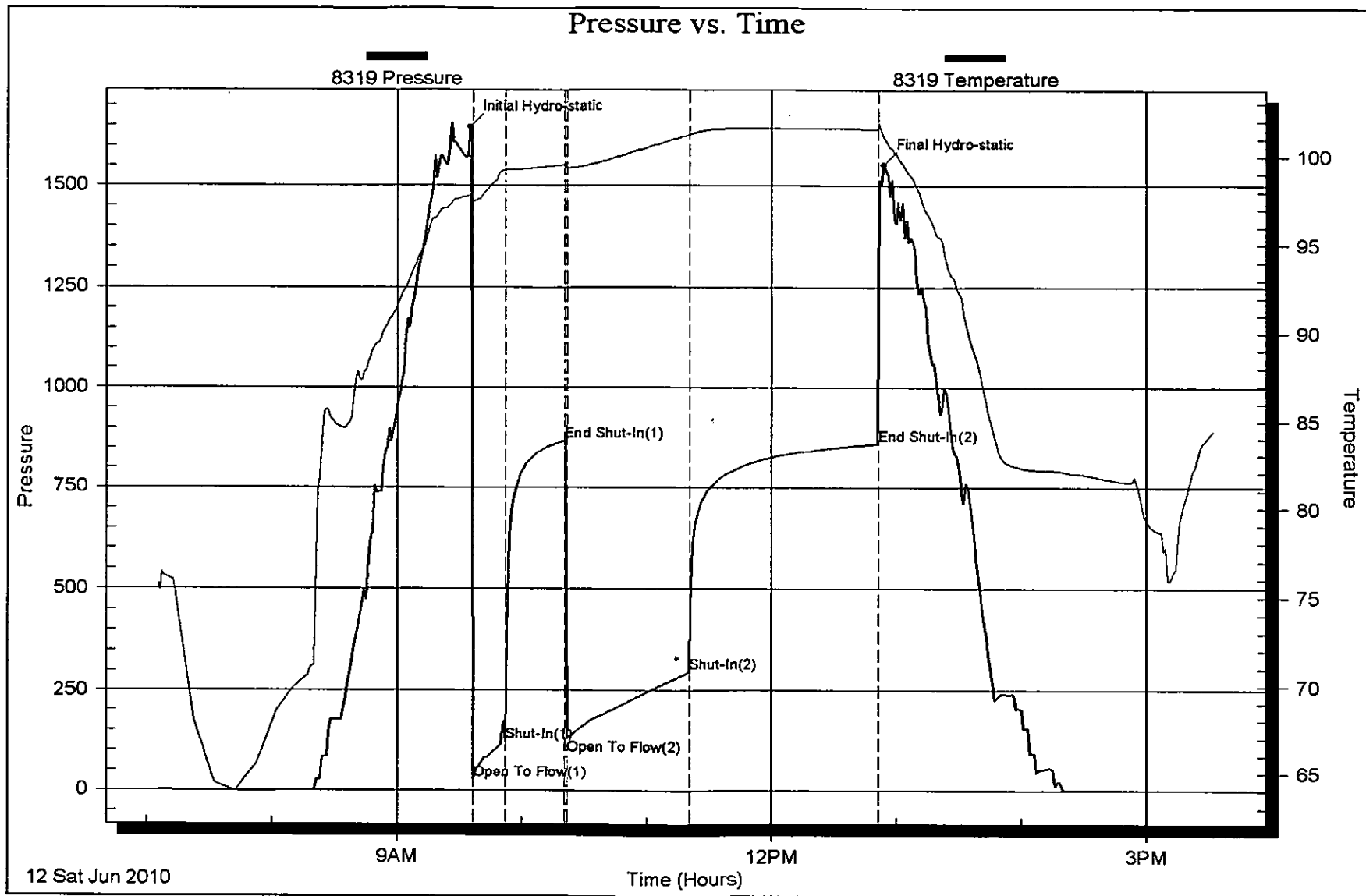
Num Gas Bombs: 0

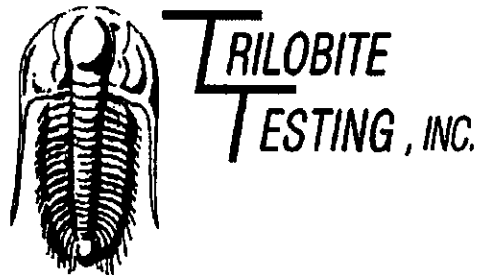
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

PO Box 20380  
Wichita KS 67208

ATTN: Bryan Bynog

**34 9S 15W Osborn KS**

**Winder #1**

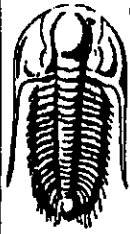
Start Date: 2010.06.13 @ 00:35:17

End Date: 2010.06.13 @ 09:05:47

Job Ticket #: 38753                      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

**TOOL DIAGRAM**

Berexco LLC

**Winder #1**

PO Box 20380  
Wichita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38753

**DST#: 4**

ATTN: Bryan Bynog

Test Start: 2010.06.13 @ 00:35:17

**Tool Information**

Drill Pipe:	Length: 3020.00 ft	Diameter: 3.34 inches	Volume: 32.73 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 34.56 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3406.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

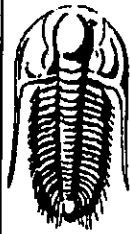
Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3387.00	
Shut In Tool	5.00			3392.00	
Hydraulic tool	5.00			3397.00	
Packer	4.00			3401.00	20.00 Bottom Of Top Packer
Packer	5.00			3406.00	
Stubb	1.00			3407.00	
Perforations	29.00			3436.00	
Recorder	0.00	8319	Inside	3436.00	
Recorder	0.00	6719	Inside	3436.00	
Change Over Sub	1.00			3437.00	
Drill Pipe	32.00			3469.00	
Change Over Sub	1.00			3470.00	
Bullnose	3.00			3473.00	67.00 Bottom Packers & Anchor

**Total Tool Length: 87.00**





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Berexco LLC

**Winder #1**

PO Box 20380  
Wichita KS 67208

**34 9S 15W Osborn KS**

Job Ticket: 38753

**DST#: 4**

ATTN: Bryan Bynog

Test Start: 2010.06.13 @ 00:35:17

**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: 8.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	MUD	0.025

Total Length: 5.00ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

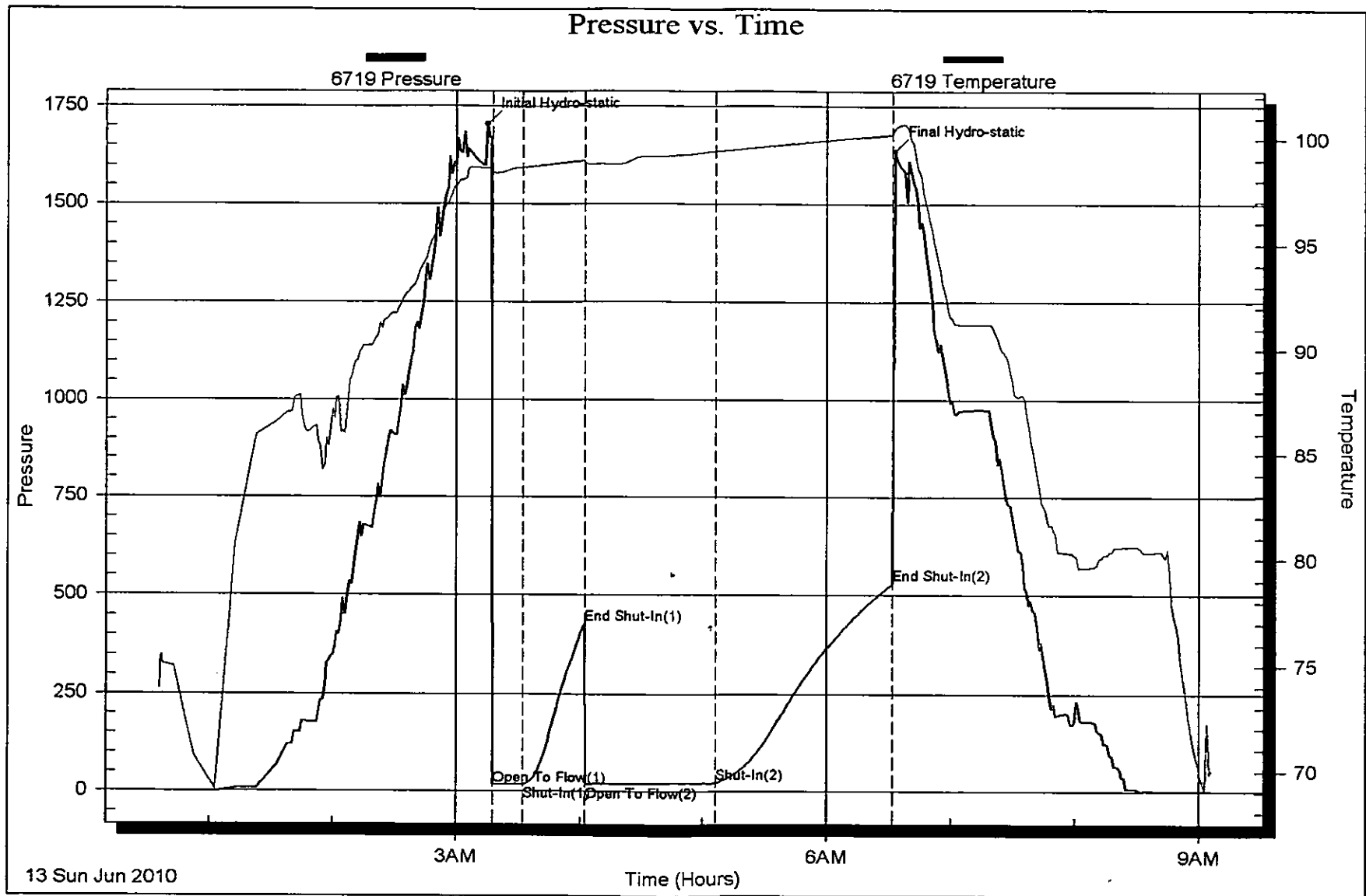
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



13 Sun Jun 2010