



Confidentiality Requested:

Yes No

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: _____



1265616

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: Yes 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: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Moser B 3-9
Doc ID	1265616

Tops

Name	Top	Datum
Anhydrite	3018	+80
Anhydrite (base)	3052	+46
Topeka	3806	-708
Oread	3928	-830
Lansing A	4026	-928
Lansing B	4078	-980
Lansing C	4136	-1038
Lansing D	4188	-1084
Lansing E	4224	-1126
Lansing F	4268	-1170
Pawnee	4406	-1312
Cherokee	4482 (S)	-1384 (S)
Mississippi	4706	-1608
RTD	4750	-1652
LTD	4748	-1650

Summary of Changes

Lease Name and Number: Moser B 3-9

API/Permit #: 15-153-20927-00-00

Doc ID: 1265616

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	09/11/2013	09/30/2015
Date of First or Resumed Production or SWD or Enhr Fracturing Question 1		08/13/2014 No
Lease Name	Moser	Moser B
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=9&to	https://kolar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=9&to
Method Of Completion - Perf	No	Yes
Operator's City	WICHITA	Wichita
Operator's Street Address - line 1	2020 N. BRAMBLEWOOD	2020 N. Bramblewood
Perf_Depth_1		4135 - 4139
Perf_Depth_2		4135 - 4139

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Perf_Depth_3		3927 - 3934
Perf_Material_1		500 gals 15% MCA, 3% solvent
Perf_Material_2		4000 gals 20% MCA, 3% solvent
Perf_Material_3		1000 gals 17.5% MCA, 3% solvent
Perf_Record_1		4135 - 4139 LKC
Perf_Record_2		4135 - 4139 LKC
Perf_Record_3		3927 - 3934 Oread
Perf_Shots_1		4
Perf_Shots_3		4
Plug Back Total Depth		4525
Producing Method Pumping	No	Yes
Production - Barrels Oil		13
Production - Barrels of Water		9

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Production - MCF Gas		0
Production Interval #1		4135 - 4139
Production Interval #2		3927 - 3934
Purchaser's Name		Central Crude Corporation
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1152326	../../../../kcc/detail/operatorEditDetail.cfm?docID=1265616
Tubing Packer At		no pkr.
Tubing Set At		SN @ 4210
Tubing Size		2.375
Well Type	SIOW	OIL



CONFIDENTIAL

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:

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- 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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Moser 3-9
Doc ID	1152326

Tops

Name	Top	Datum
Anhydrite	3018	+80
Anhydrite (base)	3052	+46
Topeka	3806	-708
Oread	3928	-830
Lansing A	4026	-928
Lansing B	4078	-980
Lansing C	4136	-1038
Lansing D	4188	-1084
Lansing E	4224	-1126
Lansing F	4268	-1170
Pawnee	4406	-1312
Cherokee	4482 (S)	-1384 (S)
Mississippi	4706	-1608
RTD	4750	-1652
LTD	4748	-1650

BEREXCO, LLC.
MOSER # 3-9
NWSWN SECTION 9 1S-36W
RAWLINS COUNTY, KANSAS

GEOLOGIST
WILLIAM B. BYNOG

RESUME

OPERATOR: BEREXCO, LLC.

WELL NAME & NUMBER: MOSER # 3-9

LOCATION: NWSWNW SECTION 9 1S-36W

COUNTY: RAWLINS

STATE: KANSAS

SPUD DATE: 6-23-2013 COMPLETION DATE: 7-8-2012

ELEVATIONS: GL: 3087' KB:3098 '

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 3896-3942, DST #2 3955-4065.
DST #3 4050-4110, DST #4 4100-4210
MISRUN, DST #5 4100-4210, DST #6
4196-4251, DST #7 4395-4450

WELL STATUS: RAN 4 ½ PRODUCTION CASING

Moser # 3-9 Sample Descriptions

ANHYDRITE 3014(+84) S 3018(+80) L

BASE 3050(+48) S 3052(to 46) L

3500-3605 SHALE red,firm,silty

FORAKER

3605-3645 LIMESTONE white,firm,chalky,sandy in part,poor porosity,no shows

3645-3750 SHALE red,green,gray,soft,argillaceous, silty in part

3750-3800 LIMESTONE buff,hard,fossils,chalky in part,poor vis porosity,no shows with thin SHALE as above

3800-40 SHALE red,soft,argillaceous with thin LIMESTONE buff,pale yell,very hard, slightly fossils,poor porosity,no shows

3840-56 LIMESTONE buff,pale yell,very hs,dense,no shows

3856-76 SHALE red,very soft,very argillaceous,sandy in part

3976-3900 LIMESTONE white,firm,sandy,chalky in part,poor porosity,no shows

Moser # 3-9 Sample Descriptions

3900-33 SHALE green,firm,argillaceous,slightly sandy with thin LIMESTONE buff,hard,fossils, chalky,poor vuggy porosity,spotty black thick tar stain,good milky cut

OREAD

3933-40 GRAINSTONE white, firm,very oolitic,fair to good intg porosity,spotty to even live brown stain,very good milky cut,very good show free oil and odor

3940-80 LIMESTONE buff,very hard,very dense, blocky,no shows

3980-90 SHALE black,dark gray,firm, carbonaceous

3990-95 SANDSTONE white, friable,very fine grained,well sorted,clay fled,poor porosity,no shows

3996-4032 SHALE red,soft,very argillaceous

LANSING A

4032-36 LIMESTONE buff,hard,chalky in part, poor pinpoint vuggy porosity,spotty live brown stain,fair cut,trace free oil

4036-52 LIMESTONE buff,very hard,very dense, blocky,no shows

4052-56 SANDSTONE white, friable,very fine grained,well sorted, fair intgranular porosity,spotty to even live black stain,very good milky cut,good show free oil

Moser # 3-9 Sample Descriptions

4056-78 SHALE as above

B

4078-98 GRAINSTONE white, firm, very oolitic, poor-fair intgranular porosity, spotty to even live brown stain, very good milky cut, good show free oil

4098-4104 LIMESTONE buff, very hard, dense, poor porosity, no shows

4104-10 SHALE green, black, firm, fissile, carbonaceous

4410-41 SHALE red, soft, argillaceous

C

4141-54 GRAINSTONE white, firm, oolitic, chalky in part, poor to fair intgranular porosity, spotty live brown stain, good milky cut, poor show free oil

4254-64 LIMESTONE pale gray, hard, dense, blocky, rare poor pinpoint porosity with live brown stain, poor cut

4164-88 Shale red, very soft, very argillaceous

D

4188-94 GRAINSTONE white, firm, very oolitic, poor-fair intgranular porosity, spotty to even live brown stain, very good milky cut, poor show free oil

Moser # 3-9 Sample Descriptions

-
4994-4206 LIMESTONE pale gray,very hard,dense,poor porosity,no shows

4106-10 LIMESTONE white,hard,dense,poor porosity,trace black dead stain

4210-30 SHALE red,firm,argillaceous

E

4230-34 GRAINSTONE white,slightly hard,oolitic,chalky,poor intgranular porosity, spotty live brown stain,good milky cut,fair show free oil

4234-36 LIMESTONE buff,very hard,dense,no shows

4236-44 GRAINSTONE as above,firm,very chalky,poor to fair intg porosity,spotty live brown stain,good milky cut,poor show free oil

4244-56 LIMESTONE as above hard,dense,no shows

4256-72 SHALE red,firm,silty

F

4272-92 LIMESTONE white,pale gray,very hard,dense,poor porosity,no shows

Moser # 3-9 Sample Descriptions

4292-4310 SHALE red,very soft,very argillaceous

4306-18 GRAINSTONE white,firm, chalky,oolitic,poor intg porosity,very spotty live brown stain,poor faint cut,no free oil

4318-32 LIMESTONE buff,very hard,blocky, dense,no shows

4332-78 SHALE red,soft,argillaceous with thin LIMESTONE as above dense,no shows

4378-4400 LIMESTONE white,slightly hard,chalky,poor porosity,no shows

PAWNEE

4400-20 SHALE pale green,gray,soft,sandy in part,argillaceous

4420-32 LIMESTONE white,firm,very chalky, slightly oolitic,poor intg and pinpoint vuggy porosity,very spotty live brown stain,poor slow milky cut,no free oil

4432-44 LIMESTONE buff,very hard,dense,no shows

4432-80 SHALE gray,green,black,firm,fissile, slightly carbonaceous with interbed LIMESTONE as above

4480-90 SHALE black,dark gray,firm,fissile, carbonaceous

Moser # 3-9 Sample Descriptions

4490-4530 LIMESTONE buff,very hard,dense,blocky, no shows with thin SHALE as above

4530-40 LIMESTONE as above becoming very sandy in part, dense,no shows

4540-70 SHALE red,green,gray firm,silty in part with thin SANDSTONE translucent,hard,mg,wsrtd,sileous,poor porosity,no shows

4570-4590 SANDSTONE trnl,hard,fg,blocky, dense,fair intg porosity,no shows with thin SHALE as above

4590-4640 SHALE red,green,maroon, yell,firm,fissile with thin LIMESTONE as above dense,no shows

4642-50 SANDSTONE white,firm,very fine grained,wsrtd, clay fled,poor porosity,no shows

4650-92 SANDSTONE white,translucent,friable,fine to m grain,psrtd,fair to good intg porosity,no shows with thin SHALE as above

4692-4704 CHERT white,yell,very hard,blocky, very dense,fresh

MISSISSIPPIAN

4704-20 DOLOMITE white,firm,micsuc texture,fair intxln porosity,no shows some CHERT white

4720-25 DOLOMITE white,slightly hard,micxln,cherty,poor porosity,no shows abundant Chert white,very hard,blocky,fresh

Moser # 3-9 Sample Descriptions

4725-50 DOLOMITE white,firm,micsuc, fair intxln porosity,no shows abundant CHERT white,as above

RTD 4750'

LTD 4748'



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Moser #3-9

Job Ticket: 52132

DST#: 1

ATTN: Bryan Bynog

Test Start: 2013.06.29 @ 08:40:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:34:30

Time Test Ended: 20:01:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

Interval: 3896.00 ft (KB) To 3942.00 ft (KB) (TVD)

Reference Elevations: 3102.00 ft (KB)

Total Depth: 3942.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 50.13 psig @ 3897.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.29

End Date: 2013.06.29

Last Calib.: 2013.06.29

Start Time: 08:41:00

End Time: 20:01:30

Time On Btm: 2013.06.29 @ 12:34:00

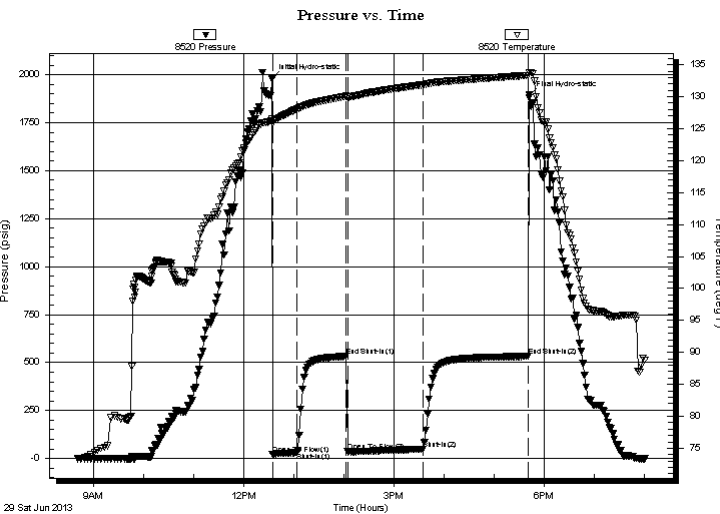
Time Off Btm: 2013.06.29 @ 17:42:00

TEST COMMENT: 30 - IF- Surface Blow built to 1/4", then died back to surface.

60 - IS- No Return

90 - FF- No Blow

120 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1979.67	126.59	Initial Hydro-static
1	21.78	125.86	Open To Flow (1)
30	31.94	128.06	Shut-In(1)
89	532.78	130.07	End Shut-In(1)
91	36.05	129.91	Open To Flow (2)
181	50.13	131.85	Shut-In(2)
307	532.46	133.35	End Shut-In(2)
308	1892.89	133.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 80M 20o	0.25
10.00	Free Oil 100o	0.05

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

Moser #3-9

Job Ticket: 52132

DST#: 1

ATTN: Bryan Bynog

Test Start: 2013.06.29 @ 08:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 70.00 sec/qt

Water Loss: 6.40 in³

Resistivity: 0.00 ohm.m

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	OCM 80M 20o	0.246
10.00	Free Oil 100o	0.049

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

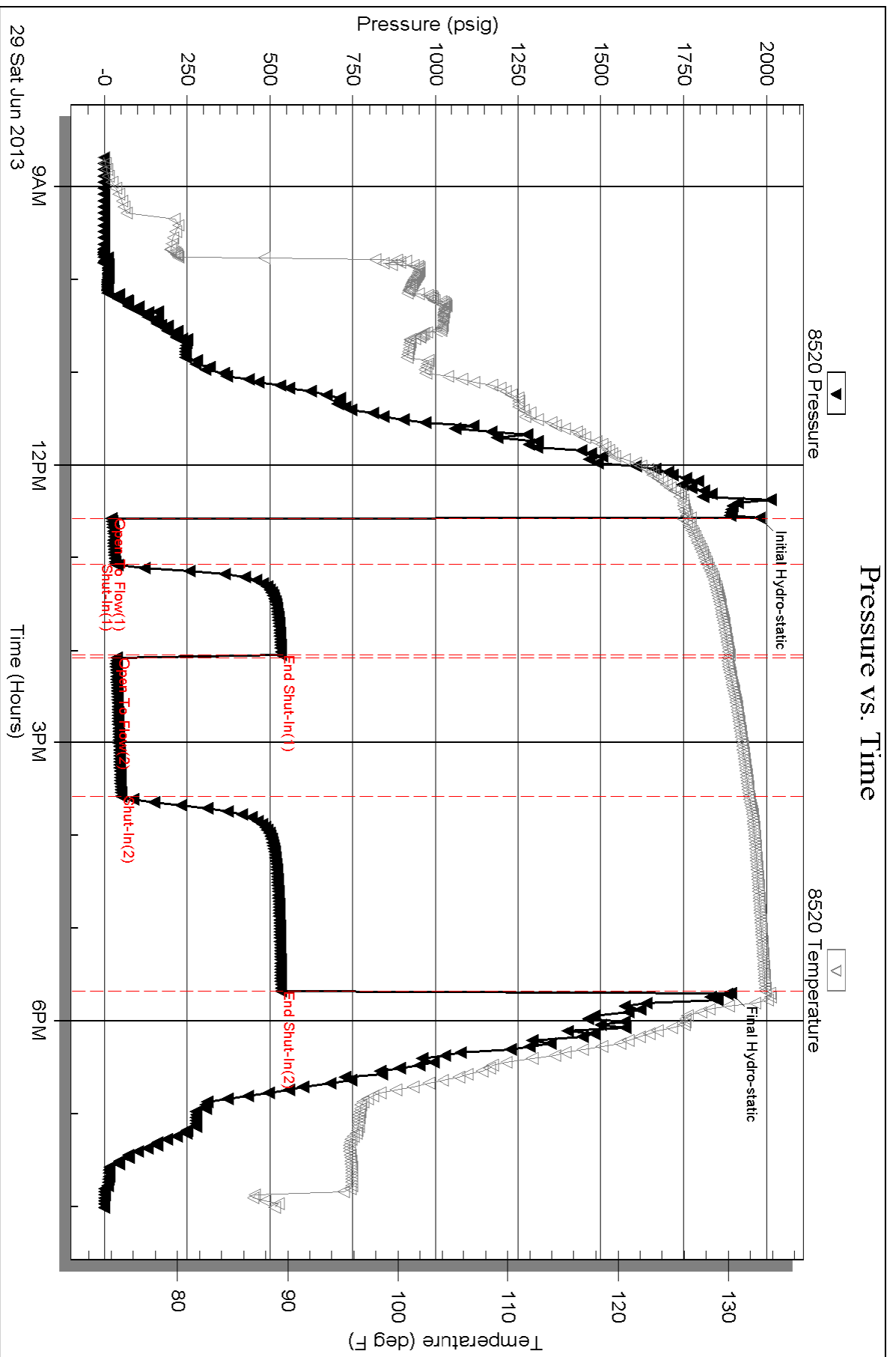
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Moser #3-9

Job Ticket: 52133

DST#: 2

ATTN: Bryan Bynog

Test Start: 2013.06.30 @ 15:50:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:50:30

Time Test Ended: 04:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

Interval: 3955.00 ft (KB) To 4065.00 ft (KB) (TVD)

Reference Elevations: 3102.00 ft (KB)

Total Depth: 4065.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 27.26 psig @ 3956.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.30

End Date:

2013.07.01

Last Calib.: 2013.07.01

Start Time: 15:51:00

End Time:

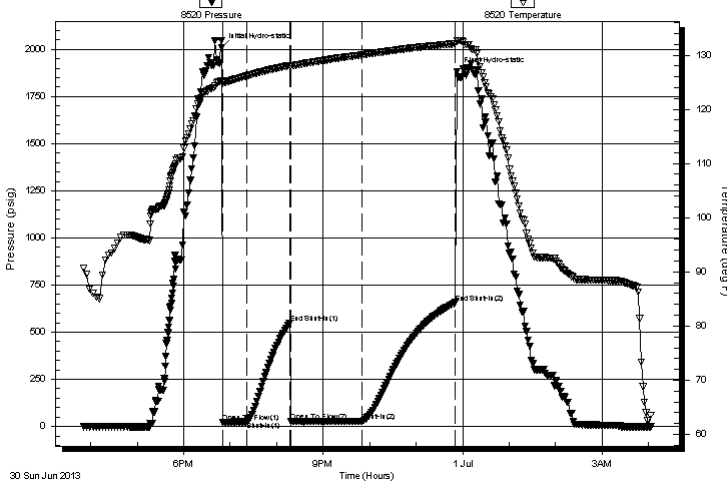
04:04:00

Time On Btm: 2013.06.30 @ 18:49:00

Time Off Btm: 2013.06.30 @ 23:52:30

TEST COMMENT: 30 - IF- 1/8" Blow died back to weak surface blow .
60 - IS- No Return
60 - FF- No Blow
120 - FS- No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.99	125.27	Initial Hydro-static
2	22.68	124.81	Open To Flow (1)
32	24.92	126.14	Shut-In(1)
88	546.93	128.10	End Shut-In(1)
90	25.50	127.91	Open To Flow (2)
181	27.26	130.03	Shut-In(2)
302	656.32	132.13	End Shut-In(2)
304	1882.50	132.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100M (oil spots)	0.05

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

Moser #3-9

Job Ticket: 52133

DST#: 2

ATTN: Bryan Bynog

Test Start: 2013.06.30 @ 15:50:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100M (oil spots)	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:

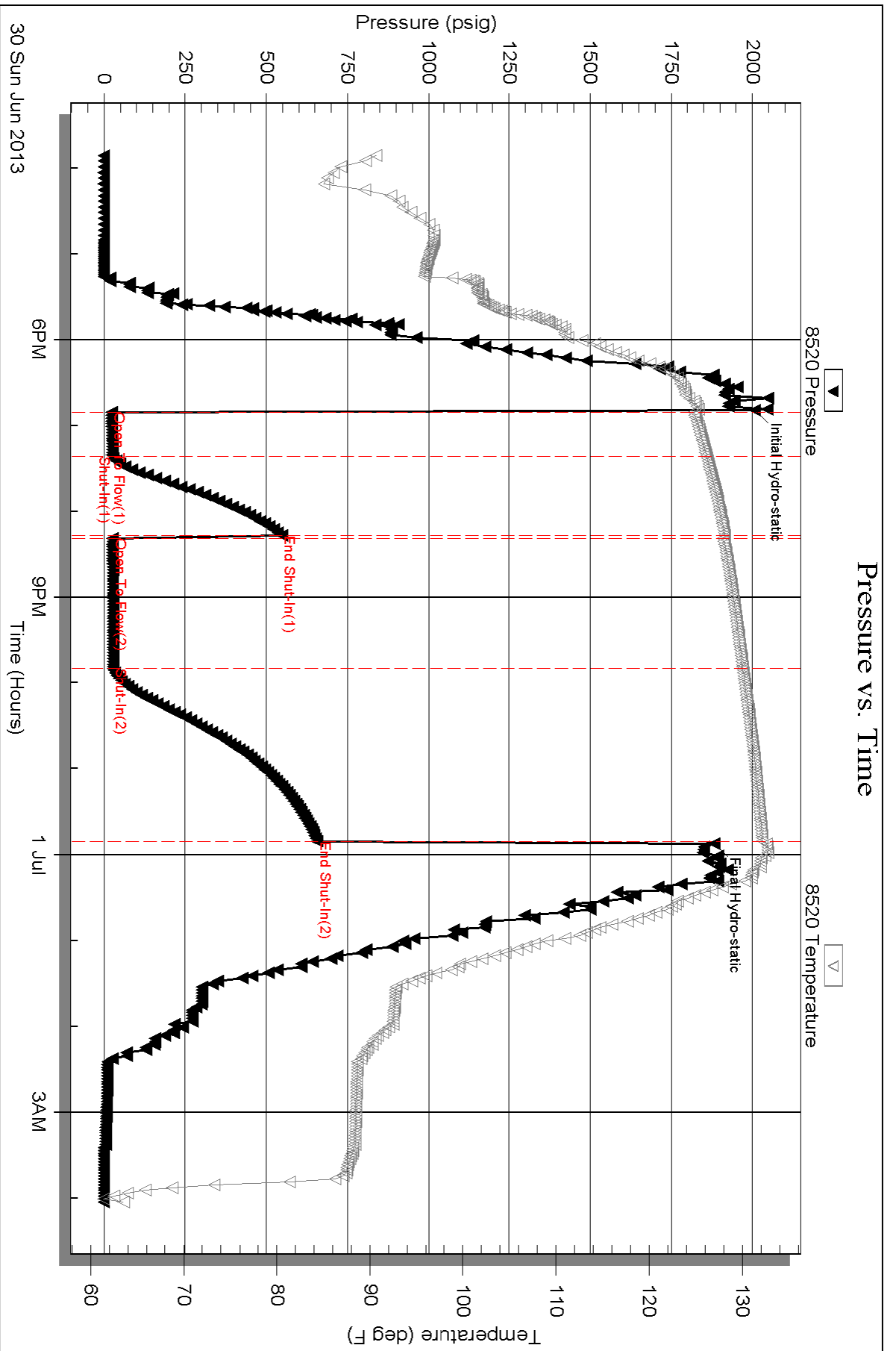
Recovery Comments:

Serial #: 8520

Outside Berexco, LLC.

Moser #3-9

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Moser #3-9

Job Ticket: 52134

DST#: 3

ATTN: Bryan Bynog

Test Start: 2013.07.02 @ 13:00:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:30

Time Test Ended: 00:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

Interval: 4050.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 3102.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 22.55 psig @ 4051.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.02

End Date:

2013.07.03

Last Calib.:

2013.07.03

Start Time: 13:01:00

End Time:

00:16:00

Time On Btm:

2013.07.02 @ 17:16:30

Time Off Btm:

2013.07.02 @ 21:24:30

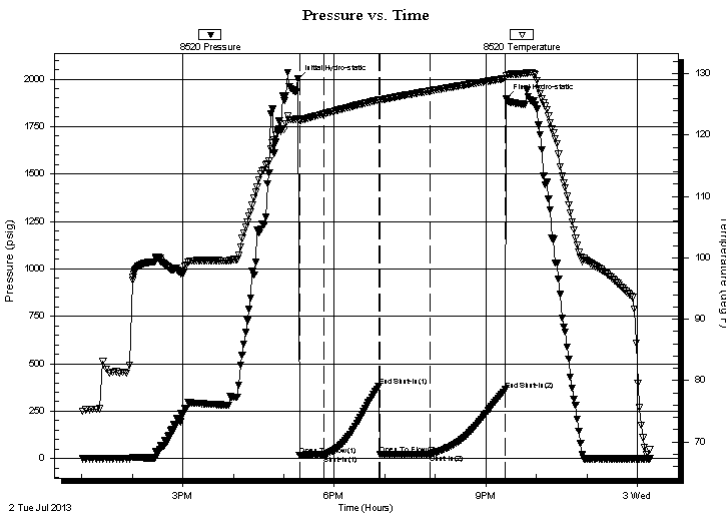
TEST COMMENT: 30 - IF- 1/4" Blow died in 25 min.

60 - IS- No Return

60 - FF- No Blow

90 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.80	122.66	Initial Hydro-static
2	18.47	122.33	Open To Flow (1)
32	19.70	123.46	Shut-In(1)
96	380.43	125.70	End Shut-In(1)
98	21.89	125.64	Open To Flow (2)
157	22.55	127.18	Shut-In(2)
246	362.53	129.20	End Shut-In(2)
248	1898.37	129.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 10o 90M	0.05

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

Moser #3-9

Job Ticket: 52134

DST#: 3

ATTN: Bryan Bynog

Test Start: 2013.07.02 @ 13:00:00

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: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 550.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 10o 90M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

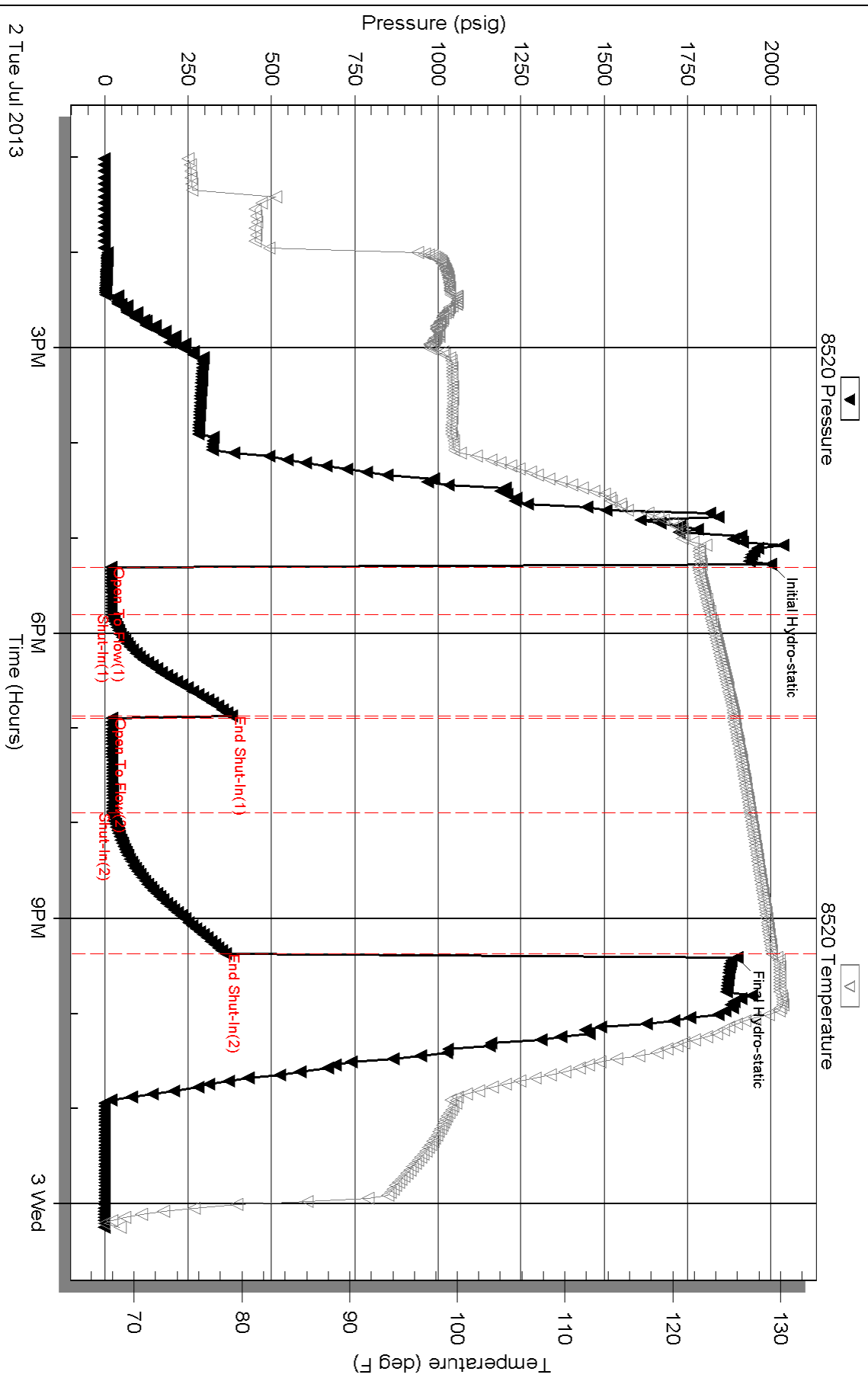
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Moser #3-9

Job Ticket: 53452

DST#: 4

ATTN: Bryan Bynog

Test Start: 2013.07.03 @ 18:37:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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 bbbl

Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

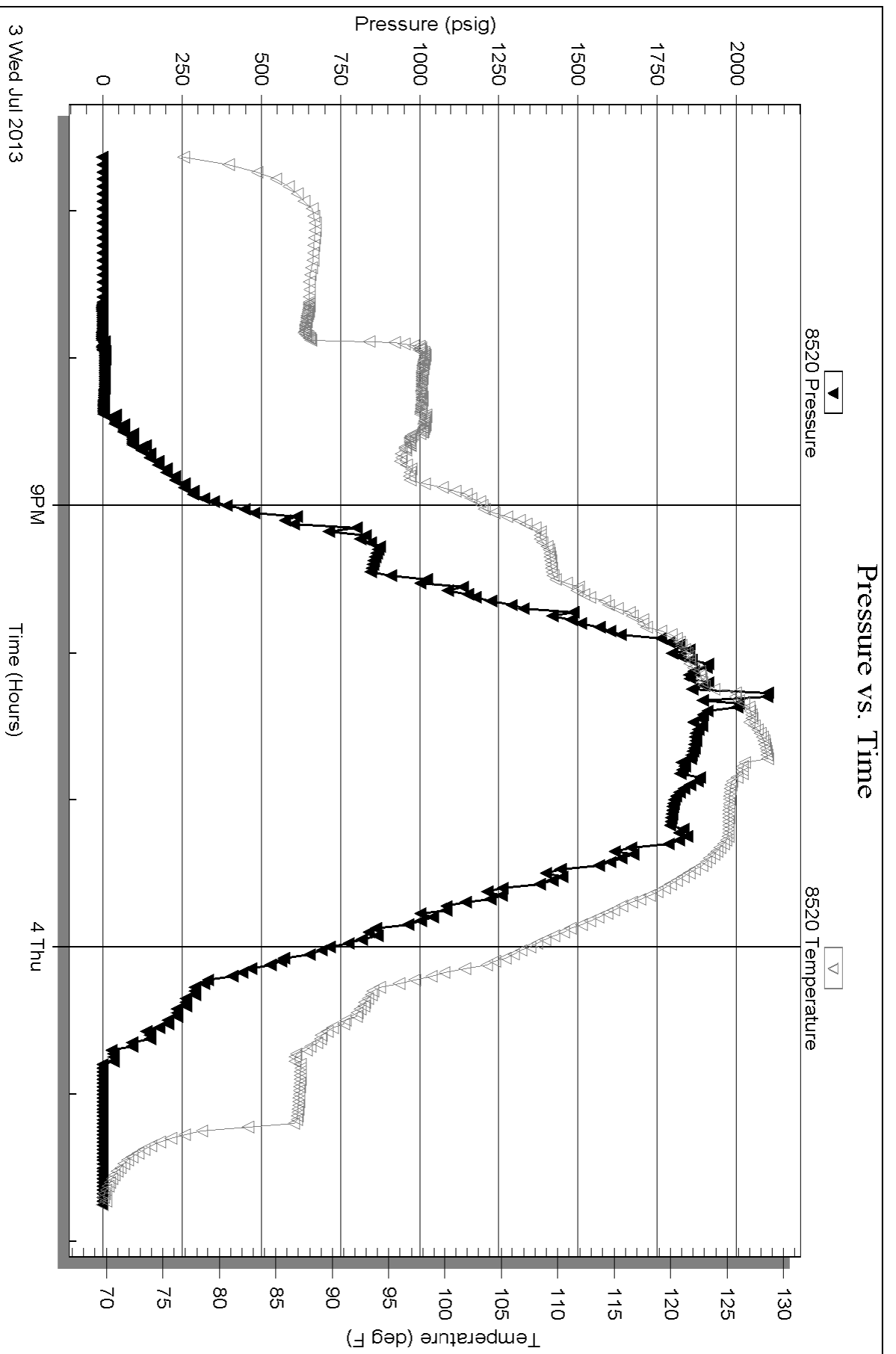
Recovery Comments:

Serial #: 8520

Berexco, LLC.

Moser #3-9

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 53452

Printed: 2013.07.04 @ 23:16:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Moser #3-9

Job Ticket: 53453

DST#: 5

ATTN: Bryan Bynog

Test Start: 2013.07.04 @ 14:26:00

GENERAL INFORMATION:

Formation: **LKC " C - D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:05:30

Time Test Ended: 00:19:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 66

Interval: 4100.00 ft (KB) To 4210.00 ft (KB) (TVD)

Reference Elevations: 3102.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8520 Outside

Press @ RunDepth: 90.92 psig @ 4101.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.04

End Date:

2013.07.05

Last Calib.:

2013.07.05

Start Time:

14:27:00

End Time:

00:19:00

Time On Btm:

2013.07.04 @ 17:04:00

Time Off Btm:

2013.07.04 @ 22:05:00

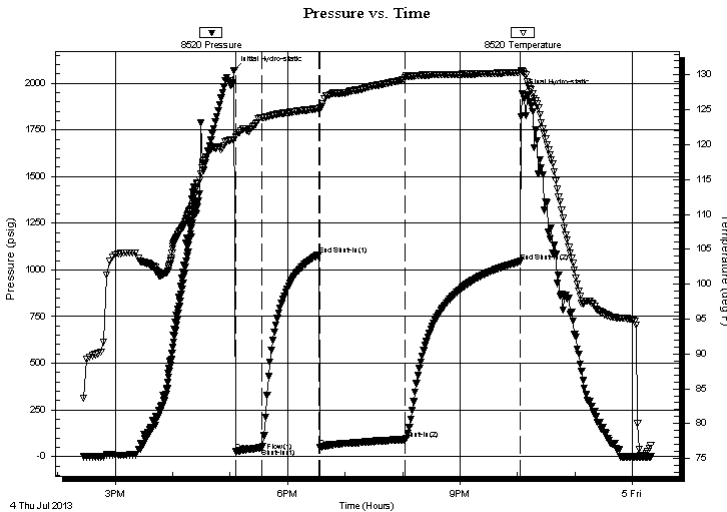
TEST COMMENT: 30 IF - 1/4" blow built to 2"

60 ISI - No return

90 FF - No blow

120 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2068.89	120.67	Initial Hydro-static
2	26.04	121.12	Open To Flow (1)
29	46.69	123.91	Shut-In(1)
89	1081.47	125.18	End Shut-In(1)
90	50.14	125.25	Open To Flow (2)
179	90.92	129.55	Shut-In(2)
299	1044.69	130.38	End Shut-In(2)
301	1942.18	130.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM - 5%o - 95%M	0.59
5.00	OCM - 35%o - 65%M	0.02

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

Moser #3-9

Job Ticket: 53453

DST#: 5

ATTN: Bryan Bynog

Test Start: 2013.07.04 @ 14:26:00

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: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 550.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	OCM - 5%o - 95%M	0.590
5.00	OCM - 35%o - 65%M	0.025

Total Length: 125.00 ft Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

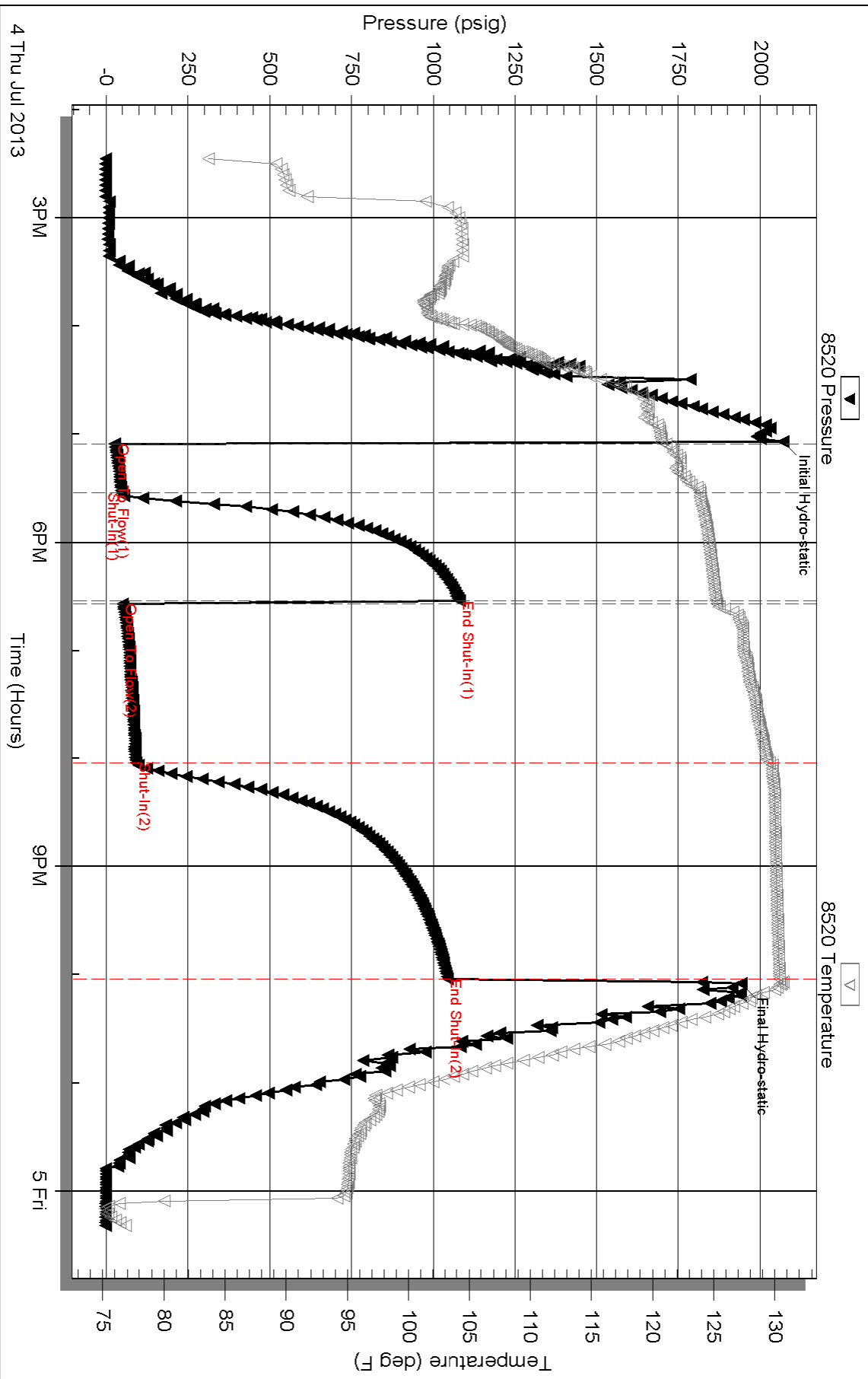
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Moser #3-9

Job Ticket: 53454

DST#: 6

ATTN: Bryan Bynog

Test Start: 2013.07.05 @ 11:40:00

GENERAL INFORMATION:

Formation: **LKC " E "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:12:30

Time Test Ended: 22:31:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 66

Interval: 4196.00 ft (KB) To 4251.00 ft (KB) (TVD)

Reference Elevations: 3102.00 ft (KB)

Total Depth: 4251.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8520

Press @ Run Depth: 26.04 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.05

End Date:

2013.07.05

Last Calib.:

2013.07.05

Start Time: 11:41:00

End Time:

22:31:00

Time On Btm:

2013.07.05 @ 15:12:00

Time Off Btm:

2013.07.05 @ 20:14:30

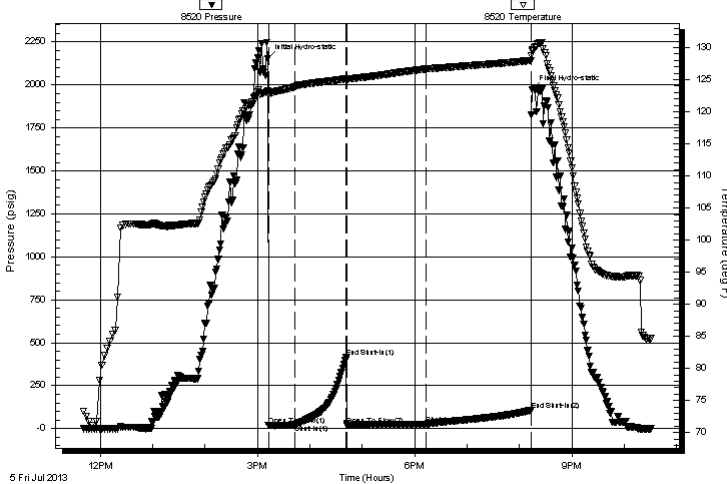
TEST COMMENT: 30 IF - Surface blow built to 1/4"

60 ISI - No return

90 FF - No blow

120 FSI - No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.67	123.22	Initial Hydro-static
1	18.19	122.75	Open To Flow (1)
31	22.34	123.90	Shut-In(1)
90	415.93	125.15	End Shut-In(1)
91	17.26	125.08	Open To Flow (2)
181	26.04	126.67	Shut-In(2)
301	107.81	127.97	End Shut-In(2)
303	1974.00	129.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM - 30%o - 70%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.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Moser #3-9

Job Ticket: 53454

DST#: 6

ATTN: Bryan Bynog

Test Start: 2013.07.05 @ 11:40:00

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: 120.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM - 30%o - 70%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

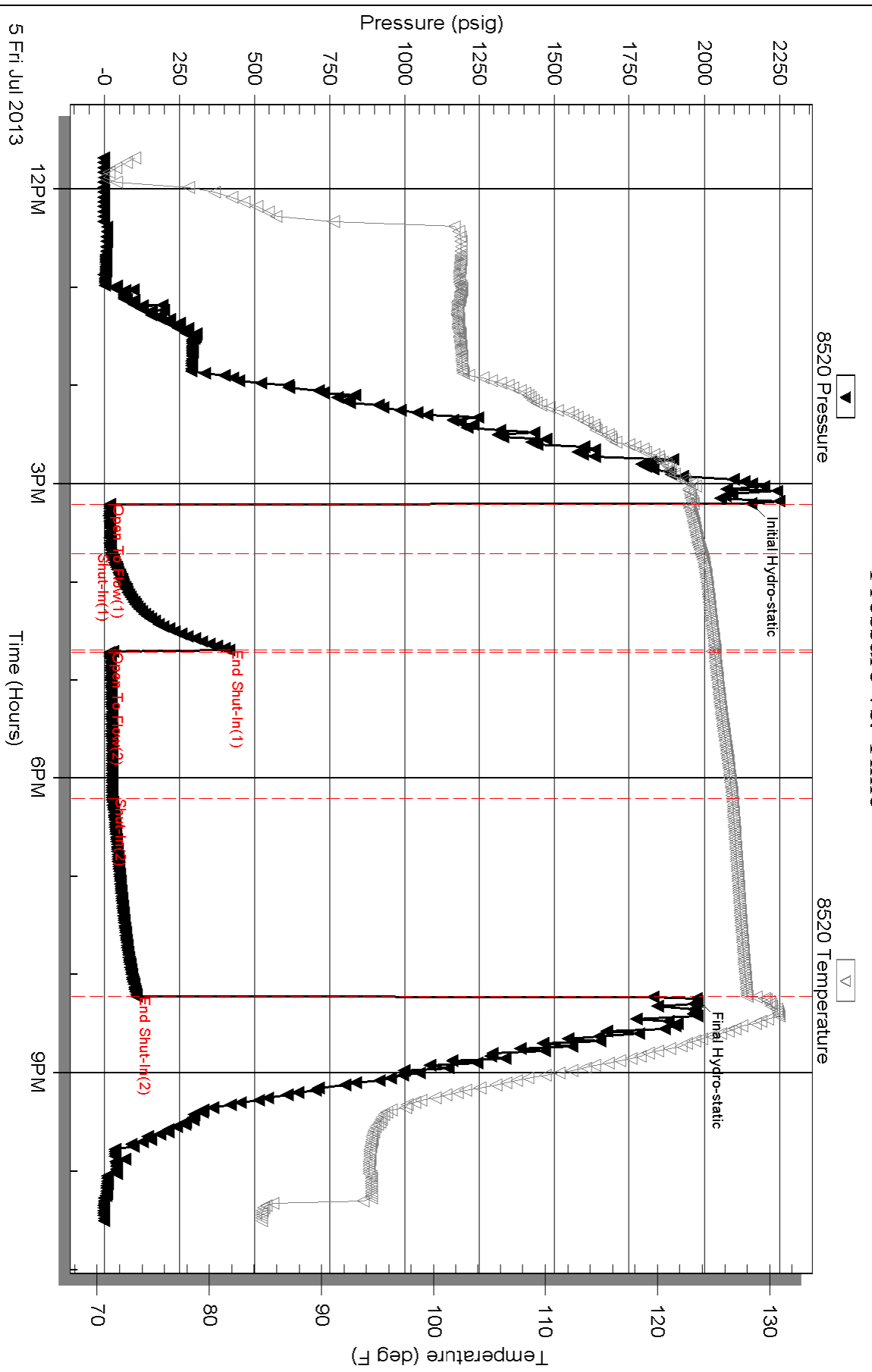
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC.

9-1S-36W Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Moser #3-9

Job Ticket: 53455

DST#: 7

ATTN: Bryan Bynog

Test Start: 2013.07.06 @ 19:44:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:16:00

Time Test Ended: 05:53:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 66

Interval: 4395.00 ft (KB) To 4450.00 ft (KB) (TVD)

Total Depth: 4450.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3102.00 ft (KB)

3092.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8520

Press @ Run Depth: 25.96 psig @ ft (KB)

Start Date: 2013.07.06

End Date:

2013.07.07

Start Time: 19:45:00

End Time:

05:53:00

Capacity: 8000.00 psig

Last Calib.: 2013.07.07

Time On Btm: 2013.07.06 @ 22:13:00

Time Off Btm: 2013.07.07 @ 03:17:00

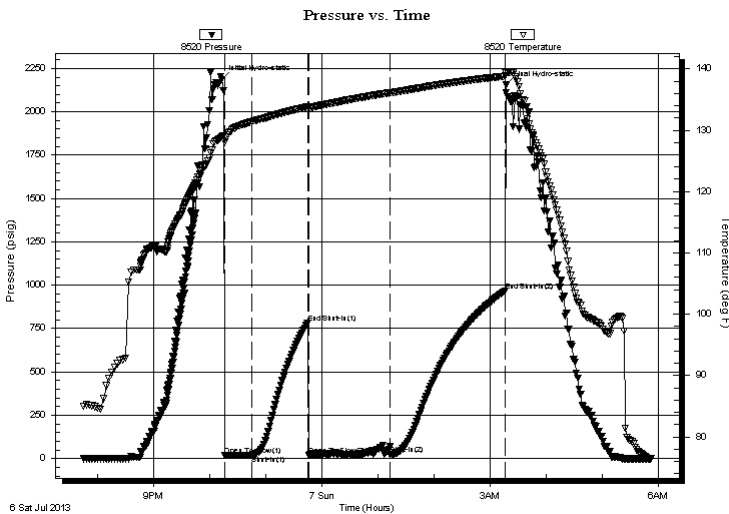
TEST COMMENT: 30 IF - Surface blow died @ 11 mins

60 ISI - No return

90 FF - No blow

120 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.54	128.95	Initial Hydro-static
3	17.39	128.05	Open To Flow (1)
33	20.43	131.42	Shut-In(1)
92	782.59	133.83	End Shut-In(1)
93	20.86	133.65	Open To Flow (2)
181	25.96	136.08	Shut-In(2)
303	965.10	138.82	End Shut-In(2)
304	2154.12	139.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/oil spots 100%M	0.02

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

Moser #3-9

Job Ticket: 53455

DST#: 7

ATTN: Bryan Bynog

Test Start: 2013.07.06 @ 19:44:00

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: 100.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w /oil spots 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

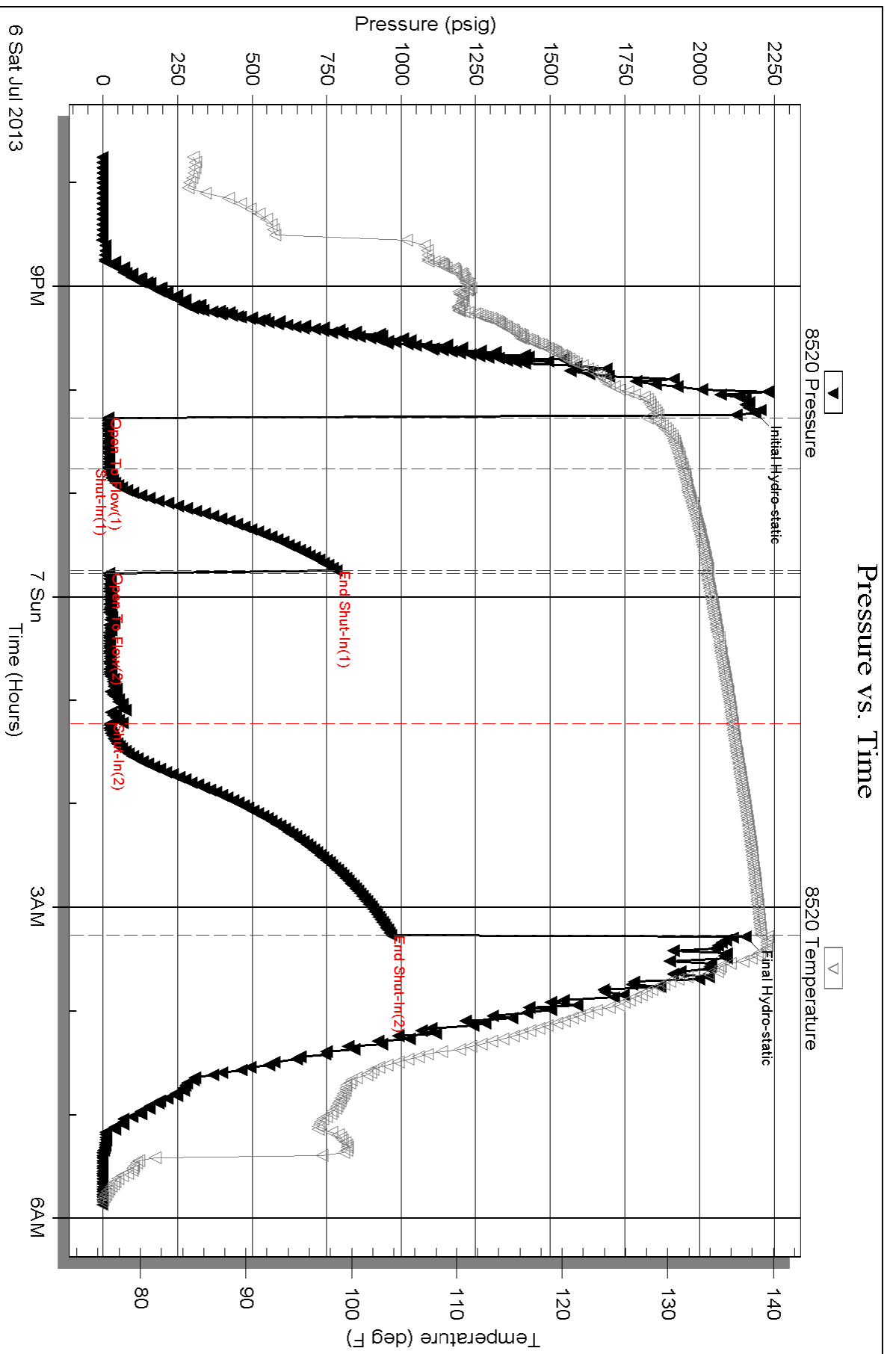
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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

August 16, 2013

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

Re: ACO1
API 15-153-20927-00-00
Moser 3-9
NW/4 Sec.09-01S-36W
Rawlins 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

ALLIED OIL & GAS SERVICES, LLC 060318

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley

DATE <u>6/23/13</u>	SEC. <u>9</u>	TWP. <u>1</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Moser</u>	WELL # <u>3</u>		LOCATION <u>McDonald N To Rig Ets</u>			COUNTY <u>Rawlins</u>	STATE <u>Ko.</u>
OLD OR <u>NEW</u> (Circle one)			into				

CONTRACTOR Beredeo #10
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 311'
 CASING SIZE 8 5/8 DEPTH 306.58'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 18.57

OWNER Same
 CEMENT AMOUNT ORDERED 225 SKS Com 3% CC 2% Gel

EQUIPMENT

PUMP TRUCK CEMENTER Dawn Racette
 # 423-281 HELPER Paul Beaver
 BULK TRUCK DRIVER Brandon Wilkinson
 # _____ DRIVER _____

COMMON	<u>225 SKS @ \$17.90</u>	<u>\$4027.50</u>
POZMIX	@	
GEL	<u>4 SKS @ \$23.40</u>	<u>\$93.60</u>
CHLORIDE	<u>8 SKS @ \$64.00</u>	<u>\$512.00</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>243.36 @ \$2.48</u>	<u>\$603.53</u>
MILEAGE	<u>11.10 x 50 x \$2.00</u>	<u>\$111.00</u>
TOTAL		<u>\$6679.63</u>

REMARKS:

mid 225 SKS Cement
Displace with water
Cement Did Circulate

Thank You.

SERVICE

DEPTH OF JOB	<u>306.58</u>	
PUMP TRUCK CHARGE		<u>\$1512.25</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>50 @ \$7.70</u>	<u>\$385.00</u>
MANIFOLD	<u>Swedge @ \$4.40</u>	<u>\$220.00</u>
<u>LV mileage</u>	@	
	@	
TOTAL		<u>\$2392.25</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

SALES TAX (if Any) _____
 TOTAL CHARGES 9,071.88
 DISCOUNT 2,540.12 IF PAID IN 30 DAYS
6,531.75 Net

CHARGE TO: Beredeo
 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]

ALLIED OIL & GAS SERVICES, LLC WELL

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Oakley

DATE <u>7-8-13</u>	SEC. <u>9</u>	TWP. <u>1</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 AM</u>	JOB FINISH <u>8:00 AM</u>	
LEASE <u>mpser</u>	WELL # <u>3</u>	LOCATION <u>McDonald 15N</u>			COUNTY <u>Rawlins</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>ETS into</u>					

CONTRACTOR <u>Beredco 10</u>	OWNER <u>same</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4250'</u>
CASING SIZE <u>4 1/2</u>	DEPTH <u>4591'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>4418</u>
CEMENT LEFT IN CSG. <u>4418</u>	
PERFS.	
DISPLACEMENT <u>70.47 BBL</u>	

EQUIPMENT		CEMENT	
PUMP TRUCK # <u>431</u>	CEMENTER <u>Andrew Fordlund</u>	AMOUNT ORDERED <u>300 sks Lite 3/4" flo seal</u>	
BULK TRUCK # <u>396</u>	HELPER <u>O J Gray</u>	<u>200 sks Lite 10% salt 2% gel</u>	
BULK TRUCK # <u>347</u>	DRIVER <u>Kevin Ryan</u>	<u>5# Gilsomite</u>	
	DRIVER <u>Chris Helpingline</u>	COMMON <u>200 sks</u>	@ <u>17.90</u> <u>3580.00</u>
		POZMIX	@
		GEL <u>4 sks</u>	@ <u>23.40</u> <u>93.60</u>
		CHLORIDE	@
		ASC	@
		<u>Lite 300 sks</u>	@ <u>15.95</u> <u>4785.00</u>
		<u>Gilsomite 1000#</u>	@ <u>.98</u> <u>980.00</u>
		<u>salt 21 sks</u>	@ <u>26.35</u> <u>553.35</u>
		<u>Flo-seal 225#</u>	@ <u>2.97</u> <u>668.25</u>
		HANDLING <u>590.32 cu ft</u>	@ <u>2.148</u> <u>1263.99</u>
		MILEAGE <u>2.60 TD/mile 24.25 ton</u>	@ <u>12.00</u> <u>3204.50</u>
		TOTAL <u>15328.69</u>	

REMARKS:

Plug mouse hole 15 sks Rat hole 30 sks
mix 255 sks Lite followed by 200
sk com down 4 1/2 casing. Wash
pump and line clean. Displace
plug float lift pressure
1700# land plug. Float held

Thank you

CHARGE TO: Berexco
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 Ed Jones

SERVICE

DEPTH OF JOB <u>4591'</u>	
PUMP TRUCK CHARGE	<u>2765.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>50 miles</u>	@ <u>7.20</u> <u>385.00</u>
MANIFOLD <u>head</u>	@ <u>225.00</u> <u>N/C</u>
<u>Light vehicle</u>	@ <u>4.40</u> <u>N/C</u>
	@
TOTAL <u>3150.25</u>	

PLUG & FLOAT EQUIPMENT

<u>4 1/2</u>	
<u>1 Qty Float shoe</u>	@ <u>217.00</u>
<u>1 Latch down plug Assy</u>	@ <u>155.00</u>
<u>12 Centralizers</u>	@ <u>35.00</u> <u>420.00</u>
<u>2 Baskets</u>	@ <u>162.00</u> <u>324.00</u>
<u>20 Reciprocating scratchers</u>	@ <u>35.00</u> <u>700.00</u>
TOTAL <u>1816.00</u>	

SALES TAX (if Any) _____
TOTAL CHARGES 2,0295.44
DISCOUNT 5,602.72 IF PAID IN 30 DAYS
14,612.71 Net.



CEMENTING LOG

STAGE NO. _____

Date 7-8-13 District Oakley Ticket No. 060759
 Company Berebco Rig Berebco
 Lease moser Well No. 3
 County Rawlins State KS
 Location 9 1 36 Field _____
McDonald 15N E. 15 S into

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 4 1/2 Type new Weight 11.6 Collar _____

Casing Depths: Top KB Bottom 4591'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 4250 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.155 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. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type Lite
3/4 Flo-seal Excess _____

Amt. 300 Skys Yield 1.90 ft³/sk Density 12.3 PPG

TAIL: Pump Time _____ hrs. Type com 10/20 1+
20 gal 5" Gilsonite Excess _____

Amt. 200 Skys Yield 1.49 ft³/sk Density 14.5 PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 431
 Bulk Equip. 396
347

Float Equip: Manufacturer Industrial Rubber

Shoe: Type APV float shoe Depth 4591

Float: Type Latch down Depth 4546.82

Centralizers: Quantity 12 Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. 2 baskets 208 crackers

Disp. Fluid Type water Amt. 20.47 Bbls. Weight _____ PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Andrew

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.		
<u>7:30</u>						<u>plug mouse hole 15 sks</u> <u>plug Rat hole 30 sks</u> <u>mix 255 sks Lite</u> <u>200 sks com</u> <u>Wash pump and line clean</u> <u>drop plug</u> <u>start Displacement</u>	
				<u>10</u>			
				<u>10</u>			
	<u>300</u>			<u>10</u>			
				<u>10</u>			
	<u>1100</u>			<u>10</u>			
	<u>1100</u>			<u>10</u>			
	<u>1700</u>			<u>2</u>			
<u>8:30</u>							<u>plug landed</u> <u>float held</u>

FINAL DISP. PRESS: 1100 PSI BUMP PLUG TO 1700 PSI BLEEDBACK 1/2 BBLs. THANK YOU