



1136176

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
----------------	-------	---------	------------	---

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: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Vada 1-17
Doc ID	1136176

Tops

Name	Top	Datum
Anhydrite	3176	+40
Anhydrite (base)	3210	+6
Foraker	3746	-530
Topeka	3964	-748
Oread	4104	-888
Lansing A	4178	-962
Lansing B	4244	-1028
Lansing C	4298	-1082
Lansing D	4336	-1120
Lansing E	4384	-1168
Lansing F	4426	-1210
Pawnee	4584	-1368
RTD	4750	-1534
LTD	4745	-1529

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

April 23, 2013

Rodney Reynolds
BEREXCO LLC
2020 N. BRAMBLEWOOD
WICHITA, KS 67206-1094

Re: ACO1
API 15-023-21360-00-00
Vada 1-17
SW/4 Sec.17-01S-37W
Cheyenne County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Rodney Reynolds



CEMENTING LOG

STAGE NO. 1111

Date: 3/12/13 District: Doble Ticket No: 06013
 Company: Becons Rig: B-10010
 Lease: Woda Well No: 1-17
 County: Chiyana State: AI
 Location: _____ Field: _____

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

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size: 8 5/8 Type: Non Weight: 24 Collar: _____

LEAD: Pump Time _____ hrs. Type: Con 2000 cc 200 gal
 Excess _____
 Amt: 225 Skys Yield: 1.34 ft³/sk Density: 1.80 PPG

Casing Depths: Top: RB Bottom: 316

TAIL: Pump Time _____ hrs. Type: _____
 Excess _____
 Amt: _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead: 6.5 gals/sk Tail _____ gals/sk Total _____ Bbls.

Drill Pipe: Size: 4 1/2 Weight _____ Collars _____
 Open Hole: Size: 12 1/4 T.D. _____ ft. P.B. to _____ ft.

Pump Trucks Used: 422
 Bulk Equip.: 2111

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.637 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. _____

Float Equip: Manufacturer _____
 Shoe: Type None Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

Special Equip. _____
 Disp. Fluid Type: H₂O Amt: 12.17 Bbls. Weight: 834 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE: Ed Haines Randy [Signature] CEMENTER: [Signature]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
2:30						<u>321.57 x 0.637 = 17.1732</u> <u>1111</u>
						<u>Location 575 ft, set pipe</u>
						<u>blue clay circulation</u>
	<u>48</u>			<u>350</u>		<u>100 cement</u>
	<u>200</u>			<u>18.0</u>		<u>100 place cement</u>
	<u>200</u>					<u>shut in</u>
10:30						<u>job complete</u>
						<u>Cement 2.0</u>
						<u>Circulate</u>
						<u>Thank U</u>
						<u>Ann 8 5/8 JT in Hole, Put back in joint</u>
						<u>On, took bit off then 1 8 5/8 put bit</u>
						<u>back on. Suggested hole 30' 8 5/8 +</u>
						<u>1.5 in Hole. with 18.0 H₂O for displacement</u>



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC.

17-1S-37W Cheyenne, KS

2020 N Bramble od
Wichita, KS 67206

Vada B #1-17

Job Ticket: 51215

DST#: 1

ATTN: Bryan Bynog

Test Start: 2013.03.18 @ 06:01:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:43:15

Time Test Ended: 16:42:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 4120.00 ft (KB) To 4210.00 ft (KB) (TVD)

Reference Elevations: 3216.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

3205.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6799

Inside

Press @ RunDepth: 51.10 psig @ 4121.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.18

End Date:

2013.03.18

Last Calib.: 2013.03.20

Start Time: 06:01:05

End Time:

16:42:45

Time On Btm: 2013.03.18 @ 09:43:00

Time Off Btm: 2013.03.18 @ 14:42:00

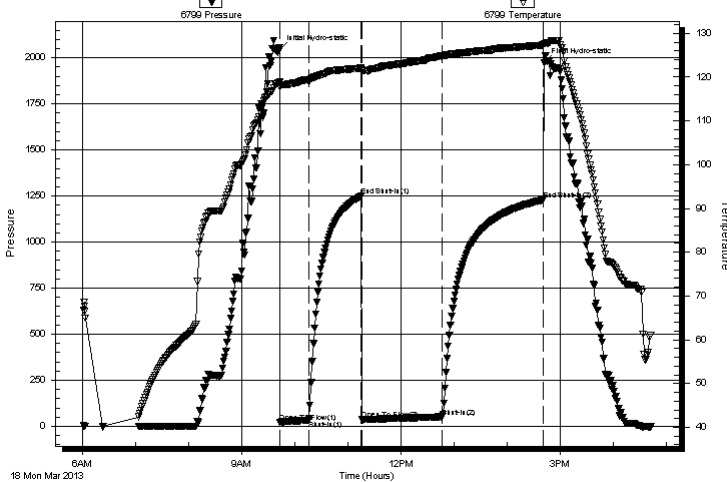
TEST COMMENT: 30 - IF- 1/2" Blow built to 1"

60 - IS- No Return

90 - FF- No Blow

120 - FS- No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2046.47	118.93	Initial Hydro-static
1	21.12	117.78	Open To Flow (1)
33	32.69	119.30	Shut-In(1)
92	1249.25	122.05	End Shut-In(1)
93	35.27	121.59	Open To Flow (2)
184	51.10	124.83	Shut-In(2)
298	1229.42	127.32	End Shut-In(2)
299	1973.74	127.60	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.

17-1S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Vada B #1-17

Job Ticket: 51215

DST#: 1

ATTN: Bryan Bynog

Test Start: 2013.03.18 @ 06:01:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 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:

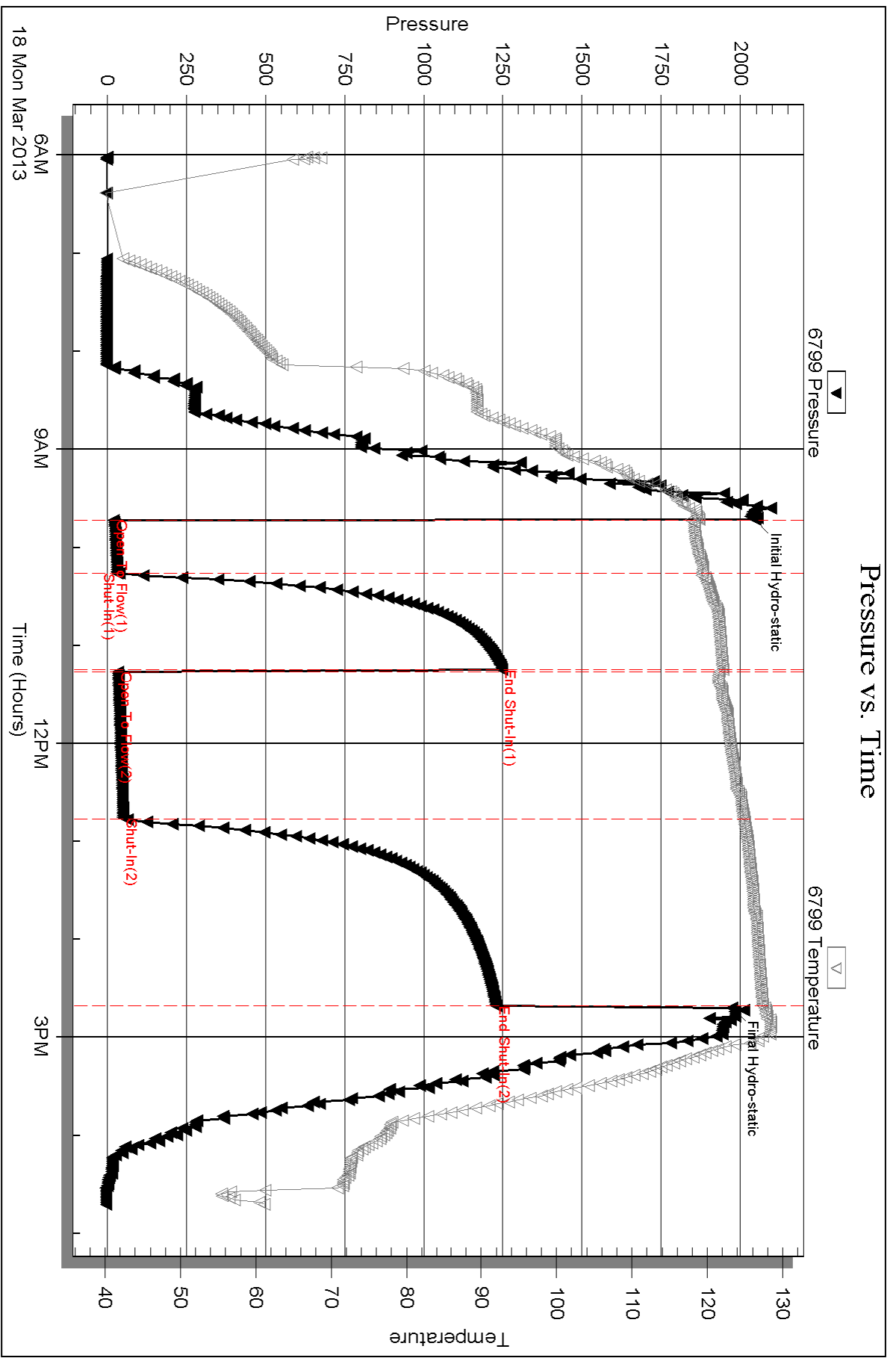
Serial #: 6799

Inside

Berexco, LLC.

Vada B#1-17

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC.

17-1S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Vada B #1-17

Job Ticket: 51216

DST#: 2

ATTN: Bryan Bynog

Test Start: 2013.03.19 @ 12:42:00

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:48:00

Time Test Ended: 23:19:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 4190.00 ft (KB) To 4350.00 ft (KB) (TVD)

Reference Elevations: 3216.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

3205.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 242.27 psig @ 4191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.19

End Date:

2013.03.19

Last Calib.:

2013.03.19

Start Time:

12:42:05

End Time:

23:19:15

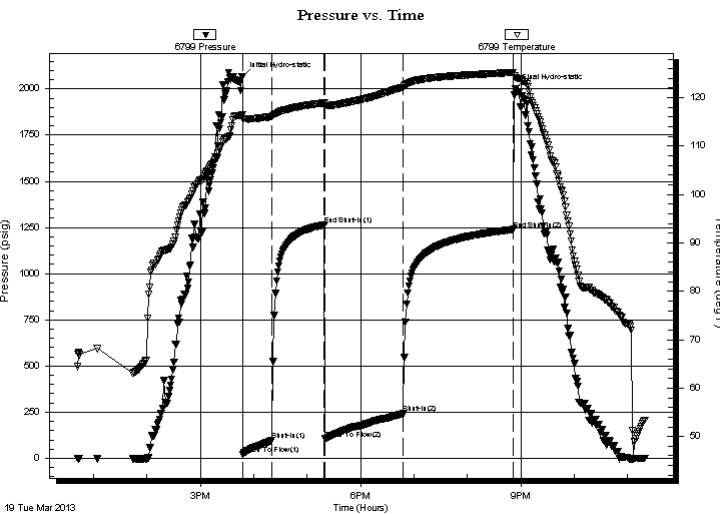
Time On Btm:

2013.03.19 @ 15:47:45

Time Off Btm:

2013.03.19 @ 20:53:30

TEST COMMENT: 30 - IF- 1/2" Blow built to 3"
60 - IS- No Return
90 - FF- Surface Blow started at 5 min. Built to 9"
120 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.51	116.44	Initial Hydro-static
1	23.44	115.65	Open To Flow (1)
33	97.44	116.14	Shut-In(1)
92	1264.40	118.92	End Shut-In(1)
93	105.18	118.42	Open To Flow (2)
181	242.27	122.17	Shut-In(2)
304	1239.14	125.23	End Shut-In(2)
306	1999.85	124.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	WM 60M 40W	1.18
240.00	OSM 100M (oil spots)	1.18

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC.

17-1S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Vada B #1-17

Job Ticket: 51216

DST#: 2

ATTN: Bryan Bynog

Test Start: 2013.03.19 @ 12:42:00

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

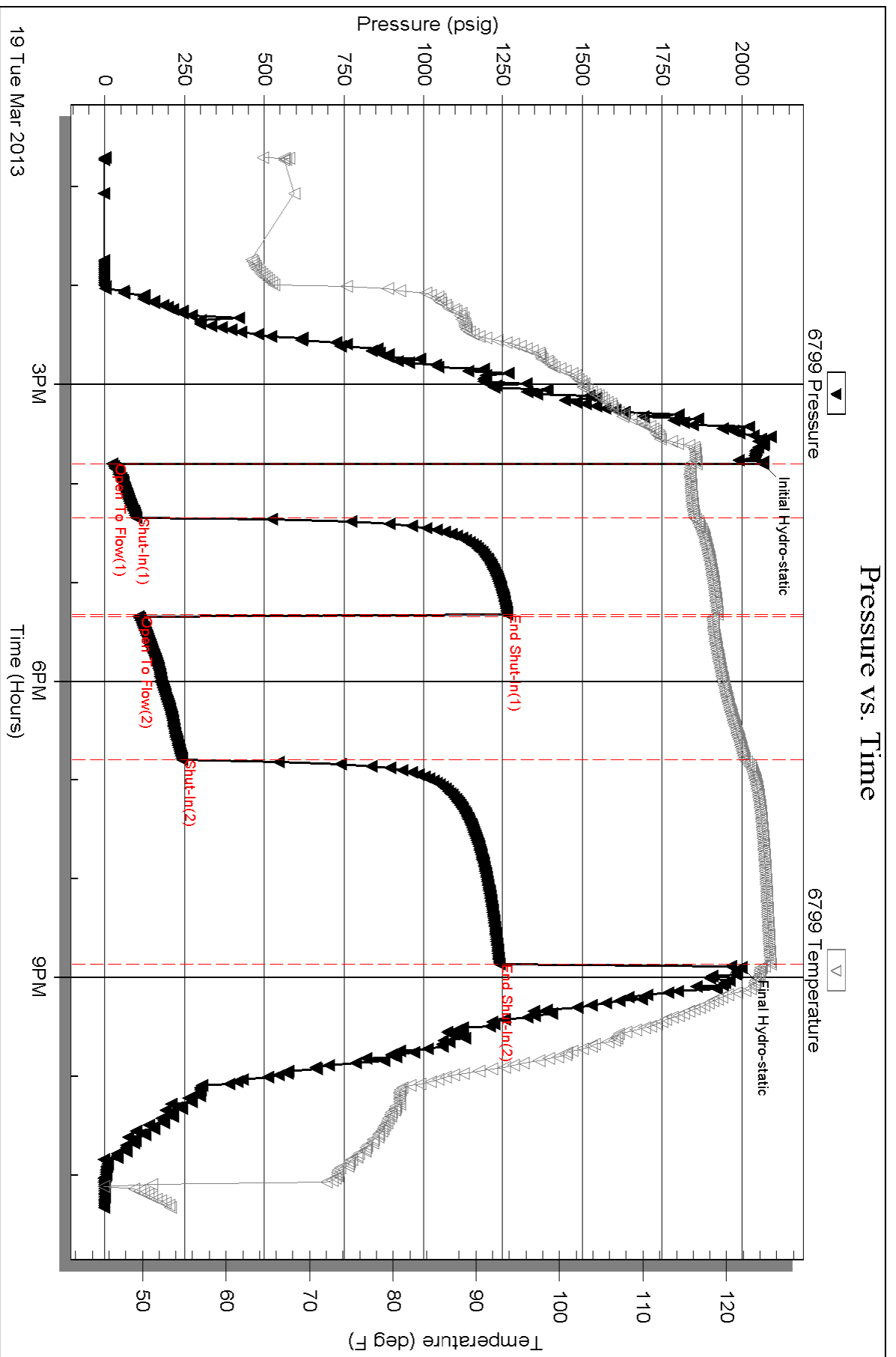
Length ft	Description	Volume bbl
240.00	WM 60M 40W	1.180
240.00	OSM 100M (oil spots)	1.180

Total Length: 480.00 ft Total Volume: 2.360 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .58 @ 64 deg = 12,000ppm





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC.

17-1S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Vada B #1-17

Job Ticket: 51217

DST#: 3

ATTN: Bryan Bynog

Test Start: 2013.03.20 @ 11:00:00

GENERAL INFORMATION:

Formation: **LKC "E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:08:45

Time Test Ended: 20:11:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 4342.00 ft (KB) To 4405.00 ft (KB) (TVD)

Reference Elevations: 3216.00 ft (KB)

Total Depth: 4405.00 ft (KB) (TVD)

3205.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 19.32 psig @ 4343.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.20

End Date:

2013.03.20

Last Calib.:

2013.03.20

Start Time: 11:00:05

End Time:

20:11:30

Time On Btm:

2013.03.20 @ 14:07:45

Time Off Btm:

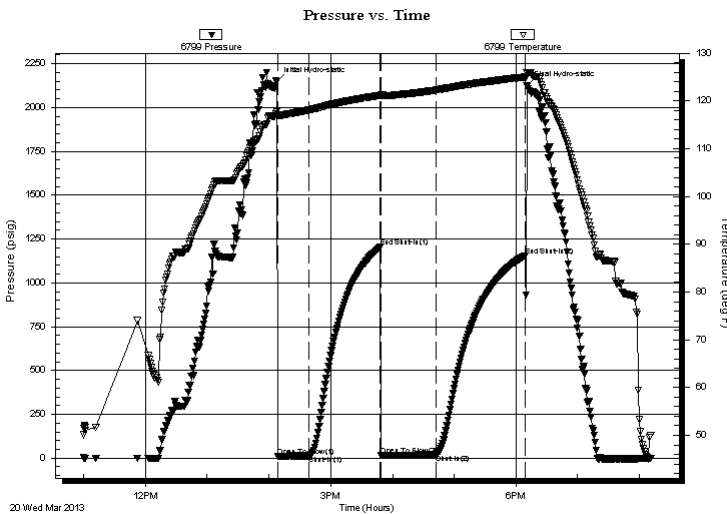
2013.03.20 @ 18:10:30

TEST COMMENT: 30 - IF- 1/8" Blow built to 1/4"

60 - IS- No Return

60 - FF- No Blow

90 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.96	117.70	Initial Hydro-static
1	10.36	117.07	Open To Flow (1)
31	13.06	118.17	Shut-In(1)
100	1202.54	121.15	End Shut-In(1)
101	14.43	121.19	Open To Flow (2)
155	19.32	122.25	Shut-In(2)
241	1155.21	125.00	End Shut-In(2)
243	2124.70	125.95	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.

17-1S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Vada B #1-17

Job Ticket: 51217

DST#: 3

ATTN: Bryan Bynog

Test Start: 2013.03.20 @ 11:00:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 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:

Serial #: 6799

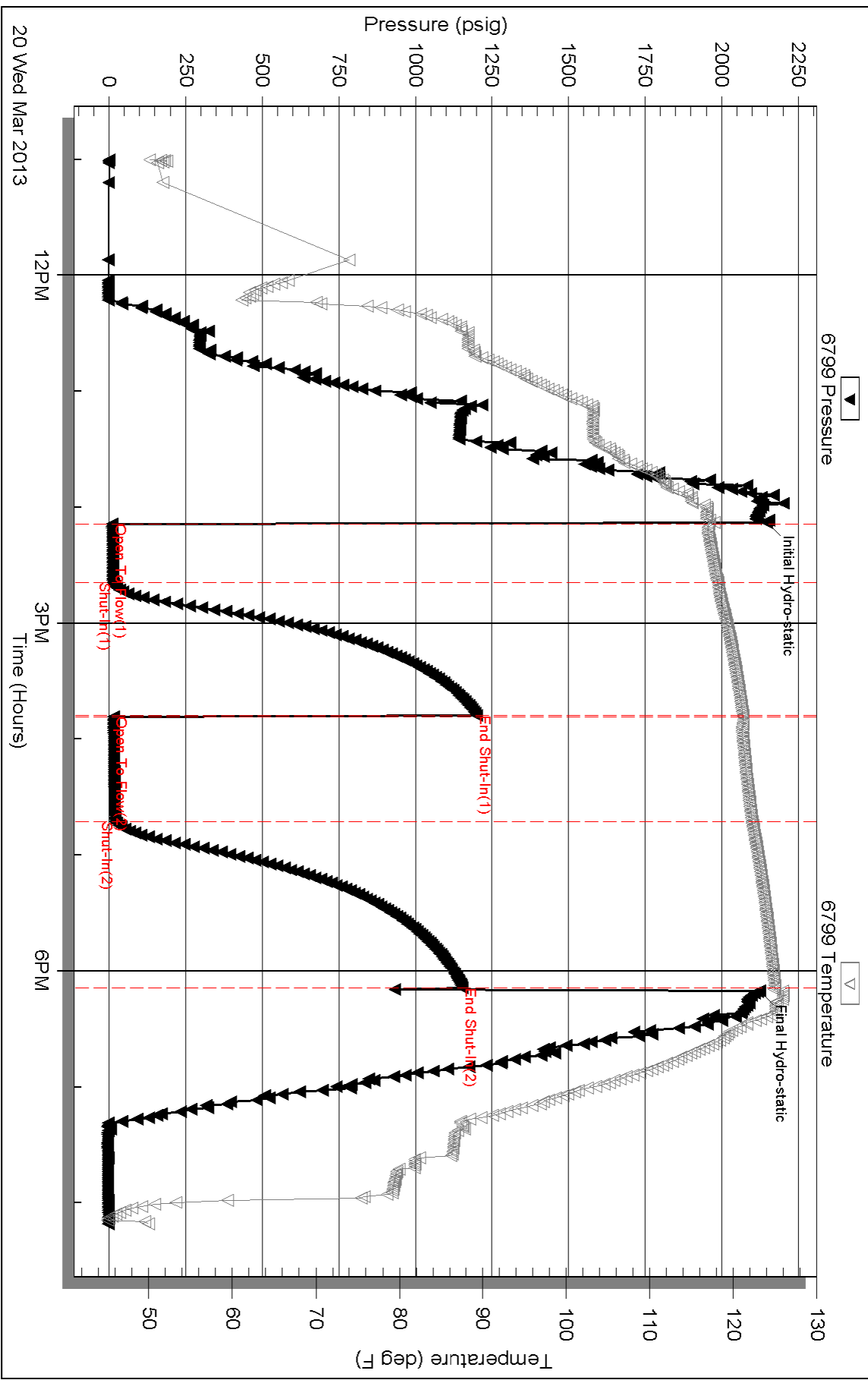
Inside

Berexco, LLC.

Vada B#1-17

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 51217

Printed: 2013.03.21 @ 07:47:44



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC.

17-1S-37W Cheyenne, KS

2020 N Bramble od
Wichita, KS 67206

Vada B #1-17

Job Ticket: 51218

DST#: 4

ATTN: Bryan Bynog

Test Start: 2013.03.21 @ 18:39:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:42:45

Time Test Ended: 07:52:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 4562.00 ft (KB) To 4597.00 ft (KB) (TVD)

Total Depth: 4597.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3216.00 ft (KB)

3205.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6799 Inside

Press @ Run Depth: 399.41 psig @ 4563.00 ft (KB)

Start Date: 2013.03.21

End Date:

2013.03.22

Start Time: 18:39:05

End Time:

07:52:00

Capacity: 8000.00 psig

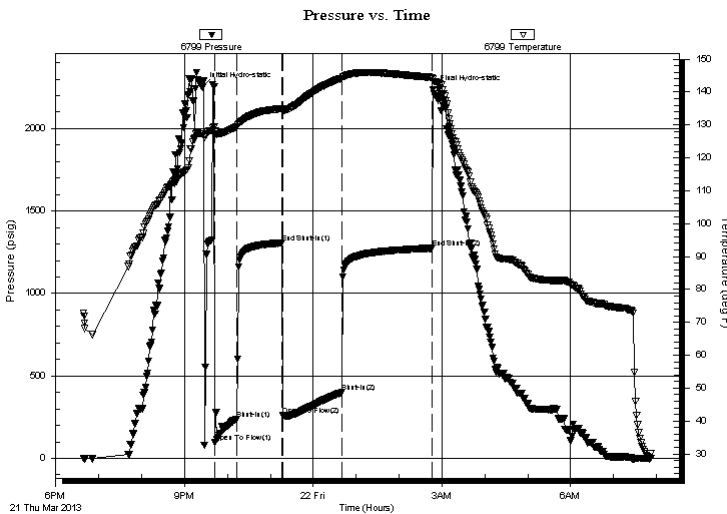
Last Calib.: 2013.03.22

Time On Btm: 2013.03.21 @ 21:25:30

Time Off Btm: 2013.03.22 @ 02:47:15

TEST COMMENT: 30 - IF- BoB in 10 min.
60 - IS- Surface Return started at 1 min Built to 3"
90 - FF- BoB in 8 min.
120 - FS- Surface Return started at 30 sec. Built to 6 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.25	127.28	Initial Hydro-static
18	97.24	128.12	Open To Flow (1)
48	239.06	129.51	Shut-In(1)
111	1305.60	134.93	End Shut-In(1)
112	260.34	134.47	Open To Flow (2)
195	399.41	144.19	Shut-In(2)
321	1274.49	144.45	End Shut-In(2)
322	2238.41	143.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Clean Gassy Oil 80o 20G	2.46
528.00	MCO 60o 40M	6.55
0.00	2420' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC.

17-1S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Vada B #1-17

Job Ticket: 51218

DST#: 4

ATTN: Bryan Bynog

Test Start: 2013.03.21 @ 18:39:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	Clean Gassy Oil 80o 20G	2.459
528.00	MCO 60o 40M	6.550
0.00	2420' GIP	0.000

Total Length: 1028.00 ft Total Volume: 9.009 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

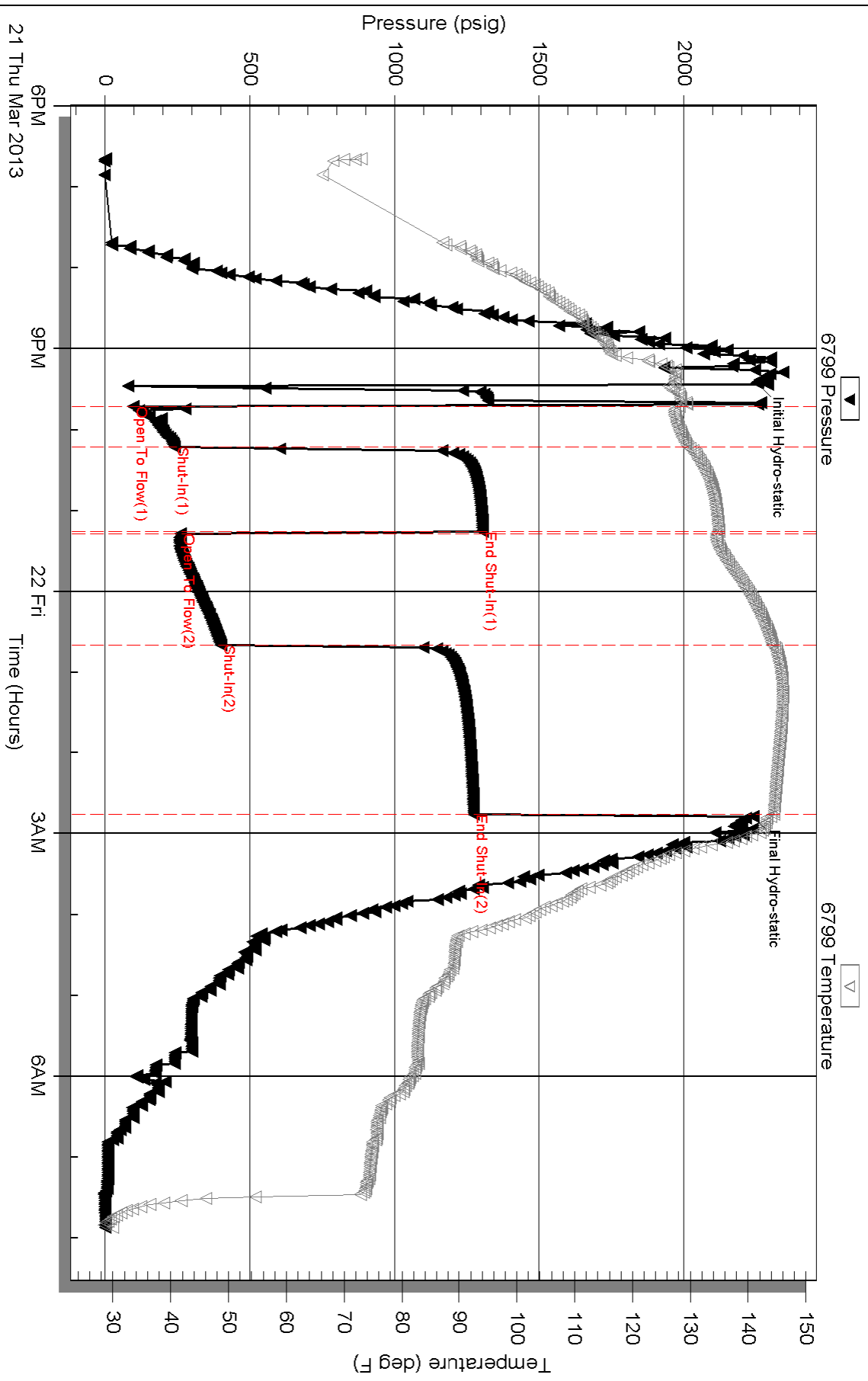
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 38 @ 80 deg = 36 cor.

Pressure vs. Time



ALLIED OIL & GAS SERVICES, LLC

060189

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Oakley

DATE <u>3-23-13</u>	SEC. <u>17</u>	TWP. <u>1</u>	RANGE <u>37</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 Am</u>	JOB FINISH <u>6:05 Am</u>
LEASE <u>Vada</u>	WELL# <u>7-17</u>	LOCATION <u>Bird City Nto AA E To Rd 30</u>			COUNTY <u>Cheyenne</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)			<u>N+E into</u>				

CONTRACTOR Berexco #10

TYPE OF JOB Production

HOLE SIZE <u>7 7/8</u>	T.D. <u>4745'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4748'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>43.22</u>
CEMENT LEFT IN CSG. <u>43.22</u>	
PERFS.	
DISPLACEMENT <u>112.09 bbl</u>	

EQUIPMENT

OWNER Same

CEMENT

AMOUNT ORDERED 275 SKs Com 10% Salt
2% Gel 5" Gilsonite
500 SKs ALW 3/4" Floseal

COMMON <u>275 SKs</u>	@ <u>\$17.90</u>	\$ <u>4922.50</u>
POZMIX	@	
GEL <u>5 SKs</u>	@ <u>\$23.40</u>	\$ <u>117.00</u>
CHLORIDE	@	
ASC	@	
ALW Lite <u>500 SKs</u>	@ <u>\$15.95</u>	\$ <u>7975.00</u>
Salt <u>29 SKs</u>	@ <u>\$26.35</u>	\$ <u>764.15</u>
Gilsonite <u>1375 #</u>	@ <u>\$98.</u>	\$ <u>1347.50</u>
Floseal <u>375 #</u>	@ <u>\$2.92</u>	\$ <u>1113.75</u>
HANDLING <u>913.4 CF X</u>	@ <u>\$2.48</u>	\$ <u>2265.23</u>
MILEAGE <u>32.97 X 50 X</u>	@ <u>\$2.40</u>	\$ <u>4936.10</u>
		TOTAL <u>\$23441.23</u>

PUMP TRUCK CEMENTER Darren Racette

120 HELPER Tyler Flipse - John Robertson

BULK TRUCK DRIVER Darrin Hoeb

600

BULK TRUCK DRIVER Kevin Ryan

566-595

REMARKS:

Pump Pull Through 600#

Plug m.H. 10 SKs

Plug R.H. 15 SKs

mix 475 SKs Cement (ALW) + 275 SKs Com

Displace with water

Land Plug 1800# Lift 1400#

Flood Did Hold Cement Didnt Circulate

Thank You

SERVICE

DEPTH OF JOB <u>4748'</u>		
PUMP TRUCK CHARGE		\$ <u>2765.35</u>
EXTRA FOOTAGE	@	
MILEAGE <u>50</u>	@ <u>\$7.70</u>	\$ <u>385.00</u>
MANIFOLD <u>Head</u>	@	NC.
<u>LV mileage</u>	@ <u>\$4.40</u>	NC.
		TOTAL <u>\$3150.75</u>

CHARGE TO: Berexco LLC

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>5/2 Industrial Rubber</u>		
<u>1-ACU Float Shoe</u>	@	\$ <u>232.00</u>
<u>1-Latch Down Plug Assy</u>	@	\$ <u>184.00</u>
<u>4-Baskets</u>	@ <u>\$178.00</u>	\$ <u>712.00</u>
<u>12-Centralizers</u>	@ <u>\$7.70</u>	\$ <u>888.00</u>
<u>24-Scratchers (Ricip)</u>	@ <u>\$46.00</u>	\$ <u>1104.00</u>
		TOTAL <u>\$3120.00</u>

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 29711.98

DISCOUNT 7,725.11 IF PAID IN 30 DAYS

21,986.86 Net.

PRINTED NAME _____

SIGNATURE David Powell

well file

**BEREXCO, LLC.
VADA B # 1-17
NESW SECTION 17 1S-37W
CHEYENNE COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, LLC.

WELL NAME & NUMBER: VADA B # 1-17

LOCATION: NESW SECTION 17 1S-37W

COUNTY: CHEYENNE

STATE: KANSAS

SPUD DATE: 3-12-2013 COMPLETION DATE: 3-23-2012

ELEVATIONS: GL: 3205' KB: 3216'

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 4120-4210, DST#2 4190-4350,
DST#3 4342-4405, DST#4 4562-4597

WELL STATUS: SET 5 ½ PRODUCTION CASING

VADA B 1-17 SAMPLE DESCRIPTIONS

Beredco Rig 10 drilling 7 7/8 hole

ANHYDRITE 3172(+44) S

3176(+40) L

BASE 3206(+10) S

3210(+6) L

SAMPLE DESCRIPTIONS

3500- 65 SHALE red,firm,very silty

3565-3624 SHALE red,soft,very argillaceous,sly in part

3624-34 LIMESTONE white,hard,sandy,dense, poor porosity,trace dead black stain

VADA B 1-17 SAMPLE DESCRIPTIONS

3930-68 SHALE as above

TOPEKA

3960-82 LIMESTONE white,firm,chalky,poor porosity,very spotty dead black stain

3982- 4006 LIMESTONE white,hard,dense,smth texture,blocky,chalky in part,no shows

4006-38 SHALE red,soft,very argillaceous

4038 -50 LIMESTONE buff,very hard,very dense, smth texture,some chalky in part

4050-94 SHALE red,firm,blocky,argillaceous

OREAD

4096-4110 LIMESTONE white to pale gray,hard, dense,abundant chalky,poor porosity,very spotty dead flaky dead black stain

4110-35 LIMESTONE pale gray,very hard,dense,smth texture,crptoxln

4125-32 SHALE red,green,black,dark gray,firm,fissile

4142-52 LIMESTONE as above,dense,no shows

VADA B 1-17 SAMPLE DESCRIPTIONS

4152-78 SHALE red,very soft.very argillaceous, gummy

A

4178-82 LIMESTONE white,buff,firm, oolitic,poor to trace fair intxln and vuggy porosity, spotty live brown stain,good mlky cut,poor show free oil

4182-98 LIMESTONE buff,very hard,dense, crptoxln,no shows

4198-4210 SANDSTONE white,firm,very fine grained,clay fled ,poor porosity,very rare spotty black dead stain,no cut

4210-36 SHALE red,firm,blocky,argillaceous

B

4236-44 LIMESTONE buff,hard,dense, blocky,poor vuggy porosity,very spotty black live stain,fair cut

4245-52LIMESTONE white,firm,chalky, fossils,poor to fair intg vuggy porosity, spotty black live stain,good mlky cut,fair show free oil

4252-70 LIMESTONE buff,very hard,dense, crptoxln,no shows

4270-88 SHALE red,soft,argillaceous

C

VADA B 1-17 SAMPLE DESCRIPTIONS

4288-4290 LIMESTONE white,hard,slightly oolitic,poor oomoldic vuggy porosity,very spotty live brown stain,good cut

4290-4310 LIMESTONE buff,hard,blocky, dense,clky in part,poor porosity,no shows

4310-30 SHALE green,soft,slty in part, argillaceous

D

4330-60 LIMESTONE buff,very hard,dense,poor porosity,no shows

4360-85 SHALE red,very soft,gummy

E

4385-96 LIMESTONE white,firm,very chalky, poor pinpoint vuggy porosity,very spotty live brown stain,good mlky cut

4396-4428 SHALE as above

F

4428-50 LIMESTONE white to buff,hard,slightly fossils,chalky poor porosity,no shows

4450-86 SHALE red,green,soft,very argillaceous with thin stringers LIMESTONE as above,no shows

VADA B 1-17 SAMPLE DESCRIPTIONS

4486-48 SHALE red,very soft,very argillaceous

4548-64 LIMESTONE buff,hard,dense,slightly fossils,no shows

4564-88 SHALE gray,green,firm,very argillaceous

PAWNEE

4584-92 GRAINSTONE white, firm,very oolitic,fair intg vuggy porosity,spotty to even live brown stain,very good mlky cut,good show free oil

4592-4600 LIMESTONE white to pale gray,hard, dense,very chalky in part,poor porosity,no shows

4600-30 SHALE pale gray,green,very soft,very argillaceous

4630-52 LIMESTONE buff,hard,dense, chalky in part poor porosity,no shows

4652-64 SHALE dark gray,black,firm, fissile,carbonaceous

4664-4716 LIMESTONE as above with thin SHALE as above

4716-50 SHALE red,green,maroon,firm, fissile,sandy in part

RTD 4750'

VADA B 1-17 SAMPLE DESCRIPTIONS

LTD 4745'