



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1235981
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: _____

1235981

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Deyle 1-10
Doc ID	1235981

Tops

Name	Top	Datum
Dakota	1980	+1143
Cheyenne	2626	+497
Blaine	2920	+203
Stone Corral Anhydrite	3064	+59
Anhydrite (base)	3098	+25
Chase Limestone	3264	-141
Neva	3521	-398
Red Eagle	3590	-467
Foraker	3633	-510
Wabaunsee	3790	-667
Topeka	3854	-731
Deer Creek Lime	3924	-801
Oread	3989	-866
Heebner Shale	4019	-896
Leavenworth Lime	4027	-904
Lansing/KS City A	4070	-947
LKC B	4128	-1005
LKC C	4180	-1057
LKC D	4224	-1101
LKC E	4270	-1147
LKC F	4313	-1190
Pawnee	4462	-1339
Cherokee	4523	-1400
RTD	4600	

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Deyle 1-10
Doc ID	1235981

Tops

Name	Top	Datum
LTD	4600	-1477

WELL FILE

ALLIED OIL & GAS SERVICES, LLC

064104

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Darbyville

DATE <u>9-18-14</u>	SEC. <u>10</u>	TWP. <u>1</u>	RANGE <u>37</u>	CALLED OUT	ON LOCATION <u>5:00 am</u>	JOB START <u>10:30 am</u>	JOB FINISH <u>6:30 pm</u>
LEASE <u>Day 10</u>	WELL # <u>1-10</u>	LOCATION <u>Bird City Rd to AA, 3 1/2 E,</u>			COUNTY <u>Cherokee</u>	STATE <u>KY</u>	
OLD OR NEW (Circle one) <u>NEW</u>				Circle one <u>2 1/2 N, 2 + 2 in</u>			

CONTRACTOR Berec co 2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 310

CASING SIZE 8 7/8 DEPTH 308

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 151

PERFS.

DISPLACEMENT 18.25 bbl

OWNER Same

CEMENT

AMOUNT ORDERED 225 sf cement 380.00

270 gal

COMMON 225 sf @ 17.90 4027.50

POZMIX @

GEL 423 # @ .50 211.50

CHLORIDE 635 # @ 1.10 698.50

ASC @

EQUIPMENT

PUMP TRUCK CEMENTER Lakeland

422 HELPER Wayne McHugh

BULK TRUCK

891/310 DRIVER Juan Salinas (TWS)

BULK TRUCK

671 DRIVER George Grant

MATERIAL TOTAL @ 4937.50

(1530.62 / 310)

HANDLING 243.38 @ 2.48 603.38

MILEAGE 1117 mi x 50 x 2.75 1527.63

TOTAL

REMARKS:

Mix 225 sf cement

Displace with water

Cement did circulate

105 bbl pit

Thank you

CHARGE TO: Berec co

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1312.25

EXTRA FOOTAGE @

MILEAGE MDR 50 @ 7.70 385.00

MANIFOLD Swage @ 275.00

MILD 50 @ 9.40

(1248.76 / 310)

TOTAL 4000.26

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

SALES TAX (If Any)

TOTAL CHARGES 2965.76

DISCOUNT 2779.38 (310) IF PAID IN 30 DAYS

618637 Net

PRINTED NAME Myla Salinas

SIGNATURE [Signature]

Date 9-18-14 District Oakley Ticket No. 64104
Company Borexco Rig Beredeo 2
Lease Boyle Well No. L-10
County Okeyune State KS

Location 10-1-37 Field Bird City
Casing DATA: Conductor PTA Squeeze Misc
Size 8 7/8 Type Surface Weight 23 lb Collar

Casing Depths: Top K.B Bottom 308'

Drill Pipe: Size _____ Weight _____ Collars _____
Open Hole: Size 12 1/4 T.D. 310 ft. P.B. to _____ ft.
CAPACITY FACTORS:
Casing: Bbls/Lin. ft. 0.864 Lin. ft./Bbl. _____
Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
Spacer Type: _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD Pump Time _____ hrs. Type Can 3800
Amt. 225 Sks Yield 1.34 ft³/sk Density 15.02 PPG

TAIL: Pump Time _____ hrs. Type _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.
Pump Trucks Used 422-Wayne
Bulk Equip. 821/310-Juan S.
671-George

Float Equip: Manufacturer _____
Shoe: Type _____ Depth _____
Float: Type _____ Depth _____
Centralizers: Quantity _____ Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. _____
Disp. Fluid Type Water Amt. 18.75 Bbls. Weight _____ PPG
Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER LaRone

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
<u>6:00</u>						<u>Hold safety meeting</u> <u>start water</u> <u>start cement</u> <u>weigh cement 15 lb</u> <u>start cement</u> <u>wash up pump & lines</u> <u>Displace with water</u> <u>Cement did circulate</u> <u>1589 fsp</u>
<u>6:30</u>				<u>30</u>	<u>1875</u>	
						<u>Hold safety meeting</u>



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60163

DST#: 1

ATTN: Pete Vollmer

Test Start: 2014.09.22 @ 00:15:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:03:00

Time Test Ended: 08:34:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Robert Zodrow

Unit No: 49

Interval: 4090.00 ft (KB) To 4150.00 ft (KB) (TVD)

Reference Elevations: 3123.00 ft (KB)

Total Depth: 4150.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6769 Outside

Press@RunDepth: 30.45 psig @ 4091.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.22

End Date:

2014.09.22

Last Calib.:

2014.09.22

Start Time: 00:15:05

End Time:

08:33:59

Time On Btm:

2014.09.22 @ 03:02:30

Time Off Btm:

2014.09.22 @ 06:34:30

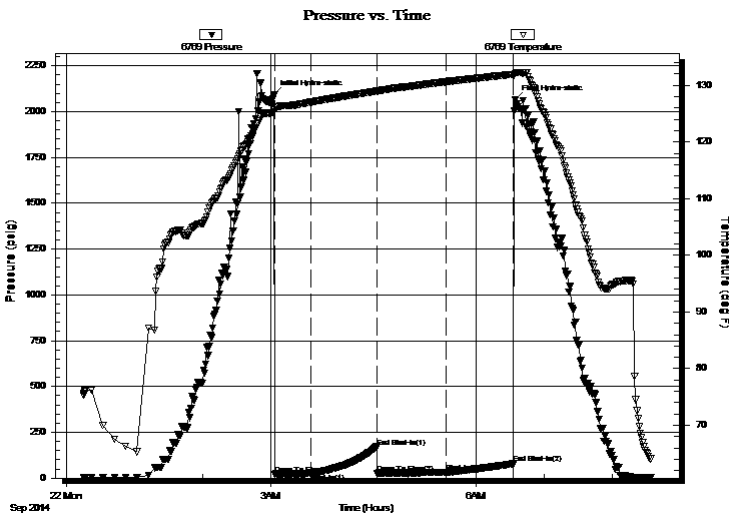
TEST COMMENT: 30-IS- Blow built to 1/8" died in 26 mins

60-IS- No return

60-FF- No blow

60-FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2094.04	125.35	Initial Hydro-static
1	22.16	125.73	Open To Flow (1)
32	24.72	127.02	Shut-In(1)
90	170.99	128.96	End Shut-In(1)
91	27.88	128.93	Open To Flow (2)
151	30.45	130.62	Shut-In(2)
211	79.18	131.95	End Shut-In(2)
212	2063.51	132.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60163

DST#: 1

ATTN: Pete Vollmer

Test Start: 2014.09.22 @ 00:15:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

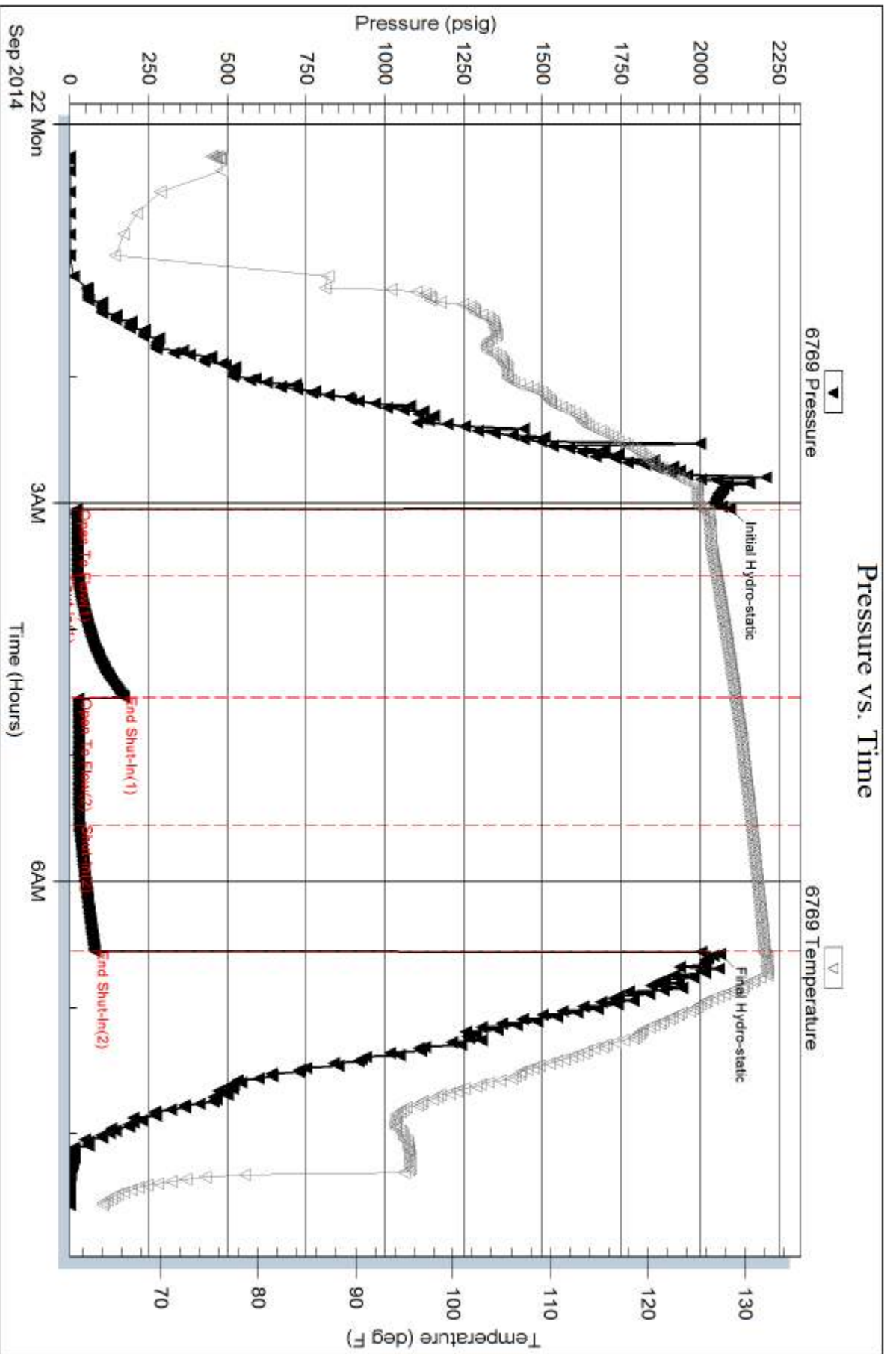
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60164

DST#: 2

ATTN: Pete Vollmer

Test Start: 2014.09.22 @ 17:45:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:25:30

Time Test Ended: 04:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Robert Zodrow

Unit No: 49

Interval: 4144.00 ft (KB) To 4198.00 ft (KB) (TVD)

Reference Elevations: 3123.00 ft (KB)

Total Depth: 4198.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6769 Outside

Press@RunDepth: 93.25 psig @ 4145.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.22

End Date:

2014.09.23

Last Calib.:

2014.09.23

Start Time: 17:45:05

End Time:

04:16:00

Time On Btm:

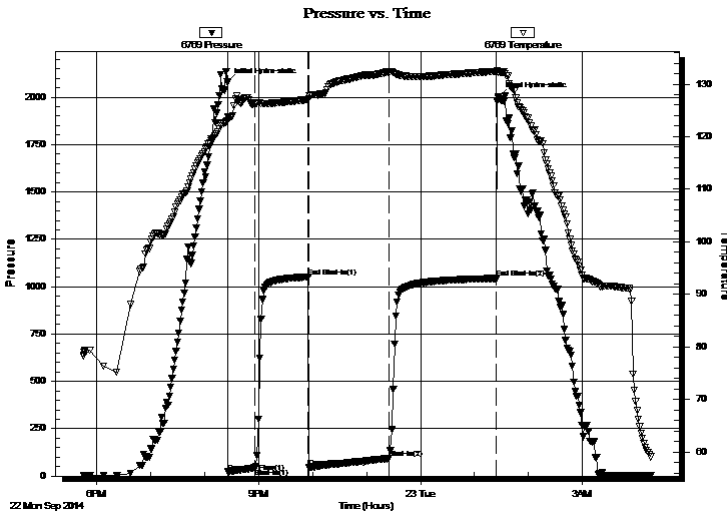
2014.09.22 @ 20:25:00

Time Off Btm:

2014.09.23 @ 01:27:00

TEST COMMENT: 30-IF- Blow built to 1 1/2"
60-ISI- No return
90-FF- Blow started in 30 mins built to 3/4" died back to 1/4"
120-FSI- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2079.58	123.09	Initial Hydro-static
1	22.25	123.77	Open To Flow (1)
31	43.66	126.16	Shut-In(1)
90	1051.44	127.06	End Shut-In(1)
91	47.18	127.20	Open To Flow (2)
180	93.25	132.35	Shut-In(2)
300	1043.77	132.43	End Shut-In(2)
302	2001.45	132.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	oil spotted mud 100%M	0.44

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60164

DST#: 2

ATTN: Pete Vollmer

Test Start: 2014.09.22 @ 17:45:00

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: 86.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	oil spotted mud 100%M	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

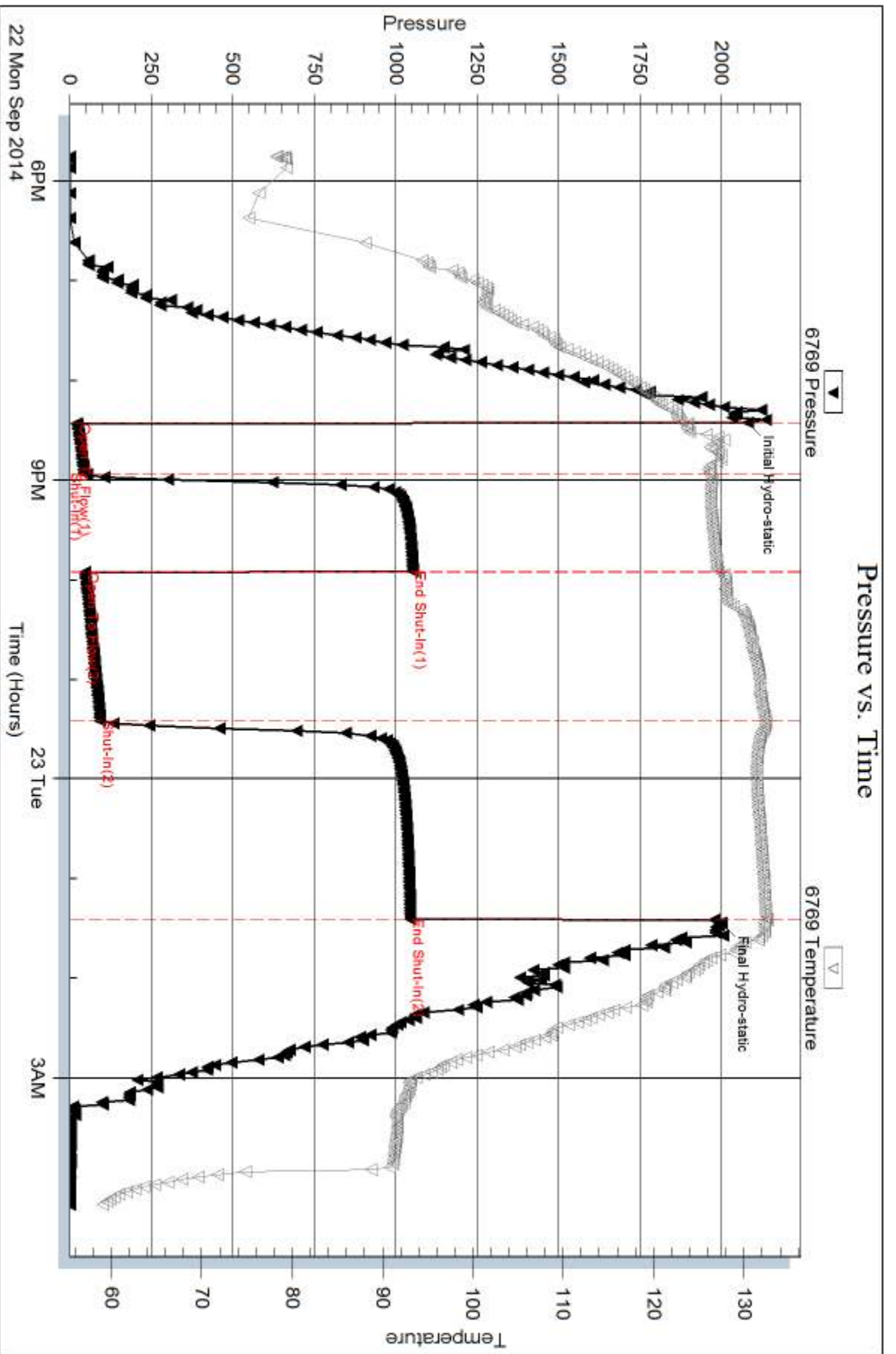
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60165

DST#: 3

ATTN: Pete Vollmer

Test Start: 2014.09.23 @ 16:45:00

GENERAL INFORMATION:

Formation: **LKC "E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:19:00

Time Test Ended: 01:06:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 49

Interval: 4234.00 ft (KB) To 4296.00 ft (KB) (TVD)

Reference Elevations: 3123.00 ft (KB)

Total Depth: 4296.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6769 Outside

Press@RunDepth: 30.70 psig @ 4235.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.23

End Date:

2014.09.24

Last Calib.: 2014.09.24

Start Time: 16:45:05

End Time:

01:05:59

Time On Btm: 2014.09.23 @ 19:18:30

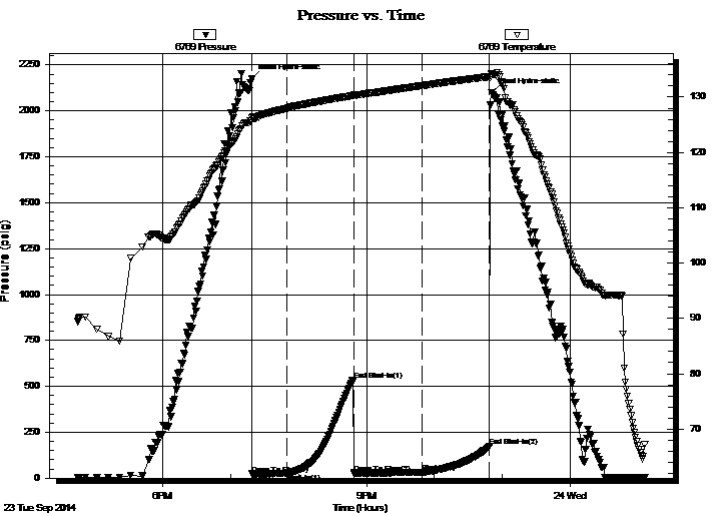
Time Off Btm: 2014.09.23 @ 22:50:30

TEST COMMENT: 30-IF- Blow built to 1/4" died in 26 mins

60-ISI- No return

60-FF- No blow

60-FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.23	125.74	Initial Hydro-static
1	22.46	126.27	Open To Flow (1)
31	25.32	127.97	Shut-In(1)
90	535.35	130.26	End Shut-In(1)
91	27.72	130.38	Open To Flow (2)
151	30.70	132.05	Shut-In(2)
210	173.43	133.71	End Shut-In(2)
212	2097.66	134.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60165

DST#: 3

ATTN: Pete Vollmer

Test Start: 2014.09.23 @ 16:45:00

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: 90.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud with oil spots 100% _m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

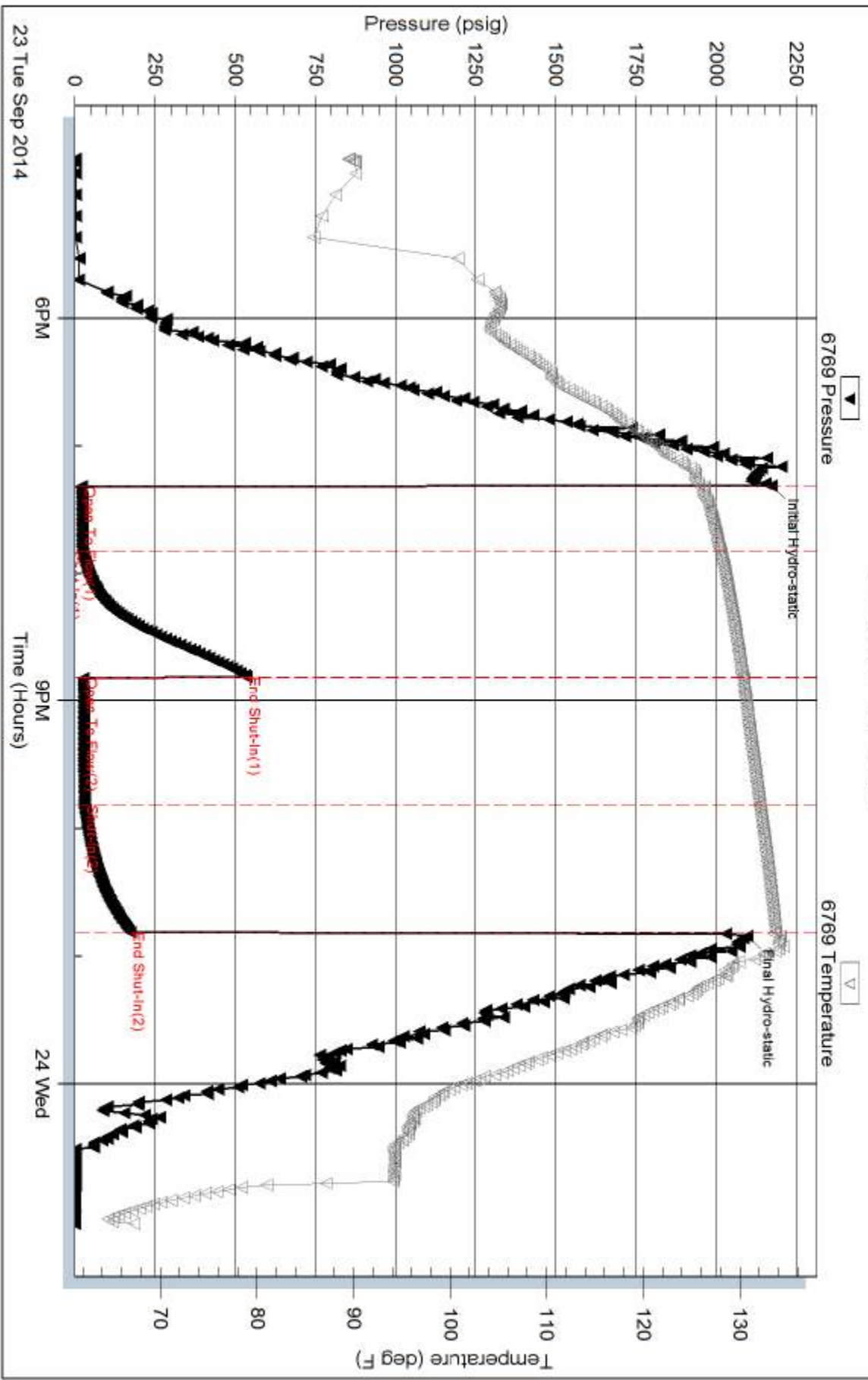
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60166

DST#: 4

ATTN: Pete Vollmer

Test Start: 2014.09.24 @ 21:00:05

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 07:28:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 49

Interval: 4434.00 ft (KB) To 4476.00 ft (KB) (TVD)

Reference Elevations: 3123.00 ft (KB)

Total Depth: 4476.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6769 Outside

Press@RunDepth: 39.88 psig @ 4435.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.24

End Date:

2014.09.25

Last Calib.:

2014.09.25

Start Time:

21:00:05

End Time:

07:28:00

Time On Btm:

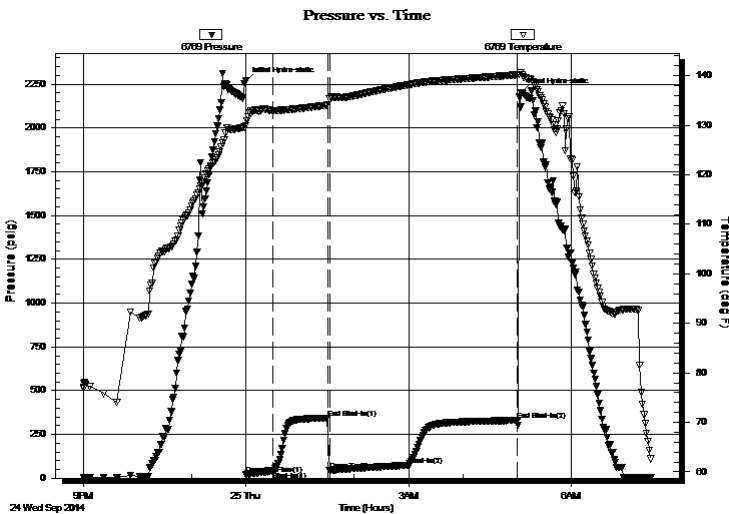
2014.09.24 @ 23:59:30

Time Off Btm:

2014.09.25 @ 05:04:30

TEST COMMENT: 30-IF- Blow built to 1 1/2"
60-IS- No return
90-FF- Blow started in 11 mins built to 6 1/2"
120-FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.97	129.95	Initial Hydro-static
1	21.23	129.88	Open To Flow (1)
31	39.88	132.99	Shut-In(1)
91	343.78	134.08	End Shut-In(1)
93	44.84	135.29	Open To Flow (2)
181	74.64	138.18	Shut-In(2)
301	329.65	140.19	End Shut-In(2)
305	2199.97	140.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	ocm 5%g 20%o 75%m	0.44
30.00	oil 5%g 95%o	0.15

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60166

DST#: 4

ATTN: Pete Vollmer

Test Start: 2014.09.24 @ 21:00:05

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: 103.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
90.00	ocm 5%g 20%o 75%m	0.443
30.00	oil 5%g 95%o	0.148

Total Length: 120.00 ft

Total Volume: 0.591 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

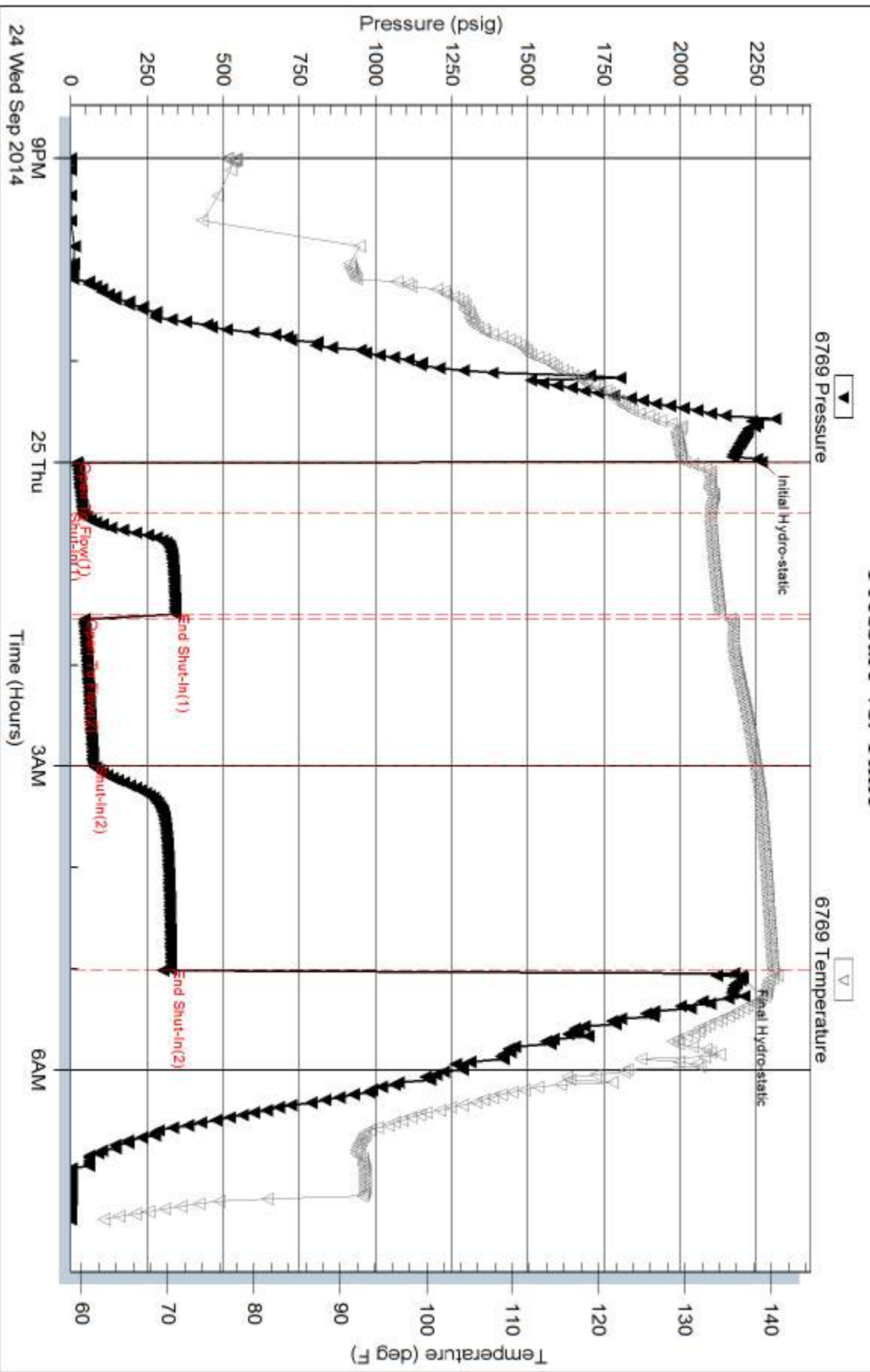
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



BEREXCO LLC

DEYLE 1-10

NE SW NE NE SEC 10 T1S R37W

CHEYENNE COUNTY, KANSAS

SUMMARY	1
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SUMMARY

The Berexco LLC Deyle 1-10 in Cheyenne County, Kansas spud September 18, 2014 and reached a total depth of 4600' on September 25, 2014. Wellsite geological supervision commenced at 3000'. The primary objectives were the Pawnee in the Marmaton Group and the Pennsylvanian Missourian Lansing-Kansas City limestones which produce in the Jones Canyon Southeast field. Secondary zones of interests were the Permian Foraker and Virgilian Oread limestones. The Deyle 1-10 was drilled using seismic and nearby well control.

On-site evaluation was by drill stem testing after sample analysis and consideration of structural position. Four DSTs were run.

Foraker, Wabaunsee, and Oread

The Foraker samples were fossiliferous packstone and mudstone with no visible porosity, occasional scattered oil specks, and poor fluorescence and cuts. The Foraker appears nonproductive at this location.

The Virgilian Wabaunsee had fair oil shows but lacked porosity.

The Oread samples were fossiliferous mudstone and wackestone with no visible porosity, scattered black asphaltic stain, and weak cuts. The poor shows did not merit testing as the Oread is nonproductive in the area.

Lansing-Kansas City and Pawnee

The Lansing-Kansas City A exhibited no visible porosity or oil shows.

DST 1 in the Lansing-Kansas City B recovered 10 ft of mud with very poor pressures. Samples were grainstone with poor interparticle and vuggy porosity, abundant spotty live black oil, and good fluorescence and cuts.

DST 2 in the Lansing-Kansas City C recovered 90 ft of oil spotted mud. Samples were grainstone to wackestone with occasional fossil fragments and poor to fair porosity. Spotty to even brownish black oil stain and good cuts were observed.

The Lansing-Kansas City D was mudstone with only a trace of black asphaltic staining and no visible porosity.

DST 3 in the Lansing-Kansas City E recovered 5 ft of mud with oil spots and low pressures. The E was grainstone in the top few feet and chalky mudstone at the base. The uppermost limestone had a trace of spotty oil stain with good fluorescence and cuts. Porosity was limited to scattered vugs.

The Lansing-Kansas City F was nonporous chalky limestone with no sample show.

DST 4 in the Pawnee recovered 30 ft of clean gassy oil and 90 ft of gassy oil cut mud. Samples were porous grainstone occasionally occluded with lime mud. Scattered oil shows with good fluorescence and cuts were limited to the upper 4 ft in poor interparticle and vuggy porosity. The reservoir appears depleted.

Oil Well Completion

5 ½" production casing was run to complete the Deyle 1-10 as an oil producer.

Peter J. Vollmer
Consulting Wellsite Geologist, WPG #3369
September 2014

Berexco LLC
Deyle 1-10

WELL DATA

OPERATOR: Berexco LLC
2020 North Bramblewood Drive
Wichita, Kansas 67206

WELL NAME: Deyle 1-10

SURFACE LOCATION: 900' FNL & 900' FEL
NE SW NE NE Sec 10, T1S, R37W
Cheyenne County, Kansas

LATITUDE & LONGITUDE: 39.9856663, -101.4513922 (From State, calculated from footages)

BOTTOM HOLE LOCATION: Vertical hole

ELEVATIONS: 3110' GL 3123' KB

API NUMBER: 15-023-21412

BASIN: Mid-Continental Arch

FIELD: Jones Canyon Southeast

HOLE SIZE: 12 1/4" to 310'; 7 7/8" to 4600'

CASING: 8 5/8" J-55 24# STC set to 310' KB

SPUD DATE: September 18, 2014

TD DATE: September 25, 2014

TOTAL DEPTH: 4600' Rig TD 4600' Log TD

LAST FORMATION: Pennsylvanian Cherokee

WELL STATUS: Ran 5 1/2" production casing

OPERATOR
REPRESENTATIVE: Dana Wreath - Vice President

WELLSITE GEOLOGIST: Peter J. Vollmer

FORMATION TOPS

Formation	Sample Top	Log Top	Log TVD	Log Datum
KB				3123
Pierre Sh	Cased	Cased	N/A	N/A
Niobrara Fm	N/A	1050	1050	+2073
Fort Hays Ls Mbr	N/A	1570	1570	+1553
Carlile Sh	N/A	1599	1599	+1524
Dakota	N/A	1980	1980	+1143
Cheyenne	N/A	2626	2626	+497
Blaine	N/A	2920	2920	+203
Stone Corral Anhydrite	3065	3064	3064	+59
Base Anhydrite	3098	3098	3098	+25
Chase Limestone	3266	3264	3264	-141
Neva	3521	3521	3521	-398
Red Eagle	3592	3590	3590	-467
Foraker	3634	3633	3633	-510
Wabaunsee	3784	3790	3790	-667
Topeka	3852	3854	3854	-731
Deer Creek Lime	3927	3924	3924	-801
Oread	3993	3989	3989	-866
Heebner Sh	4025	4019	4019	-896
Leavenworth Lime	4033	4027	4027	-904
Lansing-Kansas City				
"A"	4073	4070	4070	-947
"B"	4133	4128	4128	-1005
"C"	4183	4180	4180	-1057
"D"	4225	4224	4224	-1101
"E"	4269	4270	4270	-1147
"F"	4313	4313	4313	-1190
Pawnee	4464	4462	4462	-1339
Cherokee	4532	4523	4523	-1400
TD Driller	4600			
TD Logger		4600	4600	-1477

LITHOLOGY AND SHOWS

The following descriptions are interpretive. Rig crew members collected unlagged samples from 3500' to 4600' TD. Depths are rig depths except where noted as wireline.

3510' - 3521' SANDSTONE: very light gray to gray, friable to firm, very fine grained, sub rounded to rounded, well sorted, calcareous cement, occasional clay filled, no visible porosity, no shows.

NEVA SAMPLE TOP: 3521' LOG TOP: 3521' SUBSEA: -398'

3521' - 3531' LIMESTONE: white, with occasional reddish brown mottled and stain, firm to hard, mudstone, occasional fossil, slightly chalky, occasional black Algal stain, reddish brown to gray green Shale partings, tight, no show.

3531' - 3542' SILTY SANDSTONE: reddish brown to white, soft to very friable, very fine grained grading to silt, rounded to subround, moderately to fair sorted, non to slightly calcareous, argillaceous to clay matrix, no visible porosity, no show.

3542' - 3576' SHALE: light reddish brown to reddish orange, firm to soft, fissile to blocky, occasional very silty, sandy in part, non to slightly calcareous.

3576' - 3592' SANDSTONE: light gray to gray, friable to firm, very fine grained, sub rounded to rounded, well sorted, calcareous cement, occasional clay filled, silty, predominant loose grains, no visible porosity, no shows.

RED EAGLE SAMPLE TOP: 3592' LOG TOP: 3590' SUBSEA: -467'

3592' - 3606' LIMESTONE: light gray to white to grayish brown, with reddish brown stain and mottled, hard, mudstone, occasional slightly argillaceous, trace fossil fragments, occasional Sand grains, occasional reddish brown SHALE, tight, no shows.

3606' - 3634' SHALE: reddish brown, firm to hard, fissile to blocky, very silty, sandy in part, non to slightly calcareous, trace light gray Limestone.

LITHOLOGY AND SHOWS

FORAKER	SAMPLE TOP: 3634'	LOG TOP: 3633'	SUBSEA: -510'
3634' - 3646'	LIMESTONE: light gray to white to very light brown, firm to hard, mudstone to grainstone, occasional microgranular texture, occasional interclasts, occasional fossil fragments, black oil specks predominant in micro-vugs, trace pin-point vuggy porosity, patchy bright yellowish white fluorescence, occasional immediate fair yellowish white cuts, no free oil and very poor porosity, trace show.		
3646' - 3654'	SHALE: gray to gray green to reddish brown, firm, fissile to blocky, slightly calcareous, fossil fragments.		
3654' - 3665'	LIMESTONE: white to light gray, firm to hard, cryptocrystalline, chalky, fossil fragments, algal stain (dead oil), gray to greenish gray Shale stringers, tight to trace intercrystalline porosity, occasional very poor show.		
3665' - 3670'	SHALE: gray to dark gray, firm, blocky, non calcareous.		
3670' - 3688'	LIMESTONE: white to light gray to dark gray, firm to hard, mudstone to packstone, scattered fossil fragments, algal stain, tight to trace porosity, no shows.		
3688' - 3691'	SANDSTONE: white, friable, very fine grained, subangular to subrounded, well sorted, calcareous cement, clay fill, black specks, abundant loose grains, tight to trace porosity, no shows.		
3691' - 3716'	SHALE: reddish brown, soft to firm, sub blocky, non calcareous, occasional moderately to very silty, occasional light gray Limestone stringers.		
3716' - 3724'	LIMESTONE: white, firm to soft, mudstone, chalky, fossil fragments, tight, no shows.		
3724' - 3752'	SANDY SILTSTONE: reddish brown to light gray, mottled, firm to friable, very fine grained grading to silt, clay matrix, light reddish brown Shale partings, tight, no show.		
3752' - 3760'	SANDSTONE: very light gray to white, friable, very fine grained, sbang to sbrnd, well sorted, calcareous cement, clay fill, black specs, abundant loose grains, tight to trace porosity, no shows.		
3760' - 3784'	SHALE: pale reddish brown, soft to firm, sub blocky, n calcareous, occasional silty, clayey.		
WABAUNSEE	SAMPLE TOP: 3784'	LOG TOP: 3790'	SUBSEA: -667'
3784' - 3804'	LIMESTONE: white to light gray, with light reddish brown mottled, soft to firm, wackestone to grainstone, occasional microgranular texture, abundant fossil fragments, reddish brown shale partings, slightly sandy in part, even to spotty black		

LITHOLOGY AND SHOWS

heavy oil material, no visible porosity, very tight, pale yellow grain fluorescence, diffuse pale yellow white cut, no free oil, fair show decrease with depth.

3804' - 3826' LIMESTONE: white to light gray, occasional reddish brown mottled, firm to hard, mudstone to grainstone, fossil fragment, peloids reddish Shale partings, trace black asphalt material, tight, no show.

3826' - 3852' SHALE: reddish brown, maroon, gray, mottled in part, soft to firm, blocky, non calcareous, moderately to very silty in part, Limestone stringers.

TOPEKA SAMPLE TOP: 3852' LOG TOP: 3854' SUBSEA: -731'

3852' - 3870' LIMESTONE: light gray to white, hard to firm, mudstone, fossil fragment (Fusulinids, Brachiopod), sparry calcareous, very to moderately chalky, tight, no shows.

3870' - 3894' LIMESTONE: light gray to white, hard to firm, mudstone, fossil fragments, dark gray Shale stringers, trace light orange chert, tight, no shows.

3894' - 3927' SHALE: reddish brown, soft to firm, sub blocky, non calcareous, occasional silty, clayey, gummy to sticky, white chalky Limestone stringers.

DEER CREEK LIME SAMPLE TOP: 3927' LOG TOP: 3924' SUBSEA: -801'

3927' - 3940' LIMESTONE: white, soft to firm, cryptocrystalline, very chalky, brownish red partings and inclusions, tight, no shows.

3940' - 3978' SHALE: reddish brown, brownish maroon, soft to firm, sub blocky, occasional slightly calcareous, non to slightly silty in part, occasional thin Limestone stringers, occasional clayey, gummy to sticky.

3978' - 3993' SHALE: reddish brown, brownish maroon, occasional dark gray, soft to firm, sub blocky, occasional slightly calcareous, occasional thin Limestone stringers, gummy to sticky.

OREAD SAMPLE TOP: 3993' LOG TOP: 3989' SUBSEA: -866'

3993' - 4012' LIMESTONE: white, soft to firm, mudstone to wackestone, very chalky texture, patchy black asphalt material, occasional black heavy oil, no visible porosity,

LITHOLOGY AND SHOWS

predominant no show, occasional bright yellowish white fluorescence, with slow streaming yellowish white cuts, poor show.

4012' - 4025'

LIMESTONE: cream to white, firm to hard, mudstone to wackestone, occasional fossil fragments, clean, no visible porosity, no shows.

HEEBNER SH

SAMPLE TOP: 4025' LOG TOP: 4019' SUBSEA: -896'

4025' - 4033'

SHALE: black to dark gray, firm, blocky, carbonaceous.

LEAVENWORTH LIME SAMPLE TOP: 4033' LOG TOP: 4027' SUBSEA: -904'

4033' - 4041'

LIMESTONE: light gray to light brown, hard, mudstone, slightly argillaceous, tight, no show.

4041' - 4073'

SHALE: gray to reddish brown to maroon to greenish gray, firm, blocky, non to slightly calcareous, occasional silty.

LANSING-
KANSAS CITY "A"

SAMPLE TOP: 4073' LOG TOP: 4070' SUBSEA: -947'

4073' - 4098'

LIMESTONE: white to very light gray, hard to brittle, mudstone, rare fossil, occasional chalky, very tight, no show.

4098' - 4105'

SANDSTONE: white to light gray, firm to friable, very fine grained, well rounded, well sorted, calcareous cement, clay filled, black dead oil specks, no visible porosity, no show.

4105' - 4133'

SHALE: gray to reddish brown, soft to firm, subblocky, non to slightly calcareous, clayey, occasional argillaceous Siltstone and Limestone stringers.

LITHOLOGY AND SHOWS

LANSING- KANSAS CITY "B"

SAMPLE TOP: 4133' LOG TOP: 4128' SUBSEA: -1005'

4133' - 4145'

LIMESTONE: white to very light gray, firm to hard, grainstone to packstone, occasional fossil fragments (Fusulinids), peloids, pyrite, occasional free live black oil, predominant tight with trace interparticle porosity and poor vuggy porosity, bright yellowish white fluorescence, instant blooming bright yellowish white cuts, good show.

4145' - 4150'

SHALE: gray to dark gray to black, firm, sub blocky, non to slightly calcareous, fossil fragment (Brachiopod).

4150' - 4154'

LIMESTONE: white to light gray, occasional reddish brown mottled, hard, mudstone, chalky, tight, no show.

4154' - 4183'

SHALE: dark reddish brown, very soft to firm, sub blocky to lumpy, non calcareous, moderately to very silty stringers, sticky to gummy, clayey.

LANSING- KANSAS CITY "C"

SAMPLE TOP: 4183' LOG TOP: 4180' SUBSEA: -1057'

4183' - 4197'

LIMESTONE: light gray to white, firm, grainstone to wackestone, occasional fossil fragment, trace pyrite, spotty to even brownish black oil stain, free oil in vuggy porosity, poor to fair vugular porosity, bright yellowish white fluorescence, instant blooming bright yellowish white cuts, faint oil odor, fair show.

4197' - 4204'

SHALE: gray to dark gray, firm, sub blocky, non to slightly calcareous.

4204' - 4225'

SHALE: gray to reddish brown, mottled in part, soft to firm, subblocky, non to slightly calcareous, clayey, sticky, Limestone stringers.

LANSING- KANSAS CITY "D"

SAMPLE TOP: 4225' LOG TOP: 4224' SUBSEA: -1101'

4225' - 4238'

LIMESTONE: light gray to white, firm, mudstone to wackestone, fossil fragments, very chalky texture, very tight, no shows.

4238' - 4269'

SHALE: light reddish brown maroon, soft to firm, subblocky, non to slightly calcareous, white chalky Limestone stringers, clayey, sticky.

LITHOLOGY AND SHOWS

LANSING- KANSAS CITY "E"

SAMPLE TOP: 4269' LOG TOP: 4270' SUBSEA: -1147'

- 4269' - 4289' LIMESTONE: light gray to white, firm to hard, mudstone to grainstone, slightly chalky in part, fossil fragment, scattered occasional patchy black to dark brown oil stain, live oil, trace vuggy porosity, bright yellowish white fluorescence, immediate blooming yellowish white cuts, good oil show with questionable porosity, no shows at base.
- 4289' - 4297' SHALE: gray to dark gray, firm, blocky, calcareous, fossil (Brachiopod), slightly carbonaceous in part.
- 4297' - 4313' SHALE: greenish gray to dark reddish brown to reddish brown, firm to soft, blocky to platy, non calcareous, moderately to very silty, SILTSTONE stringers.

LANSING- KANSAS CITY "F"

SAMPLE TOP: 4313' LOG TOP: 4313' SUBSEA: -1190'

- 4313' - 4324' LIMESTONE: cream to white to light gray, firm to hard, mudstone, very chalky texture, occasional fossil fragment, trace black asphalt stain, very tight, no shows.
- 4324' - 4333' SHALE: light reddish brown, very soft, lumpy, sticky to gummy, Limestone fragments.
- 4333' - 4340' LIMESTONE: white to cream, hard to firm, mudstone, chalky in part, fossil fragments, tight, no shows.
- 4340' - 4368' SHALE: brownish red, firm, blocky, non calcareous, with LIMESTONE stringers.
- 4368' - 4395' LIMESTONE: light gray to white, firm, mudstone to wackestone, fossil fragments, chalky texture, reddish brown Shale partings, tight, no show.
- 4395' - 4410' SHALE: dark to light reddish brown, brownish maroon, light gray, mottled, variegated, firm, blocky, occasional slightly calcareous, non to slightly silty in part, occasional thin white to light gray Limestone stringers.
- 4410' - 4422' SHALE: gray to dark gray reddish brown, firm, sub fissile, non calcareous, pyrite.
- 4422' - 4436' LIMESTONE: light gray to gray, hard, mudstone, fossil fragments, slightly chalky, interbedded irregular dark gray to greenish gray Shale partings, tight, no shows.
- 4436' - 4464' SHALE: gray to dark gray grain, hard to firm, sub blocky to fissile, non calcareous, trace gray argillaceous Limestone stringers.

LITHOLOGY AND SHOWS

PAWNEE	SAMPLE TOP: 4464'	LOG TOP: 4462'	SUBSEA: -1339'
4464' - 4476'	LIMESTONE: white to cream to very light gray, firm to hard, grainstone to mudstone, microgranular texture, rare ooliths and peloids, occasional fossil fragments, trace black oil stain, tight to trace vuggy porosity, occasional trace interparticle porosity, bright yellowish white fluorescence, instant blooming yellowish white cuts, fair show at top.		
4476' - 4488'	LIMESTONE: white to very light gray, hard, mudstone, slightly chalky, fossil fragment, trace orange chert, tight, no shows.		
4488' - 4500'	SHALE: black to dark gray to gray, firm, blocky to fissile, occasional carbonaceous, fossil fragment (Brachiopod).		
4500' - 4532'	LIMESTONE: white to cream to light gray, firm to hard, mudstone, chalky, trace chert, rare fossil, tight, no shows.		
CHEROKEE	SAMPLE TOP: 4532'	LOG TOP: 4523'	SUBSEA: -1400'
4532' - 4546'	SHALE: black to dark gray to gray, firm, blocky to fissile, occasional very carbonaceous, trace pyrite, plant remains, thin flakey black Coal stringers and partings.		
4546' - 4558'	LIMESTONE: white to light gray to gray, firm to hard, mudstone to wackestone, rare fossil fragment, tight, occasional light brown Sandstone stringers, no shows.		
4558' - 4596'	LIMESTONE: gray to light gray, firm to hard, mudstone to wackestone, slightly sandy in part, slightly argillaceous in part, opaque chert, tight, no shows.		
4596' - 4600' TD	SHALE: black to dark gray to gray, firm, blocky to fissile, occasional carbonaceous, fossil fragment (Brachiopod).		

Berexco LLC
Deyle 1-10

SERVICES

CONTRACTOR:	Beredco Drilling Inc., Rig 2	
Toolpusher:	Milo Salinas	
DRILLING FLUIDS:	Morgan Mud, Inc.	McCook, ND
Mud Type:	Freshwater Chemical	308-340-5946
Engineer:	Dave Korte	
MUD LOGGING:	None	
WELLSITE GEOLOGY:	T. M. McCoy & Co., Inc. Peter J. Vollmer	Wilson, WY 307-733-4332
DRILL STEM TESTING:	Trilobite Testing, Inc. Robert Zadrow DST 1: 4090' - 4150' LKC "B" DST 2: 4144' - 4198' LKC "C" DST 3: 4234' - 4296' LKC "E" DST 4: 4434' - 4476' Pawnee	Hays, KS 785- 625-4778
DIRECTIONAL DRILLING:	None	
WIRELINE LOGS:	Pioneer Wireline Services RAG: Surface casing - TD Micro: 3500' - TD Robert Barnhart	Hays, KS 785-625-3858

WELL FILE

ALLIED OIL & GAS SERVICES, LLC 064243

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Dalby KS

DEYLE #1-10

DATE <u>9-26-14</u>	SEC. <u>15</u>	TWP. <u>2S</u>	RANGE <u>37W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30am</u>	JOB FINISH <u>8:30pm</u>
LEASE # <u>1715</u>	WELL # <u>1715</u>	LOCATION <u>Bird City N. to State line 3E,</u>			COUNTY <u>Cheyenne</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>3S, E into</u>					

CONTRACTOR Beredco 2

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4600'

CASING SIZE 5 1/2 (15.5#) DEPTH 4599'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 43'

CEMENT LEFT IN CSG. 43'

PERFS.

DISPLACEMENT 108.39 bbl/water

EQUIPMENT

OWNER Same

CEMENT

AMOUNT ORDERED 450 sks Lite 3/4 #

Flo-seal, 250 sks Corn 10% salt,

5# gilsonite, 2 1/2 gal

COMMON	<u>250 sks</u>	@ <u>17.90</u>	<u>4475.00</u>
POZMIX		@	
GEL	<u>470 #</u>	@ <u>0.50</u>	<u>235.00</u>
CHLORIDE		@	
ASC		@	
Lite (60/40/2)	<u>450 sks</u>	@ <u>19.89</u>	<u>8950.50</u>
Flo-seal	<u>338 #</u>	@ <u>2.97</u>	<u>1003.86</u>
Salt	<u>1300 #</u>	@ <u>0.68</u>	<u>884.00</u>
Gilsonite	<u>1250 #</u>	@ <u>0.98</u>	<u>1225.00</u>
		@	
<u>Malprint Total</u>			<u>16,773.36</u>
		@ <u>(5,199.78/13)</u>	
		@	
HANDLING	<u>825.21 #</u>	@ <u>2.48</u>	<u>2046.52</u>
MILEAGE	<u>34.22 tons x 50 mix</u>	@ <u>2.75</u>	<u>4705.25</u>
TOTAL			

PUMP TRUCK CEMENTER Paul Beaver

431 HELPER Wayne McHughy

BULK TRUCK

890/241 DRIVER Chris (TWS)

BULK TRUCK

891/310 DRIVER Jason 1 (TWS)

REMARKS:

Run Pipe / Float equip / Drop ball, pumped
ball through shoe @ 400', mix 30 sks in
R.H. mix 15 sks in m.H. mix 405 sks lite
Tail w/ 250 sks Corn, wash-up to pit,
Release plug displace w/ water, plug did
land @ 2300' Lite 1800' 1/2 gal
did hold cement did not circulate
Thank You!
Paul & Crew

CHARGE TO: Beredco IIc

STREET _____

CITY _____ STATE _____ ZIP _____

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

PRINTED NAME _____

SIGNATURE [Signature]

SERVICE

DEPTH OF JOB	<u>4600'</u>		
PUMP TRUCK CHARGE			<u>2,765.75</u>
EXTRA FOOTAGE		@	
MILEAGE MILHV	<u>50</u>	@ <u>7.70</u>	<u>385.00</u>
MANIFOLD Head		@ <u>27.500</u>	<u>N/C</u>
MILV	<u>50</u>	@ <u>4.40</u>	<u>N/C</u>
		@	
<u>(3069.78/31%)</u>			TOTAL <u>9,902.51</u>

PLUG & FLOAT EQUIPMENT

Industrial Rubber (5 1/2)

AEU Float shoe	@	<u>545.00</u>
Latchdown Plug Assy	@	<u>1660.00</u>
Centralizers	<u>40 @ 57.00</u>	<u>570.00</u>
Scratchers	<u>20 @ 89.00</u>	<u>1780.00</u>
	@	
<u>(1102.00/31%)</u>		
TOTAL <u>3,555.00</u>		

SALES TAX (if Any) _____

TOTAL CHARGES 30,280.88

DISCOUNT 9,371.57 (31%) IF PAID IN 30 DAYS

20,909.31 Net



CEMENTING LOG

STAGE NO. _____

Date 9-26-14 District Dakley KS Ticket No. 64243
 Company Berexco LLC Rig Berexco 2
 Lease meads #1 DEYLE #1-10 Well No. 1-15
 County Cheyenne State KS
 Location 15-18-37w Field _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG _____

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 1/2 Type New Weight 15.5 Collar _____

LEAD: Pump Time _____ hrs. Type 60/40/8 1/2 gel
3/4" F10-seal Excess _____
 Amt. 450 Skys Yield 1.90 ft³/sk Density 12.5 PPG _____
 TAIL: Pump Time _____ hrs. Type Com 10% self
5 1/2 gal/solite, 2 1/2 gel Excess _____
 Amt. 250 Skys Yield 1.56 ft³/sk Density 14.66 PPG _____
 WATER: Lead 10.9 gals/sk Tail 6.97 gals/sk Total 156.67 Bbls.

Casing Depths: Top KB Bottom 4597'

Pump Trucks Used 431-Wayne Mc
 Bulk Equip. 890/241-
891/310-

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 4600 ft. P.B. to _____ ft.

Float Equip: Manufacturer Industrial Rubber
 Shoe: Type AFU Floatshoe Depth 4597
 Float: Type Latch down plug Assy Depth 4554
 Centralizers: Quantity 10 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. 20-scratchers
 Disp. Fluid Type water Amt. 108.37 Bbls. Weight _____ PPG _____
 Mud Type 40 vis Weight _____ PPG _____

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE _____ CEMENTER Paul Beaver

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
7:30	0 th		7.79	7.79	2	Hold Safety meeting Run pipe / Float equip / Drop ball pump ball through shoe @ # mix 30 sks in R.H mix 15 sks in m.H mix 405 sks life @ 12.5 th tail w/ 250 sks Com @ 14.5 th stop cement wash up pump & lines to pit release plug Displace w/ water
	0 th		3.89	11.68	2	
	200 th		105.11	188.28	4	
	200 th		41.49	158.28	4	
	0 th		5.0	163.28	2	
			20.0	183.28	4	
			20.0	203.28	6	
			20.0	223.28	6	
			10.0	233.28	6	
			10.0	243.28	6	
			10.0	253.28	6	
			10.0	263.28	6	
8:30			8.37	271.65	4	plug did land @ 2300 # L.H. pressure 100 # Float did hold cement did not air set lost circ 560 before plug landed Hold Safety meeting

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs. THANK YOU