

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1252195
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: _____

1252195

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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	Kevin 1-9
Doc ID	1252195

Tops

Name	Top	Datum
Anhydrite	3116	+67
Anhydrite (base)	3154	+29
Foraker	3702	-520
Topeka	3920	-738
Oread	4034	-852
Lansing/KS City A	4132	-950
LKC B	4184	-1002
LKC C	4240	-1058
LKC D	4286	-1104
LKC E	4332	-1150
LKC F	4374	-1192
Pawnee	4520	-1338
RTD	4600	-1418
LTD	4599	-1417

ALLIED OIL & GAS SERVICES, LLC 062046

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Colley, KS

DATE <u>3-1-15</u>	SEC. <u>9</u>	TWP. <u>1</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION <u>7:00 a.m.</u>	JOB START <u>8:30am</u>	JOB FINISH <u>9:00am</u>
LEASE <u>Kevin</u>	WELL # <u>1-9</u>	LOCATION <u>McDonald N to Rd CC</u>			COUNTY <u>Rawlins</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>1 @ N+E, 5 into</u>			

CONTRACTOR <u>Borecto 10</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>304'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>300'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>18 bbl H2O</u>	

CEMENT		
AMOUNT ORDERED	<u>225 stks Com 3% CL</u>	
	<u>2% gel</u>	
COMMON	<u>225 stks @ 17.20</u>	<u>4027.50</u>
POZMIX	@	
GEL	<u>423 # @ .50</u>	<u>211.50</u>
CHLORIDE	<u>635 # @ 1.10</u>	<u>698.50</u>
ASC	@	
	@	
<u>Material Total</u>	@	<u>4927.50</u>
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>243.30 ft³</u>	@ <u>2.45</u>	<u>603.38</u>
MILEAGE <u>11.10 hrs @ 50mi/hr</u>	@ <u>2.75</u>	<u>305.25</u>
TOTAL		

PUMP TRUCK # <u>431</u>	CEMENTER <u>Paul Beaver</u>
	HELPER <u>Brandon Wilkinson</u>
BULK TRUCK # <u>373/306</u>	DRIVER <u>Darren Racette</u>
BULK TRUCK #	DRIVER

REMARKS:

Mix 225 stks Com 3% CL 2% gel
Displace w/ water
cement did circ

Thank You!
Paul + Crew

CHARGE TO: Berexco Ilc
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>300'</u>
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>M/H V 50</u>	@ <u>7.70</u> <u>385.00</u>
MANIFOLD <u>swedge</u>	@
<u>MIL V 50</u>	@ <u>4.40</u> <u>N/C</u>
	@

(1812.09/45%) TOTAL 4,026.88

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

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

SALES TAX (If Any) _____
TOTAL CHARGES 8,964.38
DISCOUNT 4033.97 (45%) IF PAID IN 30 DAYS
4,930.40 Net.

PRINTED NAME Gilberto Davila Jr
SIGNATURE [Signature]



CEMENTING LOG

STAGE NO. _____

Date 3-1-15 District Oakley KS Ticket No. 62046
 Company Berenco Rig Berenco 10
 Lease Kevin Well No. 1-9
 County Rushkern State KS
 Location 9-1-36 Field _____

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

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8.5/8 Type New Weight 24" Collar _____

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

Casing Depths: Top KB Bottom 300'

TAIL: Pump Time _____ hrs. Type Com 3' ICC
2.4 gal Excess _____
 Amt. 22.5 Sks Yield 1.36 ft³/sk Density 15.02 PPG
 WATER: Lead 6.5 gals/sk Tail _____ gals/sk Total _____ Bbls.

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 304 ft. P.B. to _____ ft.

Pump Trucks Used 431- Brandon
 Bulk Equip. 373/306- Durren

CAPACITY FACTORS:
 Casing: Bbbs/Lin. ft. 10637 Lin. ft./Bbl. _____
 Open Holes: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type water Amt. 18 Bbbs. Weight _____ PPG
 Mud Type 40vis Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Paul Deaver

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbs Min.	
						Hold Safety meeting
	100		35	35	6	Mix 225 sks @ 15"
	0		5	40	4	Wash up pump + lines
	100		13	53	6	Displace w/ water
						shut-in swedge
						cement did circ
						Hold Safety meeting
						Paul Deaver
						J.P.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 60893

DST#: 1

ATTN: Bryan Bynog

Test Start: 2015.03.04 @ 16:21:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:53:00

Time Test Ended: 02:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 39996.0 ft (KB) To 4050.0 ft (KB) (TVD)

Reference Elevations: 3182.00 ft (KB)

Total Depth: 4050.00 ft (KB) (TVD)

3171.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8874

Inside

Press @ Run Depth: 163.36 psig @ 3997.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.04

End Date:

2015.03.05

Last Calib.:

2015.03.05

Start Time: 16:22:00

End Time:

02:59:00

Time On Btm:

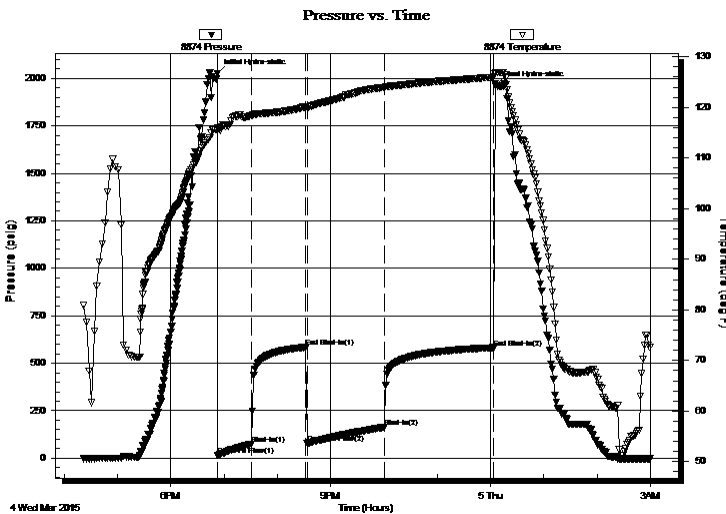
2015.03.04 @ 18:52:30

Time Off Btm:

2015.03.05 @ 00:06:00

TEST COMMENT: 40 - IF- 1/4" Blow buit to 4 3/4"
60 - IS- No Return
90 - FF- Blow started at 8 min. Built to 5"
120 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.08	116.04	Initial Hydro-static
1	16.98	115.40	Open To Flow (1)
39	74.95	118.34	Shut-In(1)
100	584.51	120.11	End Shut-In(1)
101	78.87	120.02	Open To Flow (2)
188	163.36	123.97	Shut-In(2)
311	582.04	125.98	End Shut-In(2)
314	1961.97	126.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 30M 70W	0.59
120.00	WM 20W 80M	0.59
70.00	Mud 100M	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 60893

DST#: 1

ATTN: Bryan Bynog

Test Start: 2015.03.04 @ 16:21:00

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:

27000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	MW 30M 70W	0.590
120.00	WM 20W 80M	0.590
70.00	Mud 100M	0.344

Total Length: 310.00 ft Total Volume: 1.524 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .3 @ 59 deg = 27000 ppm

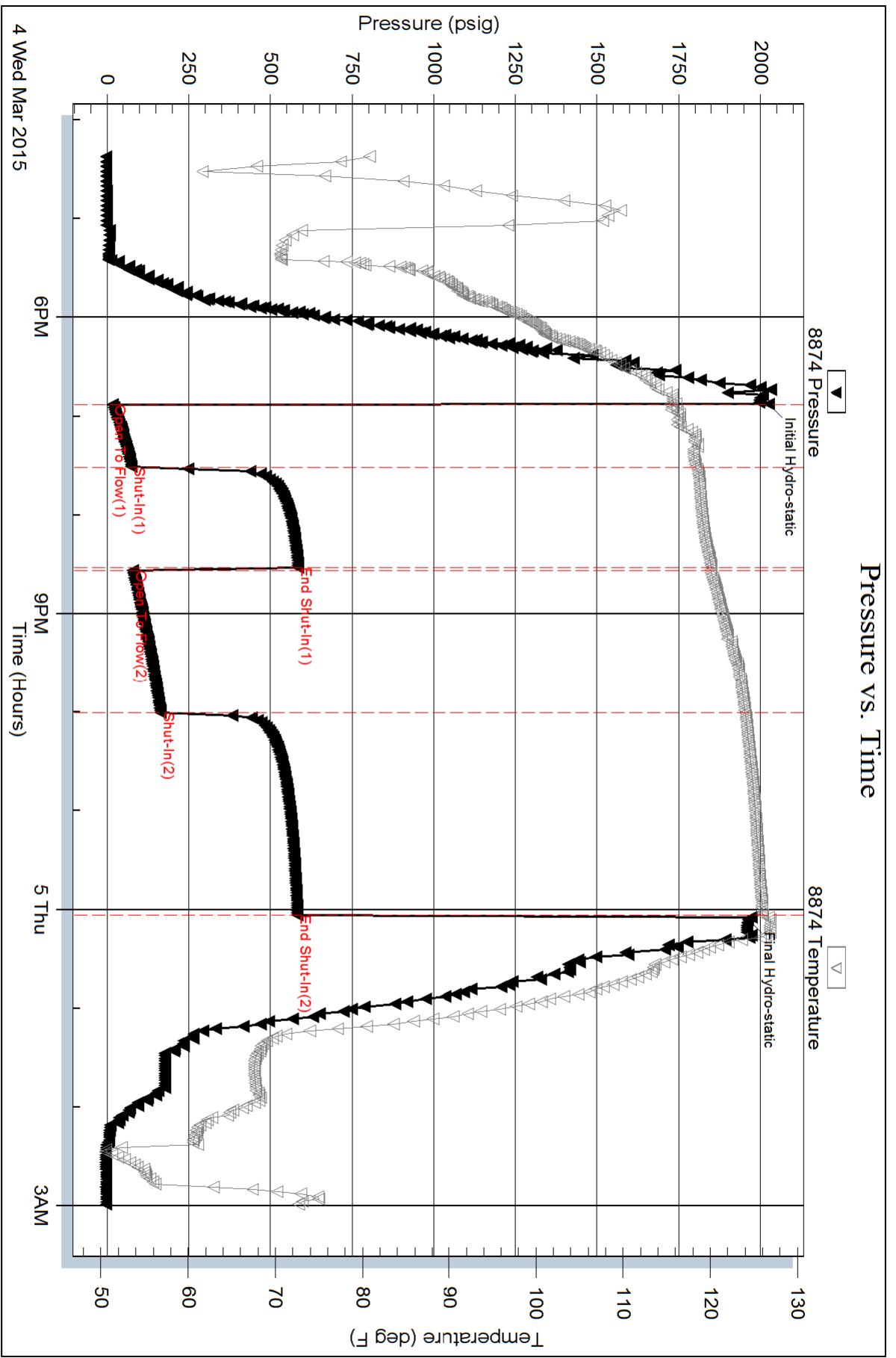
Serial #: 8874

Inside

Berexco LLC.

Kevin #1-9

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 60894

DST#: 2

ATTN: Bryan Bynog

Test Start: 2015.03.05 @ 15:57:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:18:30

Time Test Ended: 00:20:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4065.00 ft (KB) To 4165.00 ft (KB) (TVD)

Total Depth: 4165.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3182.00 ft (KB)

3171.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8653 Outside

Press @ Run Depth: 28.19 psig @ 4066.00 ft (KB)

Start Date: 2015.03.05

End Date:

2015.03.06

Start Time: 15:58:00

End Time:

00:20:00

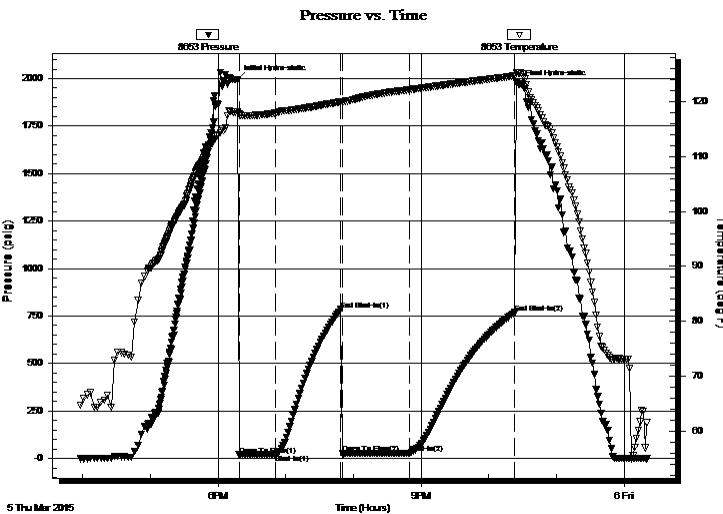
Capacity: 8000.00 psig

Last Calib.: 2015.03.06

Time On Btm: 2015.03.05 @ 18:17:00

Time Off Btm: 2015.03.05 @ 22:26:30

TEST COMMENT: 30 - IF- 1/4" Blow died to a Weak Surface Blow
60 - IS- No Return
60 - FF- No Blow
90 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.20	118.07	Initial Hydro-static
2	19.17	117.70	Open To Flow (1)
34	22.57	117.91	Shut-In(1)
92	783.50	119.95	End Shut-In(1)
93	24.86	119.94	Open To Flow (2)
153	28.19	122.17	Shut-In(2)
246	768.07	124.66	End Shut-In(2)
250	1971.35	125.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 60894

DST#: 2

ATTN: Bryan Bynog

Test Start: 2015.03.05 @ 15:57:00

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

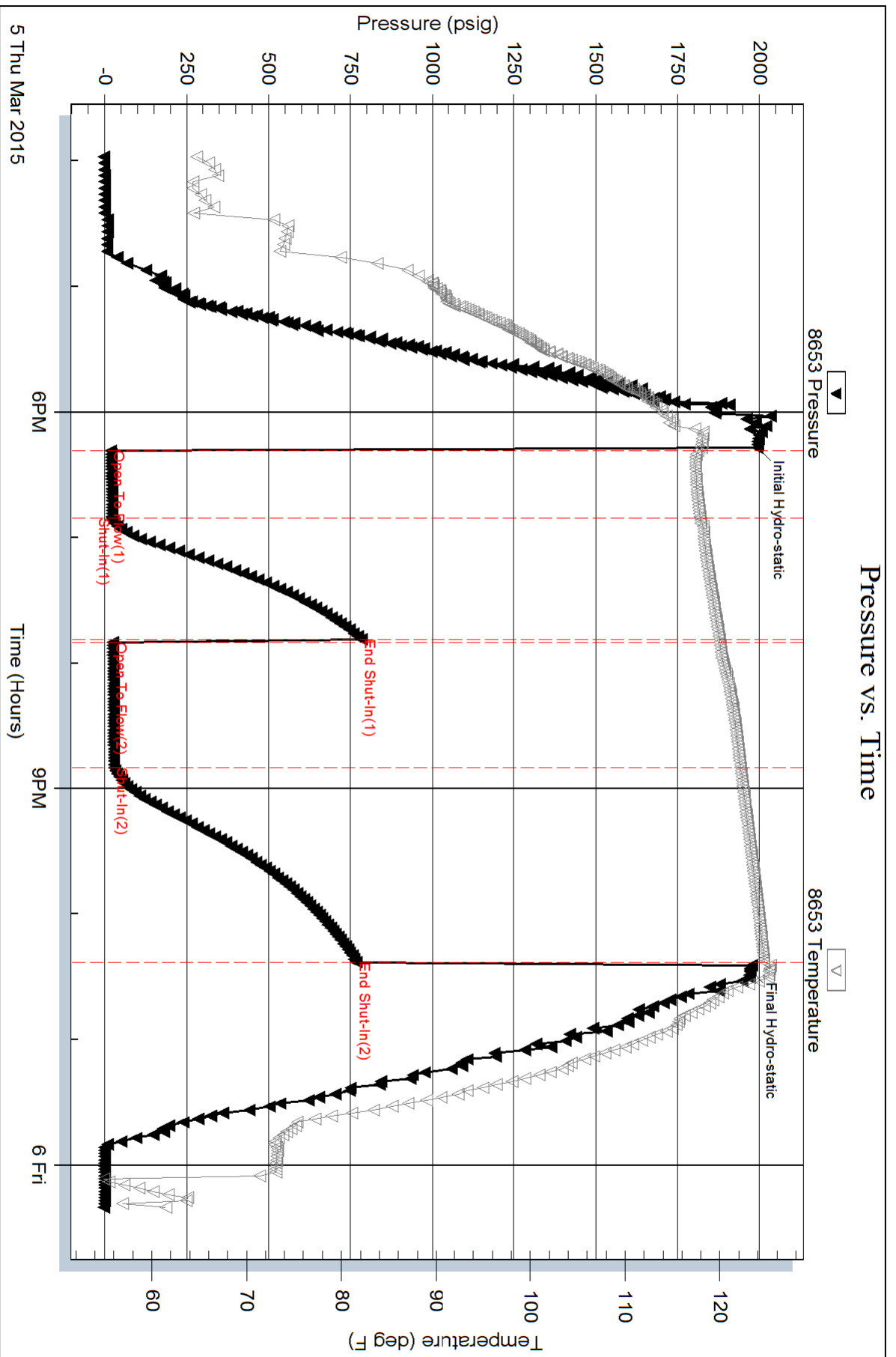
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 60895

DST#: 3

ATTN: Bryan Bynog

Test Start: 2015.03.06 @ 09:08:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:50:30

Time Test Ended: 17:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4150.00 ft (KB) To 4220.00 ft (KB) (TVD)

Reference Elevations: 3182.00 ft (KB)

Total Depth: 4220.00 ft (KB) (TVD)

3171.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8874

Inside

Press @ Run Depth: 19.62 psig @ 4151.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.06

End Date:

2015.03.06

Last Calib.:

2015.03.06

Start Time: 09:09:00

End Time:

17:45:30

Time On Btm:

2015.03.06 @ 11:48:00

Time Off Btm:

2015.03.06 @ 15:58:30

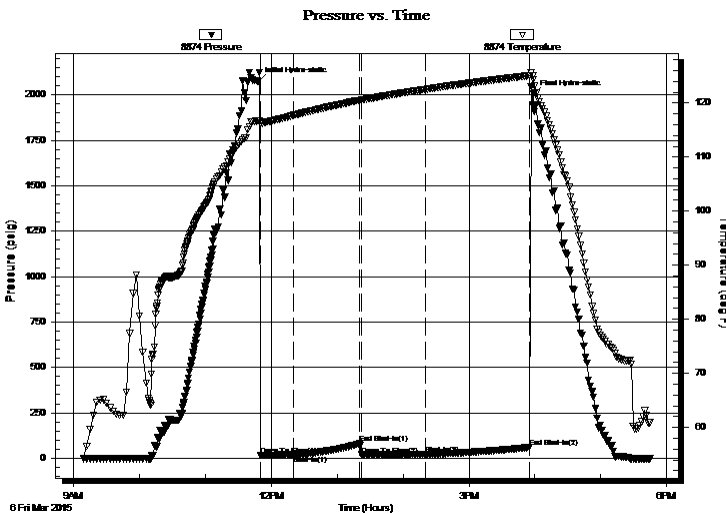
TEST COMMENT: 30 - IF- 1/4" Blow died back to weak Surface Blow

60 - IS- No Return

60 - FF- No Blow

90 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.81	116.69	Initial Hydro-static
3	17.31	116.16	Open To Flow (1)
33	18.14	117.73	Shut-In(1)
92	79.87	120.48	End Shut-In(1)
94	19.03	120.53	Open To Flow (2)
153	19.62	122.53	Shut-In(2)
247	60.08	125.05	End Shut-In(2)
251	2004.18	124.33	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
5.00	OSM 100M (oil spots)	0.02

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 60895

DST#: 3

ATTN: Bryan Bynog

Test Start: 2015.03.06 @ 09:08:00

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: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1100.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 100M (oil spots)	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

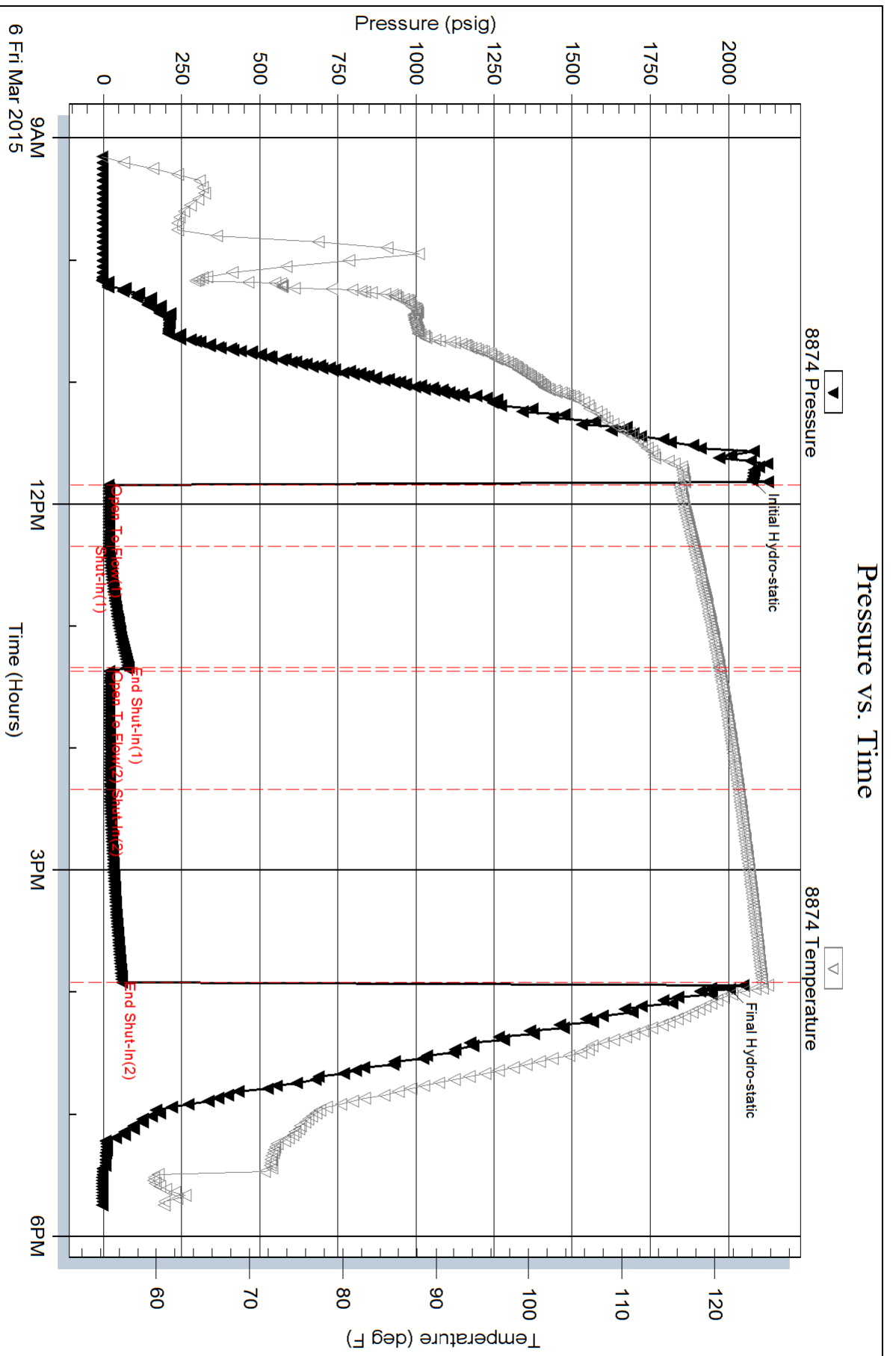
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 60896

DST#: 4

ATTN: Bryan Bynog

Test Start: 2015.03.09 @ 05:37:00

GENERAL INFORMATION:

Formation: **LKC "C,D,E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:42:00

Time Test Ended: 14:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4200.00 ft (KB) To 4360.00 ft (KB) (TVD)

Reference Elevations: 3182.00 ft (KB)

Total Depth: 4360.00 ft (KB) (TVD)

3171.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8874 Inside

Press@RunDepth: 45.61 psig @ 4201.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.09

End Date: 2015.03.09

Last Calib.: 2015.03.09

Start Time: 05:38:00

End Time: 14:07:00

Time On Btm: 2015.03.09 @ 07:40:00

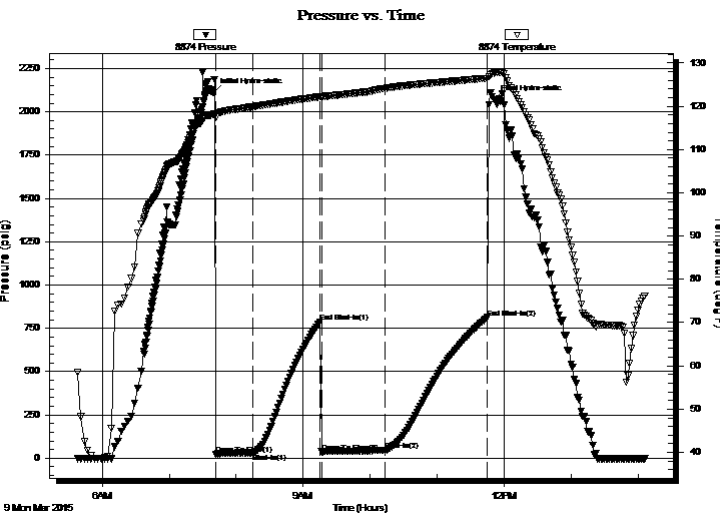
Time Off Btm: 2015.03.09 @ 11:51:00

TEST COMMENT: 30 - IF- 1" Blow built to 2"

60 - IS- No Return

60 - FF- No Blow

90 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.80	118.10	Initial Hydro-static
2	24.71	117.52	Open To Flow (1)
35	31.12	119.89	Shut-In(1)
95	785.04	122.21	End Shut-In(1)
97	37.24	122.06	Open To Flow (2)
154	45.61	124.15	Shut-In(2)
245	812.28	126.49	End Shut-In(2)
251	2069.46	127.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSM 100M (oil spots)	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 60896

DST#: 4

ATTN: Bryan Bynog

Test Start: 2015.03.09 @ 05:37:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSM 100M (oil spots)	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8874

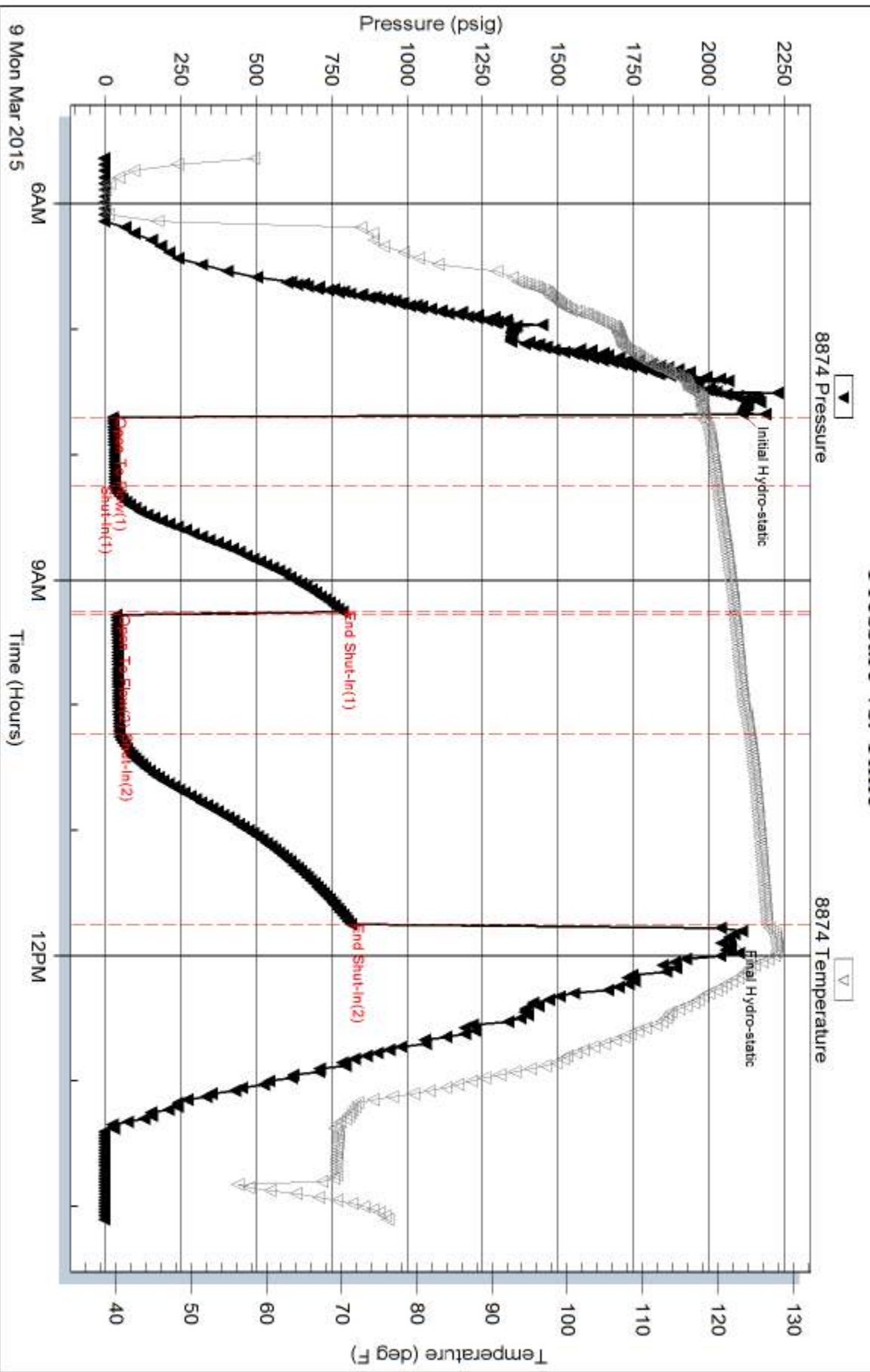
Inside

Berexco LLC.

Kevin #1-9

DST Test Number: 4

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 60896

Printed: 2015.03.09 @ 14:27:29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 62311

DST#: 5

ATTN: Bryan Bynog

Test Start: 2015.03.10 @ 16:34:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:00:40

Time Test Ended: 02:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 4495.00 ft (KB) To 4600.00 ft (KB) (TVD)

Reference Elevations: 3182.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD)

3171.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8322 Outside

Press@RunDepth: 108.42 psig @ 4496.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.10

End Date:

2015.03.11

Last Calib.: 2015.03.11

Start Time: 16:34:01

End Time:

02:15:00

Time On Btm: 2015.03.10 @ 20:00:30

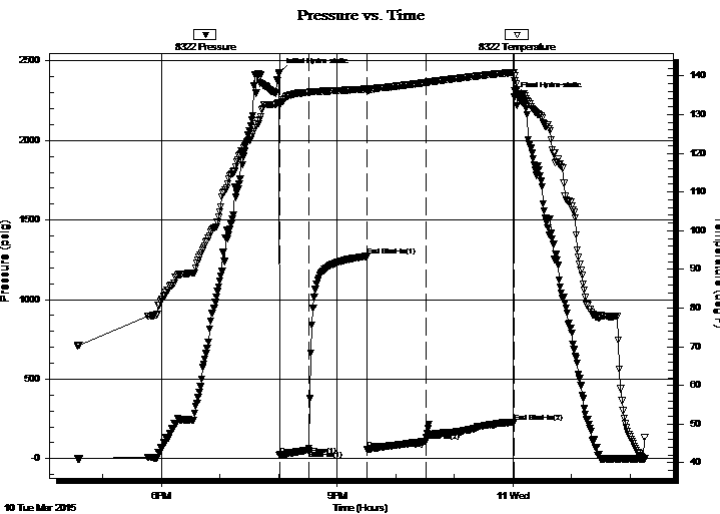
Time Off Btm: 2015.03.11 @ 00:01:30

TEST COMMENT: 30 IF - Surface blow built to 2"

60 ISI - No return

60 FF - No blow

90 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2428.02	133.05	Initial Hydro-static
1	21.25	132.43	Open To Flow (1)
30	53.29	135.71	Shut-In(1)
90	1271.59	136.58	End Shut-In(1)
90	58.65	136.26	Open To Flow (2)
150	108.42	138.28	Shut-In(2)
241	229.45	140.90	End Shut-In(2)
241	2273.01	140.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
58.00	MCW - 30%M - 70%W	0.29
174.00	MCW - 15%M - 85%W	0.86
58.00	WCM - 50%M - 50%W	0.29

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.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Kevin #1-9

Job Ticket: 62311

DST#: 5

ATTN: Bryan Bynog

Test Start: 2015.03.10 @ 16:34:00

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:

27000 ppm

Viscosity: 78.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
58.00	MCW - 30%M - 70%W	0.285
174.00	MCW - 15%M - 85%W	0.856
58.00	WCM - 50%M - 50%W	0.285

Total Length: 290.00 ft Total Volume: 1.426 bbl

Num Fluid Samples: 0

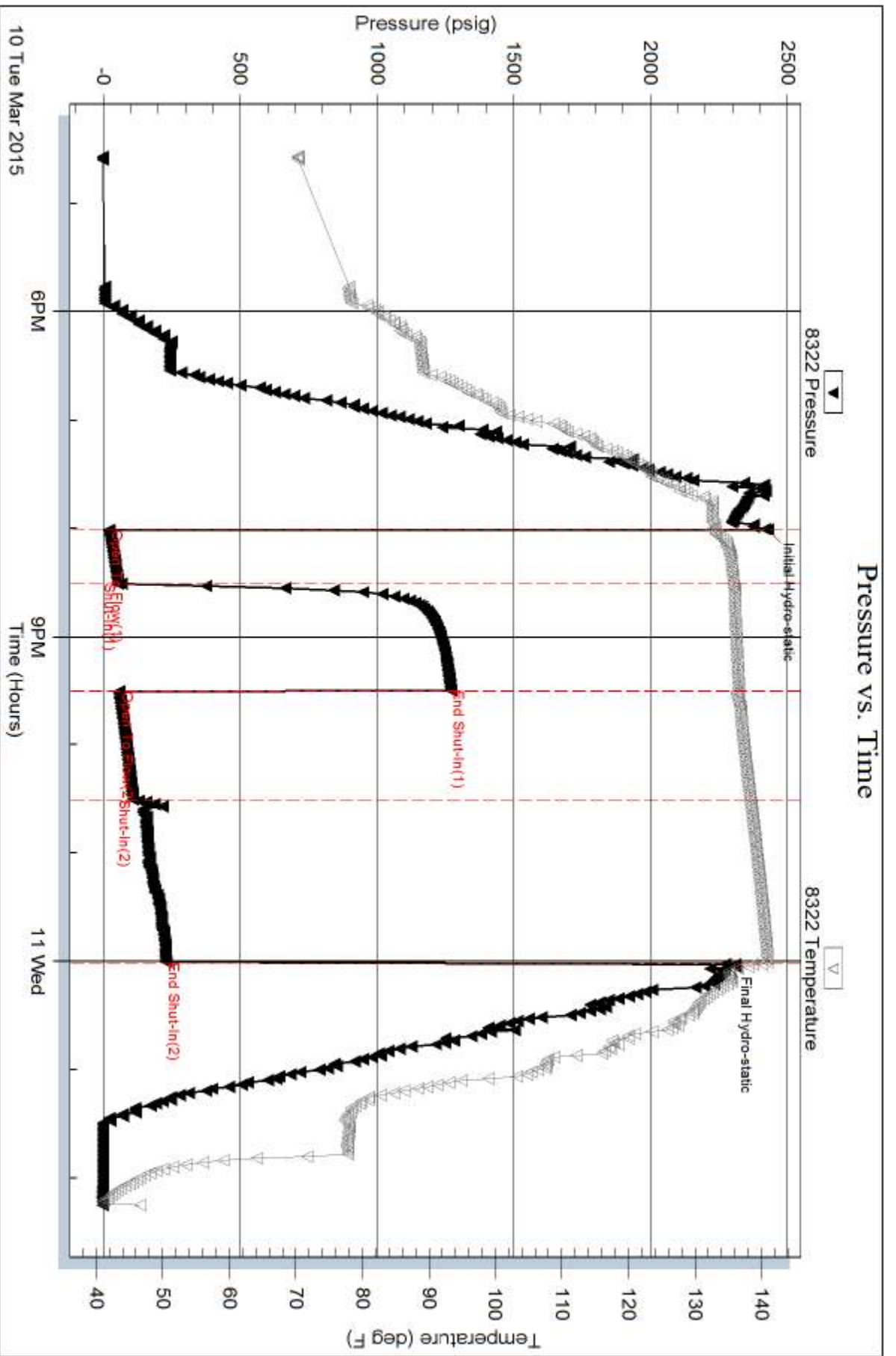
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .445 @ 44 DEG



WELL FILE

**BEREXCO, LLC.
KEVIN #1-9
N2NESW SECTION 9 1S-36W
RAWLINS COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, LLC.

WELL NAME & NUMBER: KEVIN #1-9

LOCATION: N2NESW SECTION 9 1S-36W

COUNTY: RAWLINS

STATE: KANSAS

SPUD DATE: 2-28-2015 COMPLETION DATE: 3-11-2015

ELEVATIONS: GL: 3171 KB: 3182

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: RAG, MICROLOG

WELLSITE ENGINEER: NONE

MUD COMPANY: MORGAN 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 3996-4050, DST#2 4065-4165,
DST#3 4150-4220, DST#4 4200-4360,
DST#5 4495-4600

WELL STATUS: P & A

DISCUSSION

Kevin #1-9 1S-36W was drilled a total depth of 4600 feet testing the Lansing Kansas City in Rawlins County, Kansas. This well was drilled with the help of seismic data and well control.

Structurally, Kevin #1-9 came in 23 feet low to the prognosis and low to productive wells in the area.

As a result of running low there were either tight zones with fair shows or wet zones with fair porosity development.

The Oread was the first quality live oil show, tested on drill stem test #1 only recovering mud or water. The Lansing A zone had poor shows and tested 15 feet of mud. The B zone was associated with a good drilling break and good sample shows. Drill stem test # 3 on the B zone recovered only 5 feet of oil cut mud with very low pressures. The C, D and E zones all had oil shows and were tested together on drill stem test #4 recovering 60 feet of oil spotted mud. The Pawnee was associated with a good drilling break but no shows. Drill stem test #5 was a straddle test after logs on the Pawnee that recovered 290 feet of watery mud or muddy water.

Logs agreed with sample evaluation recording fair porosity development but low resistive, porous zones indicating water or depleted reservoirs.

A decision was made to plug and abandon based on the poor drill stem test recoveries and log calculations.

KEVIN #1-9 SAMPLE DESCRIPTIONS

3650-3706 SHALE red,firm,silty

FORAKER

3706-20 LIMESTONE white,buff,hard,very sandy,poor porosity,no shows

3720-40 LIMESTONE pale gray,very hard,dense,blocky,shalywith thin SHALE gray,red,firm,silty

3740-52 LIMESTONE white,firm,chalky,sandy,poor vis porosity,no shows

3752-62 LIMESTONE pale gray,buff,very hard,dense,fossils,no shows

3762-3800 Shale red,green,soft,very argillaceous with thin LIMESTONE gray,very hard,dense,sandy,poor porosity,no shows

3800-3914 SHALE red,green,argillaceous with thin LIMESTONE pale gray,buff,hard,slightly fossils,dense,poor porosity,no shows

TOPEKA

3914-60 LIMESTONE buff,pale yell,very hard,dense,crptoxln, some Chert white with thin SHALE red,very soft,very argillaceous

3960-76 SANDSTONE red,friable,very fine grained,dirty,clay filled,poor porosity,no shows

3976-4036 SHALE red,soft,very argillaceous with thin LIMESTONE buff,hard,dense,blocky,no shows

KEVIN #1-9 SAMPLE DESCRIPTIONS

OREAD

4036-4046 GRAINSTONE white,firm,oolites,chalky in part,fair intergranular porosity,spotty live brown stain,very good cut,good show free oil

4046-60 LIMESTONE white,firm,very chalky,poor vis porosity,no shows

4060-80 LIMESTONE buff,pale gray,very hard,dense,crptoxln, abundant Chert white,orange,pyrite

4080-4107 SHALE gray,gray black,slightly hard,britt,slightly carbonaceous, with thin LIMESTONE brown,very hard,very dense,blocky,no shows

4107-11 SANDSTONE pale green,firm,very fine grained,clay filled,sileous,poor porosity,no shows

4111-32 SHALE red,very soft,very argillaceous

LANSING A

4132-36 GRAINSTONE off white,firm,oolitic,poor to fair intergranular porosity,spotty to even live brown stain,good cut,fair show free oil

4136-52 LIMESTONE buff,very hard,very dense,cprtoxln,no shows

4150-60 SHALE as above with thin SANDSTONE pale green,friable,very fine grained,clay filled,poor intrgr porosity,trace very rare black stain,faint cut,no free oil

KEVIN #1-9 SAMPLE DESCRIPTIONS

4160-88 SHALE red,soft,argillaceous silty in part

B ZONE

4188-92 LIMESTONE off white,firm,oolitic,clean,fair intergranular and vuggy porosity,spotty live brown stain,good cut,fair show free oil

4200-4200 LIMESTONE buff,very hard,crptoxln,poor porosity,very spotty poor pinpoint vuggy porosity,live brown stain,fair cut,poor show free oil

4200-44 SHALE red,green,firm,silty with thin LIMESTONE light gray,very ,hard,dense,crptoxln,no shows

C ZONE

4244-55 LIMESTONE white,buff,firm,slightly fossils,chalky in part,poor pinpoint vuggy porosity,spotty faint brown stain,poor faint cut,no free oil

4255-64 LIMESTONE buff,very hard,dense,crptoxln,no shows

4264-87 SHALE red,green,firm,fissile

D ZONE

4387-90 LIMESTONE pale gray,firm,fossils,slightly chalky,poor intergranular porosity,spotty live brown stain,fair cut,poor show free oil

4290-98 LIMESTONE white,buff,hard,bllky,dense,abundant chalky poor porosity,no shows

KEVIN #1-9 SAMPLE DESCRIPTIONS

4298-4334 SHALE as above becoming very soft,very argillaceous

E ZONE

4334-37 LIMESTONE white,firm,chalky,poor pinpoint porosity,spotty live brown stain,fair cut,no free oil

4338-45 LIMESTONE buff,hard,dense,crptoxln,poor porosity,no shows

4345-78 SHALE green,red,firm,fissile, some very sandy

F ZONE

4378-90 LIMESTONE white,buff,hard,dense,poor porosity,no shows some rare poor pinpoint vuggy porosity,rare black dead stain

4390-496 SHALE as above

4396-4430 LIMESTONE buff,very hard,dense,blocky,crptoxln,no shows with thin SHALE as above

4430-50 SHALE as above with thin LIMESTONE as above

4450-89 SHALE red,green,soft,very argillaceous with thin LIMESTONE buff,very hard,dense,no shows

4488-4500 LIMESTONE buff,pale gray,very hard,dense,slightly argillaceous,crptoxln,no shows

KEVIN #1-9 SAMPLE DESCRIPTIONS

4500-22 SHALE as above,some gray,firm fissile

PAWNEE

2

4522-34 LIMESTONE off white,firm,oolitic,slightly chalky,poor to fair intergranular and pinpoint vuggy porosity,no shows

4534-38 LIMESTONE buff,very hs,dense,blocky,no shows

4538-50 SHALE green,soft,very argillaceous

4550-72 SHALE red,green,gray,firm,fissile

4572-4600 LIMESTONE pale gray,very hard,dense,blocky,crptoxln,no shows with thin SHALE as above some black,dark gray

RTD 4600'

LTD 4599'

ALLIED OIL & GAS SERVICES, LLC 063849

Federal Tax I.D. # 20-8651478

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

SERVICE POINT: Oakley, TX

DATE <u>3/11/15</u>	SEC. <u>Q</u>	TWR <u>1</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30</u>	JOB FINISH <u>5:30</u>
LEASE <u>Kuwo</u>	WELL # <u>1-9</u>	LOCATION <u>Mellonville RTCC</u>			COUNTY <u>Haskell</u>	STATE <u>OK</u>	
OLD OR NEW (Circle one)		<u>11a NE 51th</u>					

CONTRACTOR Burford 10

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D.

CASING SIZE 8 5/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

FRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER Sams 103

CEMENT

AMOUNT ORDERED 255 60/40 4000
74765

EQUIPMENT

PUMP TRUCK CEMENTER Alan Ryan 1

495 211 HELPER Kevin Ryan 2

BULK TRUCK DRIVER Barry Racette 2

323

BULK TRUCK DRIVER

COMMON 255 @ 18.90 4829.60

PGZMIX @

GEL @

CHLORIDE @

ASC @

PT Seal 6476 @ 277 1790.00

Material Take @ 504.68

(2000.00/40) @

HANDLING 27.50 @ 2.10 577.50

MILEAGE 25 11.436 700 1572.75

REMARKS:

50 SIL @ 3140

100 SIL @ 2225

50 SIL @ 357

10 SIL @ 40

153H - 11H

205H - 11H

Therrell

Hayden

TOTAL 571.80

CHARGE TO: Burford

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 3140

PUMP TRUCK CHARGE 2600.47

EXTRA FOOTAGE @

MILEAGE 50 @ 36.47 1823.50

MANIFOLD @

(2094.86/40) TOTAL 5037.17

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

8 5/8 wood plug @ 110.00

@

@

@

@

TOTAL 110.00

PRINTED NAME Gilbert Davila Sr

SIGNATURE [Signature]

SALES TAX (if any) 818.58

TOTAL CHARGES 10,361.85

DISCOUNT 4,100.74 (40%) IF PAID IN 30 DAYS

6261.11 Net



CEMENTING LOG

STAGENO.

Date: 3/11/15 District: Rolling H Ticket No: 06849
 Company: Arco Rig: Arco 101
 Lease: Arco Well No: 101
 County: Arco State: TX
 Location: _____ Field: _____

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size: 8 1/2 Type: _____ Weight: _____ Collar: _____

Casing Depth: Top _____ Bottom _____

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

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0633 Lin. ft./Bbl. _____
 Open Hole: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .026 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 101/1000 gal
 Amt. 203 Sks Yield 1/2 Excess _____
 ft³/sk Density 12.5 PPG

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

WATER Lead 69 gals/sk Tail _____ gals/sk Total _____ Bbls.
 Pump Trucks Used 3
 Bulk Equip. 3

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

COMPANY REPRESENTATIVE _____ CEMENTER ML

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Rated	
						Injection 500 SKS 50%
				8 1/2	10%	Max 50 SKS - Displace w/ mud @ 3140
				8 1/2	7%	Max 50 SKS @ 2325
				8 1/2	7%	Max 50 SKS @ 305
				7	5%	Max 10 SKS @ 48
				5	2%	Max 30 SKS @ 11
				2 1/2	1%	Max 15 SKS @ 11
						Job Complete