

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251064
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 |
|-----------------------------------|-----------------|---|

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: _____

1251064

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 | Judy 1-21 |
| Doc ID | 1251064 |

Tops

| Name | Top | Datum |
|------------------|------|-------|
| Anhydrite | 3164 | +82 |
| Anhydrite (base) | 3200 | +46 |
| Foraker | 3761 | -515 |
| Topeka | 3980 | -734 |
| Oread | 3098 | -852 |
| Lansing A | 4192 | -946 |
| Lansing B | 4247 | -1001 |
| Lansing C | 4308 | -1062 |
| Lansing D | 4351 | -1105 |
| Lansing E | 4396 | -1150 |
| Lansing F | 4434 | -1188 |
| RTD/LTD | 4550 | -1304 |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC.

21/1s/36w

2020 N. Bramlewood
Wichita, KS 67206

Judy #1-21

Job Ticket: 62267

DST#: 1

ATTN: Bryan Bynog

Test Start: 2015.04.12 @ 11:07:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:19:30

Time Test Ended: 20:33:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: 57

Interval: **4140.00 ft (KB) To 4225.00 ft (KB) (TVD)**

Reference Elevations: 3246.00 ft (KB)

Total Depth: 4225.00 ft (KB) (TVD)

3235.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8647 Inside

Press @ RunDepth: 44.50 psig @ 4141.00 ft (KB)

Start Date: 2015.04.12

End Date: 2015.04.12

Start Time: 11:07:01

End Time: 20:33:30

Capacity: 8000.00 psig

Last Calib.: 2015.04.12

Time On Btm: 2015.04.12 @ 14:18:00

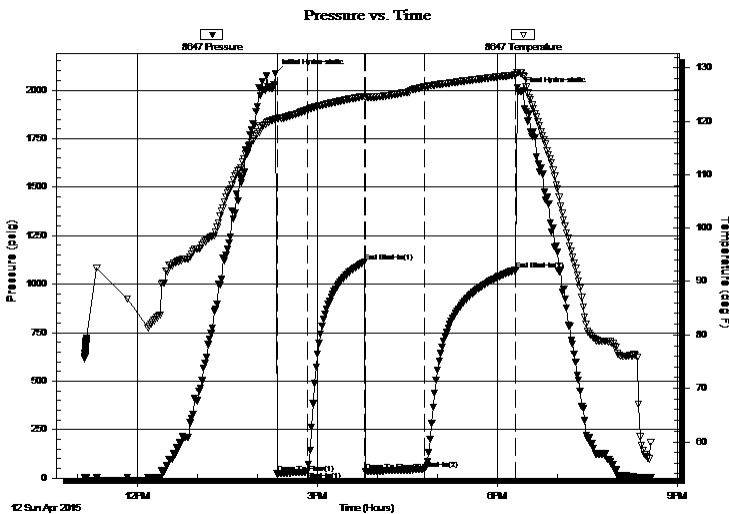
Time Off Btm: 2015.04.12 @ 18:21:00

TEST COMMENT: 30 - IF - Opened w/ surface blow, didn't build.

60 - ISI - No Return

60 - FF - No Blow

90 - FSI - No Return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2086.63 | 120.40 | Initial Hydro-static |
| 2 | 22.36 | 120.46 | Open To Flow (1) |
| 32 | 34.89 | 122.10 | Shut-In(1) |
| 89 | 1113.36 | 124.65 | End Shut-In(1) |
| 90 | 34.00 | 124.40 | Open To Flow (2) |
| 149 | 44.50 | 126.43 | Shut-In(2) |
| 240 | 1074.06 | 128.66 | End Shut-In(2) |
| 243 | 1994.32 | 129.05 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 15.00 | 100% mud | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC.

21/1s/36w

2020 N. Bramlewood
Wichita, KS 67206

Judy #1-21

Job Ticket: 62267

DST#: 1

ATTN: Bryan Bynog

Test Start: 2015.04.12 @ 11:07:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 15.00 | 100%mud | 0.074 |

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

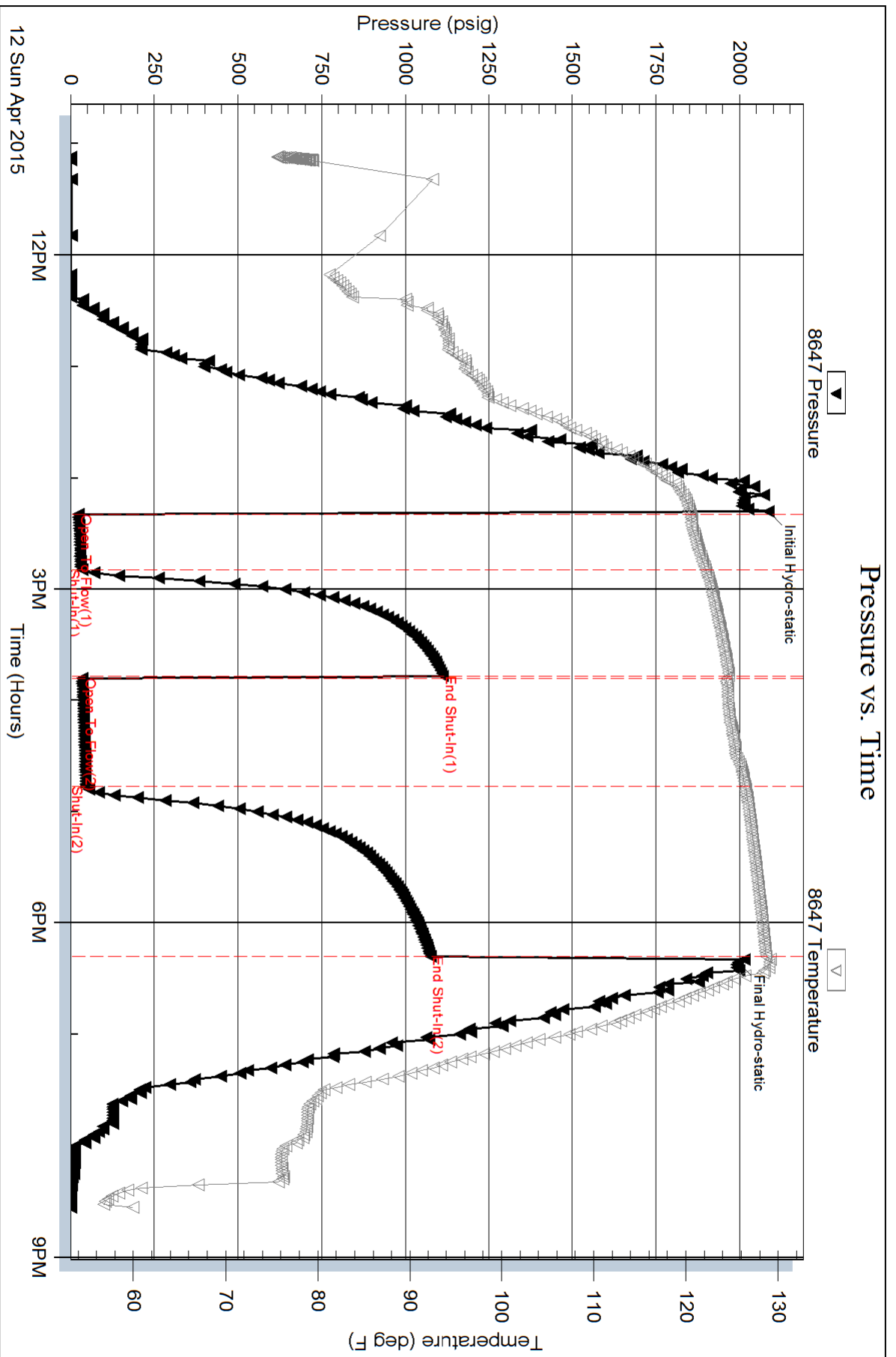
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco, LLC.

21/1s/36w

2020 N. Bramlewood
Wichita, KS 67206

Judy #1-21

Job Ticket: 62268

DST#: 2

ATTN: Bryan Bynog

Test Start: 2015.04.13 @ 11:23:00

GENERAL INFORMATION:

Formation: **LKC "B&C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:55:00

Time Test Ended: 21:08:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: 57

Interval: 4205.00 ft (KB) To 4335.00 ft (KB) (TVD)

Reference Elevations: 3246.00 ft (KB)

Total Depth: 4335.00 ft (KB) (TVD)

3235.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8647

Inside

Press@RunDepth: 178.08 psig @ 4206.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.13

End Date:

2015.04.13

Last Calib.:

2015.04.13

Start Time: 11:23:01

End Time:

21:08:00

Time On Btm:

2015.04.13 @ 13:53:30

Time Off Btm:

2015.04.13 @ 18:58:00

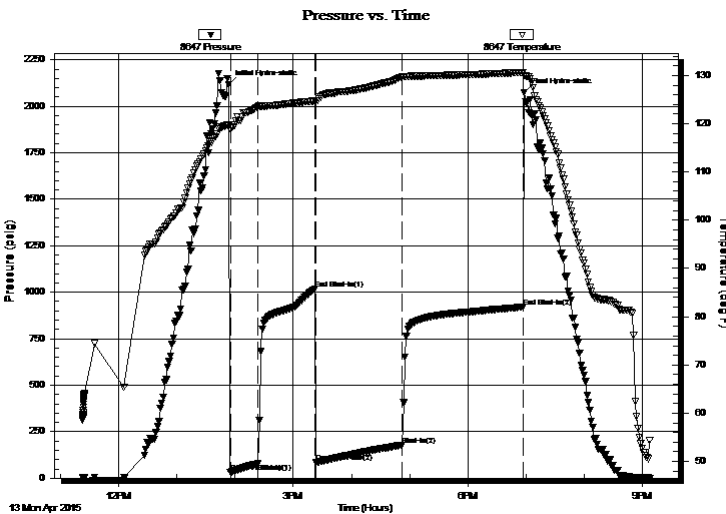
TEST COMMENT: 30 - IF - Opened w/ surface blow, built to 2"

60 - ISI - No Return

60 - FF - Blow built to 4 1/2"

90 - FSI - No Return

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2115.60 | 119.56 | Initial Hydro-static |
| 2 | 30.04 | 119.07 | Open To Flow (1) |
| 30 | 77.39 | 123.50 | Shut-In(1) |
| 89 | 1018.65 | 124.72 | End Shut-In(1) |
| 90 | 82.59 | 124.66 | Open To Flow (2) |
| 179 | 178.08 | 129.64 | Shut-In(2) |
| 303 | 921.35 | 130.63 | End Shut-In(2) |
| 305 | 2074.79 | 130.02 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------------------|--------------|
| 205.00 | MW 60%w, 40%m w/ oil spots throughout | 1.01 |
| 150.00 | 100% mud | 0.74 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC.

21/1s/36w

2020 N. Bramlew ood
Wichita, KS 67206

Judy #1-21

Job Ticket: 62268

DST#: 2

ATTN: Bryan Bynog

Test Start: 2015.04.13 @ 11:23:00

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: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 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 bbbl |
|--------------|---|----------------|
| 205.00 | MW 60%w , 40% m w / oil spots throughtout | 1.008 |
| 150.00 | 100% mud | 0.738 |

Total Length: 355.00 ft Total Volume: 1.746 bbl

Num Fluid Samples: 0

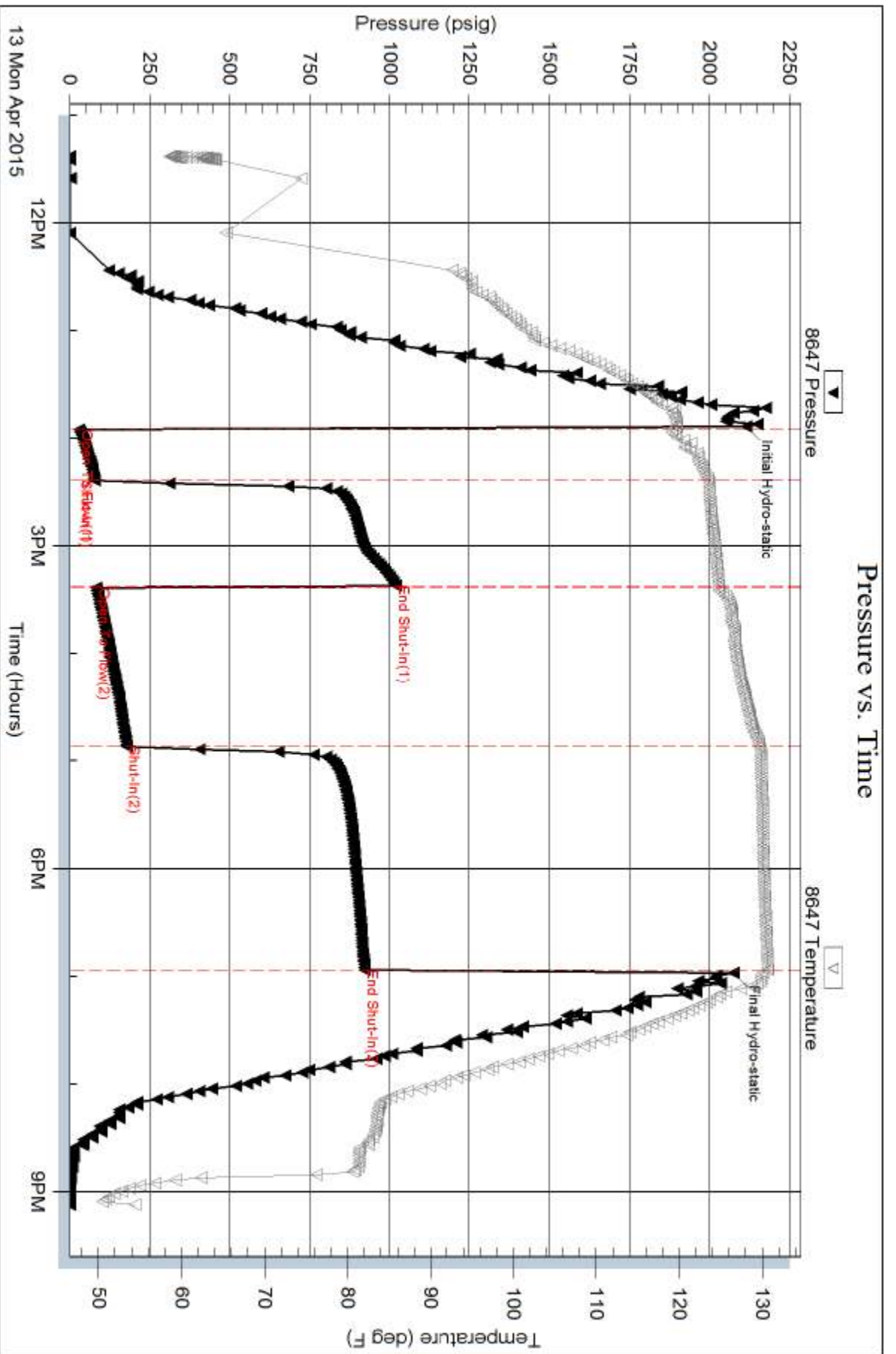
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .216 @ 56F Chlorides 42000 ppm





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC.

21/1s/36w

2020 N. Bramblewood
Wichita, KS 67206

Judy #1-21

Job Ticket: 62269

DST#: 3

ATTN: Bryan Bynog

Test Start: 2015.04.14 @ 09:41:00

GENERAL INFORMATION:

Formation: **LKC "D&E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:44:30

Time Test Ended: 19:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: 57

Interval: **4315.00 ft (KB) To 4420.00 ft (KB) (TVD)**

Total Depth: 4420.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3246.00 ft (KB)

3235.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **8647**

Inside

Press @ Run Depth: 55.39 psig @ 4316.00 ft (KB)

Start Date: 2015.04.14

End Date:

2015.04.14

Start Time: 09:41:01

End Time:

19:05:00

Capacity: 8000.00 psig

Last Calib.: 2015.04.14

Time On Btm: 2015.04.14 @ 12:43:00

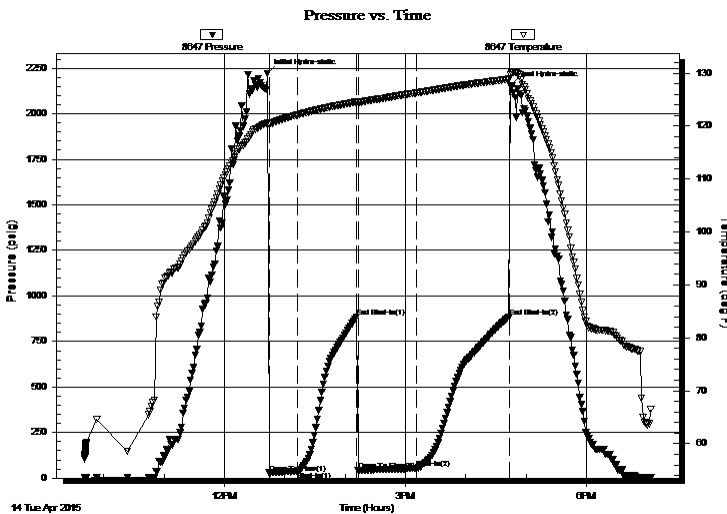
Time Off Btm: 2015.04.14 @ 16:44:30

TEST COMMENT: 30 - IF - Opened w/ surface blow, built to 3/4"

60 - ISI - No Return

60 - FF - No Blow

90 - FSI - No Return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2221.98 | 120.66 | Initial Hydro-static |
| 2 | 28.46 | 120.36 | Open To Flow (1) |
| 30 | 36.34 | 122.14 | Shut-In(1) |
| 89 | 885.98 | 124.59 | End Shut-In(1) |
| 90 | 41.78 | 124.46 | Open To Flow (2) |
| 149 | 55.39 | 126.29 | Shut-In(2) |
| 240 | 885.20 | 128.86 | End Shut-In(2) |
| 242 | 2152.13 | 129.75 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 58.00 | OCM 90%o, 10%o | 0.29 |
| 0.30 | 100%oil | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC.

21/1s/36w

2020 N. Bramblewood
Wichita, KS 67206

Judy #1-21

Job Ticket: 62269

DST#: 3

ATTN: Bryan Bynog

Test Start: 2015.04.14 @ 09:41:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---|---------------|
| 58.00 | OCM 90% _m , 10% _o | 0.285 |
| 0.30 | 100%oil | 0.001 |

Total Length: 58.30 ft Total Volume: 0.286 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

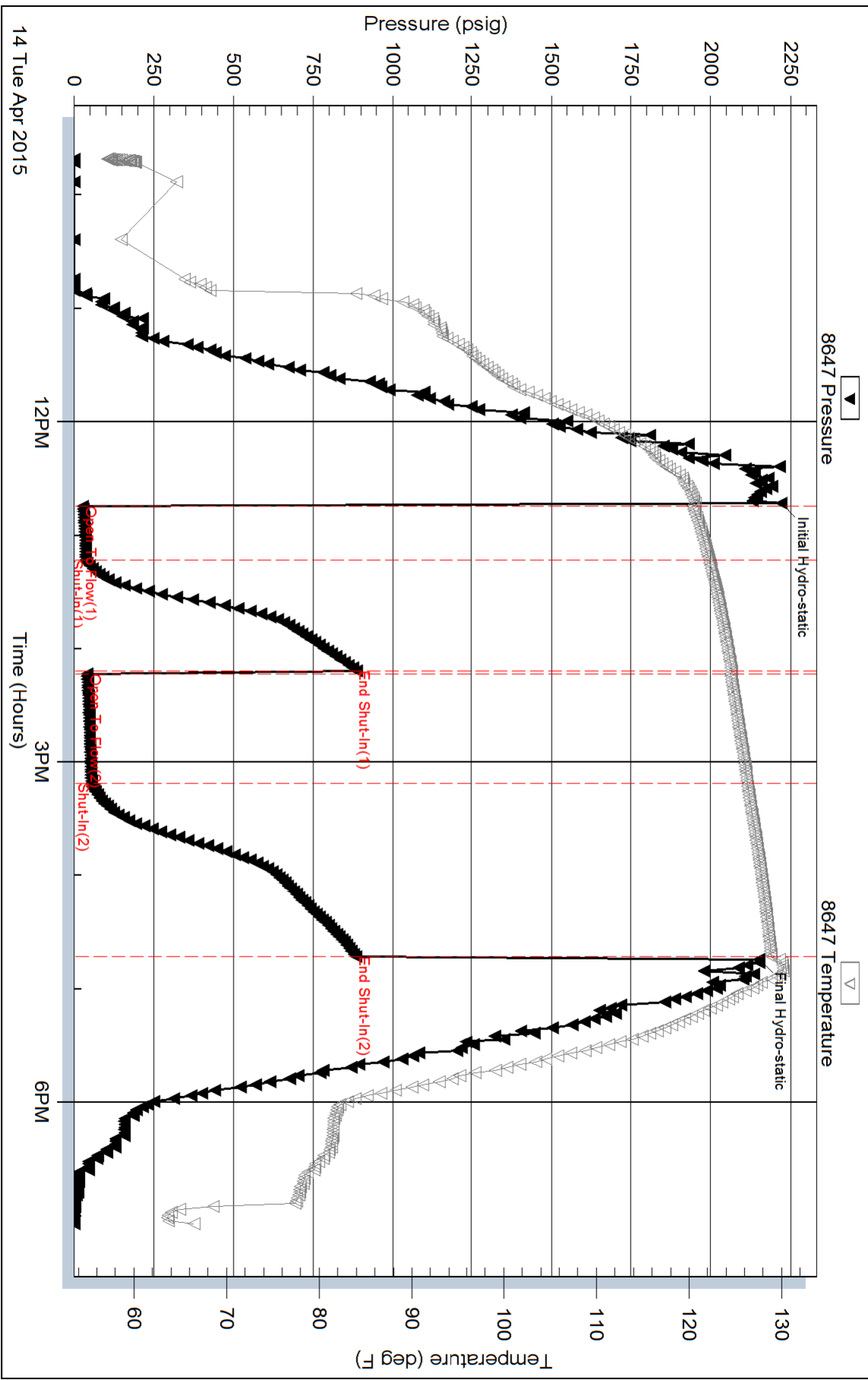
Serial #:

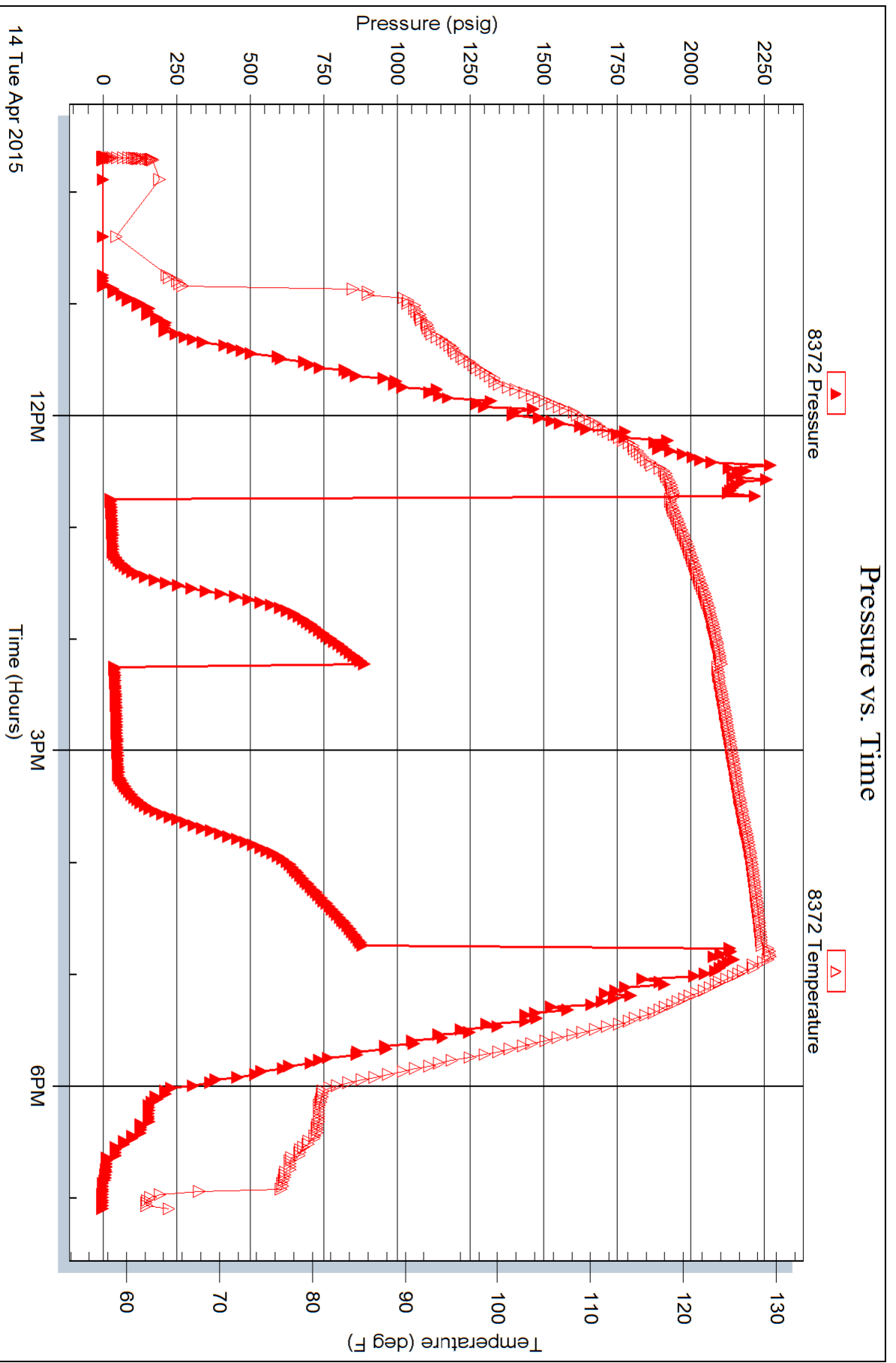
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**BEREXCO, LLC.
JUDY #1-21
SENE SECTION 21 1S-36W
RAWLINS COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, LLC.

WELL NAME & NUMBER: JUDY #1-21

LOCATION: SENE SECTION 21 1S-36W

COUNTY: RAWLINS

STATE: KANSAS

SPUD DATE: 4-7-2015 COMPLETION DATE: 4-16-2015

ELEVATIONS: GL: 3235 KB: 3246

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 4140-4225, DST#2 4205-4335,
DST#3 4315-4420

WELL STATUS: P & A

DISCUSSION

Judy #1-21 1S-36W was a wildcat drilled a total depth of 4550 feet testing the Lansing Kansas City in Rawlins County, Kansas. This well was drilled with the help of seismic data and well control, just west of East Fork field.

Structurally, Judy #1-21 came in 15 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.

There were minor shows of dead oil up hole in the lower Wabaunsee formation, not worthy of a drill stem test. The Lansing A zone was the first good show and was tested on drill stem test #1 recovering only 15 feet of drilling mud. The B and C zones were associated with a good drilling break and had fair sample shows, but tested 150 feet of oil spotted mud and 205 feet of muddy water on drill stem test #2. The D and E zones both had poor oil shows and were tested together on drill stem test #3 recovering only six inches of free oil and 58 feet of oil cut mud.

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.

JUDY #1-21.SAMPLE DESCRIPTIONS

3600-3720 SHALE red,soft,argillaceous,very silty in part

3720-30 LIMESTONE pale gray,hard,dense,dirty,sandy in part, poor porosity,no shows

3730-68 SHALE red,very soft,very argillaceous,some silty in part

FORAKER

3768-96 LIMESTONE pale gray,buff,hard,abundant white,chalky,abundant Chert orn,poor vis porosity,no shows

3796-3811 LIMESTONE buff,slightly hard,slightly chalky,sandy in part,poor vis porosity,very spotty black dead stain,nfo

3811-3927 SHALE red,soft,very argillaceous

3927-3954 LIMESTONE white,buff,firm,chalky in part,slightly hard,blocky,poor porosity,no shows

3954-84 SHALE as above

TOPEKA

3984-4012 LIMESTONE buff,white,hard,blocky,dense,crptoxln,abundant chalky in part abundant Chert tan,orange,poor porosity,no shows

4012-34 SANDSTONE white to pale red,friable,very fine grained,fair porosity,no shows with thin SHALE as above

JUDY #1-21.SAMPLE DESCRIPTIONS

4034-92 Shale red,maroon,firm,silty with thin LIMESTONE buff,hard, dense,crptoxln,no shows

OREAD

4092-4110 LIMESTONE white,firm,micxln,chalky in part,slightly fossils,poor to fair micxln porosity,no shows

4110-50 LIMESTONE pale gray,very hard,dense,crptoxln,some Chert orange,no shows

4150-93 SHALE gray,gray green,gray black,firm,silty in part

LANSING A

4193-4198 LIMESTONE white,buff,slightly hard,slightly chalky,oolitic,poor intergranular porosity,spotty asphalt stain,fair cut,no free oil

4198-4210 LIMESTONE pale gray,very hard,dense,blocky,crptoxln,no shows

4210-20 SHALE red,soft,very argillaceous with thin SANDSTONE translucent,friable,very fine grained,poor to fair intergranular porosity,no shows

4220-44 SHALE red,soft,silty in part

B

4244-54 LIMESTONE white,firm,chalky,slightly oolitic,fair intergranular porosity,spotty thick black live oil stain,good cut,fair show thick oil

JUDY #1-21.SAMPLE DESCRIPTIONS

4254-70 LIMESTONE buff,hard,blocky,chalky in part,poor pinpoint vuggy porosity,very spotty live brown stain,good cut,no free oil abundant pyrite with thin SHALE as above

4270-80 SHALE green,gray green,red,firm,fissile with very thin LIMESTONE

4280-4308 SHALE red,soft,very argillaceous

C

4308-15 LIMESTONE buff,slightly hard,slightly oolitic,poor to fair moldic porosity,spotty live brown stain,good cut,no free oil

4315-24 LIMESTONE buff,hard,blocky,crptxln,poor porosity,rare black dead stain

4324-54 SHALE red,firm,fissile

D

4354-70 LIMESTONE buff,very hard,dense,blocky,poor pinpoint vuggy porosity,very spotty live brown stain,fair cut,no free oil with thin SHALE as above

4370-96 Shale as above firm,fissile,some very argillaceous,gummy

E

4396-4400 LIMESTONE buff,slightly hard,fossils,chalky in part,poor molcic porosity,spotty live brown stain,

JUDY #1-21.SAMPLE DESCRIPTIONS

4400-10 LIMESTONE buff,very hard,dense,blocky,crptoxln,no shows

4410-36 SHALE red,firm,fissile,very silty in part

F

4436-50 LIMESTONE buff,pale gray,very hard,dense,crptoxln,no shows

4450-70 LIMESTONE as above with abundant chalky,poor porosity,no shows,thin SHALE as above

4470-96 LIMESTONE as above chalky in part

4496-50 SHALE red,green,firm,fissile with thin LIMESTONE as above

RTD 4550'

LTD 4550'

ALLIED OIL & GAS SERVICES, LLC 064703

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, KS

| | | | | | | | |
|--------------------------------|--------------------|----------------------------------|-----------------|---------------------|---------------------------|-------------------------|--------------------------|
| DATE <u>4-16-15</u> | SEC. <u>21</u> | TWP. <u>1</u> | RANGE <u>36</u> | CALLED OUT | ON LOCATION <u>2:00pm</u> | JOB START <u>5:30am</u> | JOB FINISH <u>6:30am</u> |
| LEASE <u>Judy</u> | WELL # <u>1-21</u> | LOCATION <u>McDonald N to AA</u> | | | COUNTY <u>Rawlins</u> | STATE <u>KS</u> | |
| OLD OR <u>NEW</u> (Circle one) | | | | <u>34 E, N into</u> | | | |

CONTRACTOR Berendes 10

TYPE OF JOB PTA

HOLE SIZE 2 7/8 T.D. 4350'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 3166'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 37.91 bbl

OWNER Same

CEMENT

AMOUNT ORDERED 255 SB 6440, 420 gel
1/4 # flo-sol

| | | | |
|-----------------------|---|------------------------------|-------------------------------|
| COMMON | @ | _____ | _____ |
| POZMIX | @ | _____ | _____ |
| GEL | @ | _____ | _____ |
| CHLORIDE | @ | _____ | _____ |
| ASC | @ | _____ | _____ |
| <u>60/90/4</u> | @ | <u>255 SB</u> | @ <u>18.92</u> <u>4824.60</u> |
| <u>flor-sol</u> | @ | <u>64 #</u> | @ <u>2.87</u> <u>190.08</u> |
| <u>Material Total</u> | @ | | <u>504.68</u> |
| <u>(2005.88/40%)</u> | @ | | |
| HANDLING | @ | <u>273.87 ft³</u> | @ <u>2.48</u> <u>679.20</u> |
| MILEAGE | @ | <u>11.44 tank 50x</u> | @ <u>2.79</u> <u>1593.00</u> |
| | | | TOTAL _____ |

EQUIPMENT

PUMP TRUCK # 422 CEMENTER Lakene Edwards

BULK TRUCK # 818/287 HELPER Wayne McGibby

BULK TRUCK # _____ DRIVER Darren Racette

BULK TRUCK # _____ DRIVER _____

REMARKS:

Mix 50 SB 3166'

Mix 100 SB 2383'

Mix 50 SB 353'

Mix 20 SB 40' w/ plug

Plug m.d. 15 SB

Plug R.H. 30 SB

Thank you.

CHARGE TO: Berenco

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 Gilbert Davila Sr

SIGNATURE [Signature]

SERVICE

DEPTH OF JOB 3166'

PUMP TRUCK CHARGE _____ 2600.47

EXTRA FOOTAGE @ _____

MILEAGE MIFO 50 @ 7.70 385.00

MANIFOLD MIFU 50 @ 4.40 NC

(2095.06/40%) TOTAL 5,237.67

PLUG & FLOAT EQUIPMENT

Wooden plug @ _____ 110.00

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

(44.00/40%) TOTAL 110.00

SALES TAX (If Any) _____

TOTAL CHARGES 10,362.35

DISCOUNT 4,144.94 (40%) IF PAID IN 30 DAYS

6,217.41 Net.

