Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1264813

Form ACO-1
November 2016
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34318
Name: BEREXCO LLC
Address 1: 2020 N. Bramblewood
Address 2:
City: Wichita State: KS Zip: 67206 + 1094
Contact Person: Rodney Reynolds
Phone: (316) 265-3311
CONTRACTOR: License # 34317
Name: BEREDCO LLC
Wellsite Geologist: Bryan Bynog
Purchaser: N/A

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD
☐ Gas ☑ DH ☐ EOR
☐ OG ☐ GSW
☐ 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 EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

06/22/2015	07/02/2015	07/03/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-153-21149-00-00
Spot Description:
N2 - S2 - S2 - SW Sec. 28 Twp. 1 S. R. 36 ☐ East ☑ West
600 Feet from ☐ North / ☑ South Line of Section
1320 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Rawlins
Lease Name: Moser C Well #: 6-28
Field Name: un-named Wildcat
Producing Formation: N/A
Elevation: Ground: 3283 Kelly Bushing: 3294
Total Vertical Depth: 4658 Plug Back Total Depth: 0
Amount of Surface Pipe Set and Cemented at: 304 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: 1200 ppm Fluid volume: 600 bbls
Dewatering method used: Evaporated

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: 09/22/2015
☑ **Confidential Release Date:** 09/21/2017
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 09/23/2015

[redacted]

1264813

Operator Name: BEREXCO LLC Lease Name: Moser C Well #: 6-28

Sec. 28 Twp. 1 S. R. 36 ☐ East ☑ West County: Rawlins

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Geolgist Report / Mud Logs ☐ Yes ☐ No

List All E. Logs Run:

Radiation Guard Log
Dual Induction Log
Microresistivity Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	304	Common	225	3%cc, 2%gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Moser C 6-28
Doc ID	1264813

Tops

Name	Top	Datum
Anhydrite (top)	3196	+98
Anhydrite (base)	3230	+64
Foraker	2794	-500
Topeka	4012	-718
Oread	4146	-852
Lansing A	4230	-936
Lansing B	4290	-996
Lansing C	4354	-1060
Lansing D	4394	-1100
Lansing E	4435	-1141
Lansing F	4474	-1180
Pawnee	4626	-1332
RTD	4658	-1364
LTD	4626	-1361

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Moser C 6-28
Doc ID	1264813

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	304	Common	225	3%cc, 2%gel

WELL FILE

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067767

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

SERVICE POINT: Ruidoso, NM

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
6/22/15	28					2:30	10:00pm
LEASE Mosley	WELL # 6-28		LOCATION McDonald N TO Rd 2 3/4E N-W into			COUNTY Chaves	STATE NM
OLD OR NEW (Circle one)							

CONTRACTOR Beardco 10
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 304
CASING SIZE 8 5/8 DEPTH 304
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 18¼

OWNER Same

CEMENT
AMOUNT ORDERED 225 Com 3%CC 2%gel

EQUIPMENT

PUMP TRUCK CEMENTER Allen Ryan
495181 HELPER Kevin Ryan
BULK TRUCK
818 DRIVER Wayne McGhghy
BULK TRUCK
DRIVER

COMMON	225	@ 17.90	4027.50
POZMIX		@	
GEL	4.23	@ 19.50	21.59
CHLORIDE	6.35	@ 46.60	295.90
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
TOTAL			4,937.50
DISCOUNT	45 %		2221.88

REMARKS:
Ran 8 jts 8 5/8 Csg. Mix Cement Disp. Cement Shut in
Cement Did Circulate
Thank You
Allen, Kevin & Wayne

SERVICE

HANDLING	239	@ 2.40	603.41
MILEAGE	225 Sacks/mile 11.104 Tons		1526.80
DEPTH OF JOB			
PUMP TRUCK CHARGE			1512.25
EXTRA FOOTAGE		@	
HV MILEAGE	50	@ 7.70	385.00
LV MILEAGE		@	
		@	
		@	
TOTAL			4,027.46
DISCOUNT	45%		1812.35

CHARGE TO: Beardco
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	
TOTAL			
DISCOUNT	%		

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 Ravel I.
SIGNATURE

SALES TAX (If Any)
TOTAL CHARGES 3964.96
DISCOUNT 4,034.22 (45%) IF PAID IN 30 DAYS
NET TOTAL 4,930.72 IF PAID IN 30 DAYS

ALLIED
OIL & GAS SERVICES, LLC

CEMENTING LOG

STAGE NO.

Date 10/22/15 District Oakley Ticket No. 067766
Company Sweco Rig Beredco 10
Lease Moser Well No. 0220
County Sumner State Kans
Location _____ Field _____

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

Casing Depths: Top KB Bottom _____

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

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0637 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. _____
Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

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

LEAD: Pump Time _____ hrs. Type Com 3%CC
2%gel
Excess _____
Amt. 225 Sks Yield 1.34 ft³/sk Density 14.2 PPG
TAIL: Pump Time _____ hrs. Type _____
Excess _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
WATER: Lead 6.5 gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 488-281
Bulk Equip. 518

Float Equip. Manufacturer _____
Shoe: Type _____ Depth _____
Float: Type _____ Depth _____
Centralizers: Quantity _____ Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. _____
Disp. Fluid Type H20 Amt. _____ Bbls. Weight _____ PPG
Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____ CEMENTER _____

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Called Run 8 5/8 csg set @
						Rig Up Circulate
				37.0	3 1/2	Mix Cement
				18.4	6.0	Displace Cement
						Shut in
						Rig Complete

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

DRILL STEM TEST REPORT

Berexco LLC

2020 N Bramblew ood
Wichita KS 67206

ATTN: Bryan Bynog

28 1S 36W Rawlins KS

Moser C 6-28

Job Ticket: 65066 **DST#: 1**

Test Start: 2015.06.27 @ 09:15:00

GENERAL INFORMATION:

Formation: **LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:36:30
Time Test Ended: 18:31:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Robert Zodrow
Unit No: 66

Interval: 4170.00 ft (KB) To 4270.00 ft (KB) (TVD)
Total Depth: 4270.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

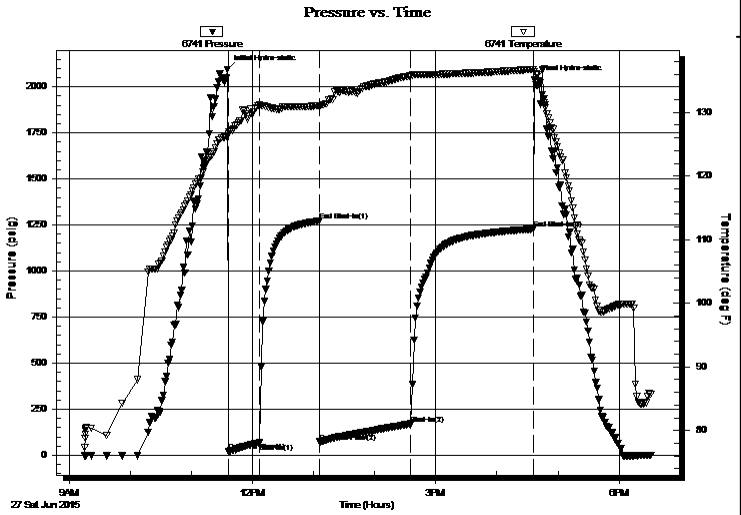
Reference Elevations: 3305.00 ft (KB)
3294.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 170.13 psig @ 4171.00 ft (KB)
Start Date: 2015.06.27 End Date: 2015.06.27
Start Time: 09:15:05 End Time: 18:31:30

Capacity: 8000.00 psig
Last Calib.: 2015.06.27
Time On Btm: 2015.06.27 @ 11:35:30
Time Off Btm: 2015.06.27 @ 16:37:00

TEST COMMENT: 30-IF- Blow built to 3 1/8"
60-ISI- No return
90-FF- Blow started in 20 mins built to 3/12"
120-FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2094.88	126.30	Initial Hydro-static
1	19.52	126.61	Open To Flow (1)
32	67.04	131.14	Shut-In(1)
90	1271.63	131.10	End Shut-In(1)
91	72.84	130.80	Open To Flow (2)
180	170.13	135.74	Shut-In(2)
301	1228.34	136.75	End Shut-In(2)
302	2040.44	136.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
230.00	MUD w ith oil spots	1.13

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2020 N Bramblew ood
Wichita KS 67206

ATTN: Bryan Bynog

28 1S 36W Rawlins KS

Moser C 6-28

Job Ticket: 65066 **DST#: 1**

Test Start: 2015.06.27 @ 09:15:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.00 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
230.00	MUD w ith oil spots	1.131

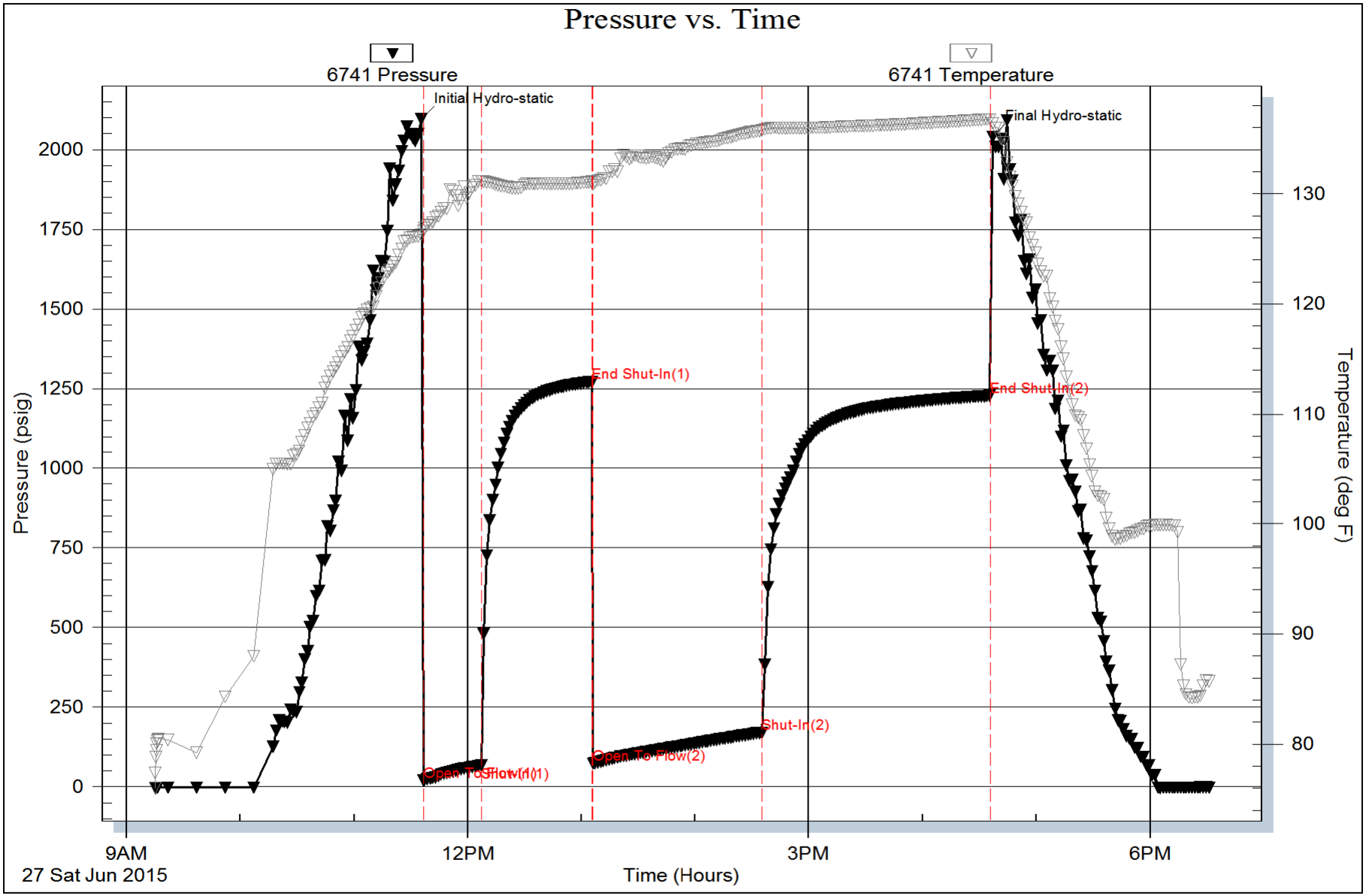
Total Length: 230.00 ft Total Volume: 1.131 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6741 **Inside** Berexco LLC Moser C 6-28 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 65066 Printed: 2015.06.27 @ 22:41:09

DRILL STEM TEST REPORT

Berexco LLC

2020 N Bramblew ood
Wichita KS 67206

ATTN: Bryan Bynog

28 1S 36W Rawlins KS

Moser C 6-28

Job Ticket: 65067 **DST#: 2**

Test Start: 2015.06.28 @ 04:20:00

GENERAL INFORMATION:

Formation: **LKC "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:21:30
Time Test Ended: 14:06:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Robert Zodrow
Unit No: 66

Interval: 4250.00 ft (KB) To 4330.00 ft (KB) (TVD)
Total Depth: 4330.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

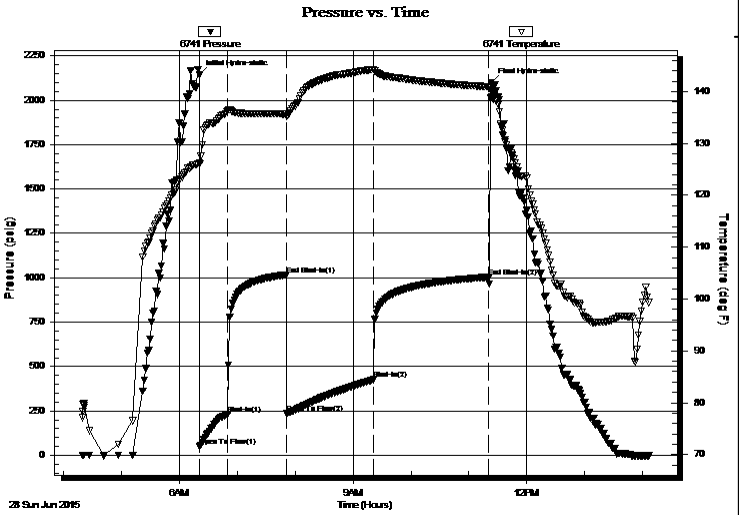
Reference Elevations: 3305.00 ft (KB)
3294.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 426.10 psig @ 4251.00 ft (KB)
Start Date: 2015.06.28 End Date: 2015.06.28
Start Time: 04:20:05 End Time: 14:06:30

Capacity: 8000.00 psig
Last Calib.: 2015.06.28
Time On Btm: 2015.06.28 @ 06:21:00
Time Off Btm: 2015.06.28 @ 11:23:30

TEST COMMENT: 30-IF- Bob in 13 mins
60-ISI- No return
90-FF- Bob in 19 mins
120-FSI- Surface blow on return died in 50 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.95	126.17	Initial Hydro-static
1	48.99	126.01	Open To Flow (1)
30	229.75	136.32	Shut-In(1)
90	1016.82	135.65	End Shut-In(1)
91	235.78	135.25	Open To Flow (2)
180	426.10	144.26	Shut-In(2)
300	1003.89	140.94	End Shut-In(2)
303	2100.65	138.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
595.00	OCMW 2%O 25%M 73%W	4.66
125.00	OCWM 15%O 20%W 65%M	1.75
190.00	OCM 25%O 75%M	2.67
20.00	CO 2%G 98%O	0.28

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2020 N Bramblew ood
Wichita KS 67206

ATTN: Bryan Bynog

28 1S 36W Rawlins KS

Moser C 6-28

Job Ticket: 65067 **DST#: 2**

Test Start: 2015.06.28 @ 04:20:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	20 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	20000 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.40 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	700.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
595.00	OCMW 2%O 25%M 73%W	4.657
125.00	OCWM 15%O 20%W 65%M	1.753
190.00	OCM 25%O 75%M	2.665
20.00	CO 2%G 98%O	0.281

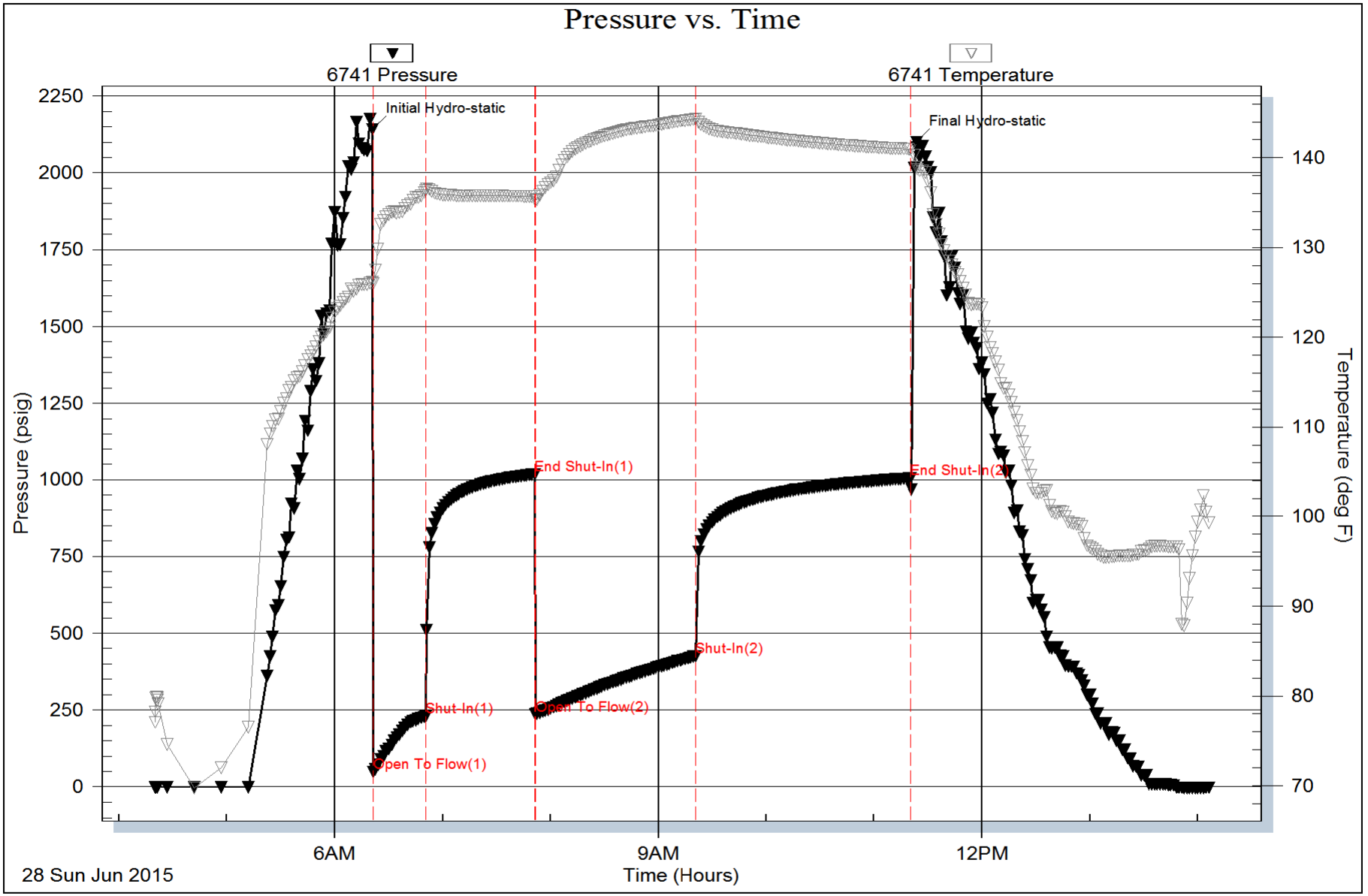
Total Length: 930.00 ft Total Volume: 9.356 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .260 @ 94.4 Deg F = 20000

Serial #: 6741 **Inside** Berexco LLC Moser C 6-28 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 65067 Printed: 2015.06.28 @ 22:45:59

DRILL STEM TEST REPORT

Berexco LLC

2020 N Bramblew ood
Wichita KS 67206

ATTN: Bryan Bynog

28 1S 36W Rawlins KS

Moser C 6-28

Job Ticket: 65069 **DST#: 3**

Test Start: 2015.06.29 @ 05:30:00

GENERAL INFORMATION:

Formation: **LKC** " C and D
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:59:30
Time Test Ended: 14:14:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Robert Zodrow
Unit No: 66

Interval: 4310.00 ft (KB) To 4420.00 ft (KB) (TVD)
Total Depth: 4420.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

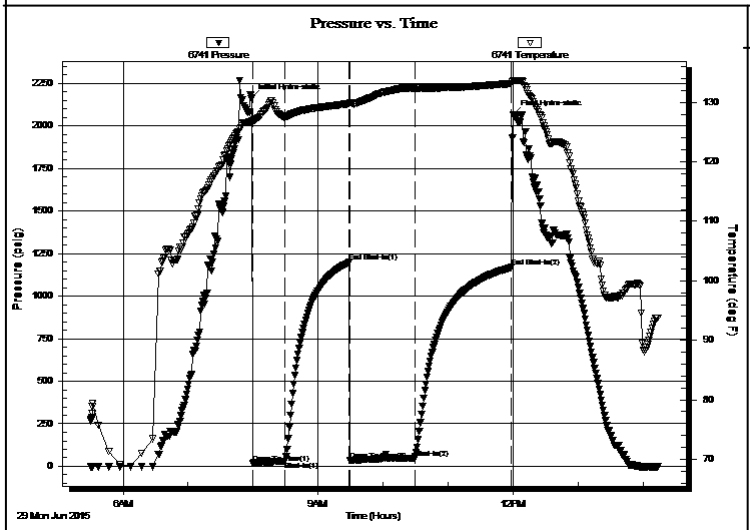
Reference Elevations: 3305.00 ft (KB)
3294.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 47.10 psig @ 4311.00 ft (KB)
Start Date: 2015.06.29 End Date: 2015.06.29
Start Time: 05:30:05 End Time: 14:14:00

Capacity: 8000.00 psig
Last Calib.: 2015.06.29
Time On Btm: 2015.06.29 @ 07:59:00
Time Off Btm: 2015.06.29 @ 12:00:30

TEST COMMENT: 30-IF- Blow built to 1"
60-ISI- No return
60-FF- No blow
90-FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.33	126.74	Initial Hydro-static
1	19.49	126.86	Open To Flow (1)
31	30.75	127.50	Shut-In(1)
90	1198.72	129.75	End Shut-In(1)
91	34.81	129.98	Open To Flow (2)
150	47.10	132.40	Shut-In(2)
240	1169.18	133.15	End Shut-In(2)
242	2067.52	133.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MUD w ith oil spots	0.30

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2020 N Bramblew ood
Wichita KS 67206

ATTN: Bryan Bynog

28 1S 36W Rawlins KS

Moser C 6-28

Job Ticket: 65069 **DST#: 3**

Test Start: 2015.06.29 @ 05:30:00

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:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.80 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MUD w ith oil spots	0.295

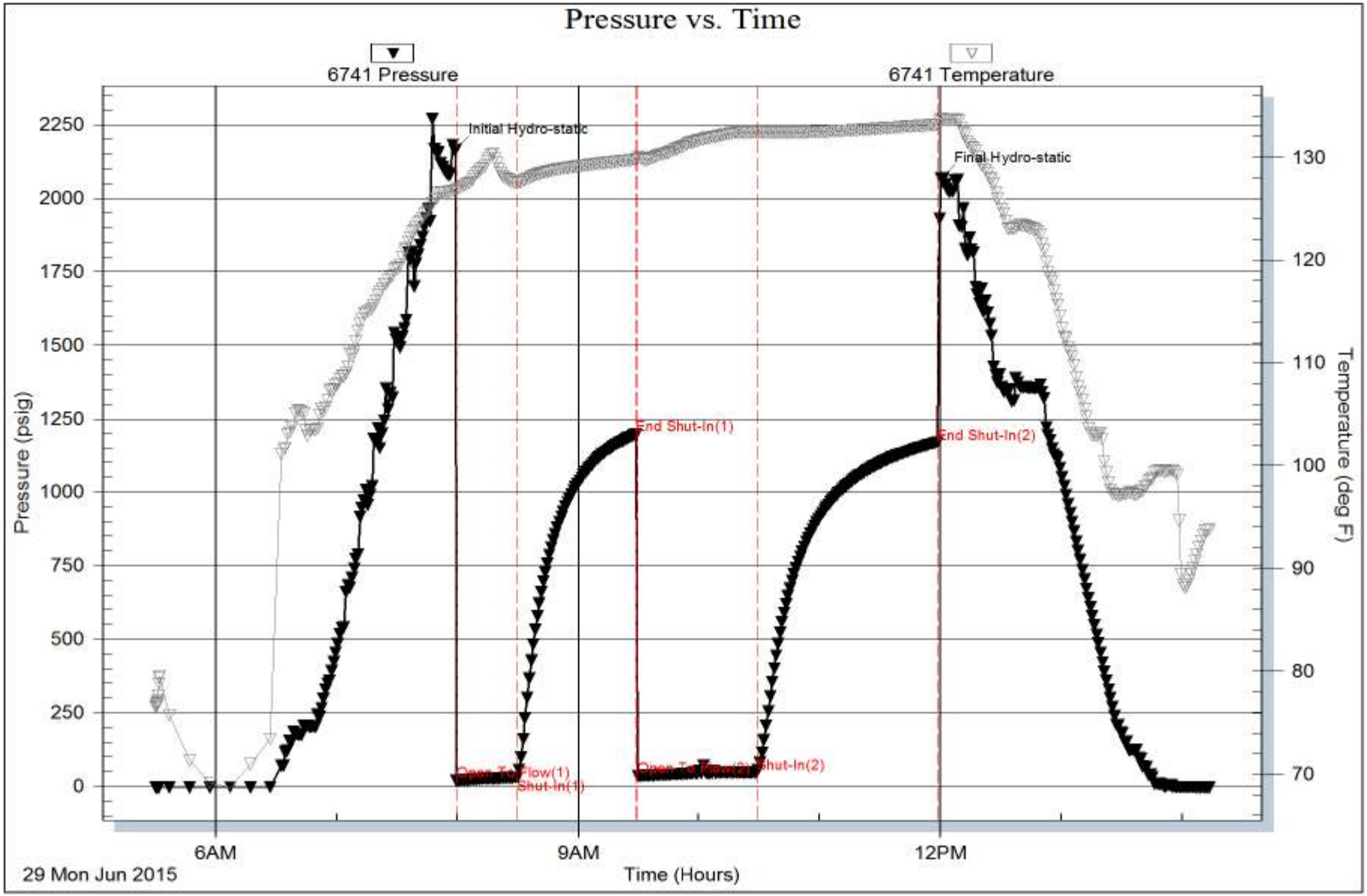
Total Length: 60.00 ft Total Volume: 0.295 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6741 **Inside** Berexco LLC Moser C 6-28 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 65069 Printed: 2015.06.29 @ 14:41:34

DRILL STEM TEST REPORT

Berexco LLC

2020 N Bramblew ood
Wichita KS 67206

ATTN: Bryan Bynog

28 1S 36W Rawlins KS

Moser C 6-28

Job Ticket: 65069 **DST#: 4**

Test Start: 2015.07.01 @ 01:40:00

GENERAL INFORMATION:

Formation: **LKC "E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:47:00
Time Test Ended: 09:46:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Robert Zodrow
Unit No: 66

Interval: 4408.00 ft (KB) To 4460.00 ft (KB) (TVD)
Total Depth: 4460.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

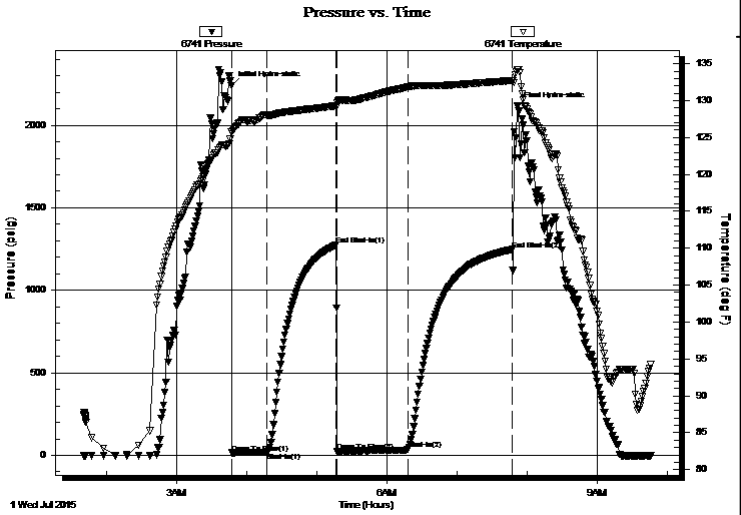
Reference Elevations: 3305.00 ft (KB)
3294.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 35.26 psig @ 4409.00 ft (KB)
Start Date: 2015.07.01 End Date: 2015.07.01
Start Time: 01:40:05 End Time: 09:45:59

Capacity: 8000.00 psig
Last Calib.: 2015.07.01
Time On Btm: 2015.07.01 @ 03:46:30
Time Off Btm: 2015.07.01 @ 07:51:29

TEST COMMENT: 30-IF- Blow built to 1/4"
60-ISI- No return
60-FF- No blow
90-ISI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.26	125.73	Initial Hydro-static
1	15.10	125.77	Open To Flow (1)
31	20.34	127.98	Shut-In(1)
90	1274.27	129.30	End Shut-In(1)
91	22.83	129.75	Open To Flow (2)
151	35.26	131.84	Shut-In(2)
241	1247.14	132.74	End Shut-In(2)
245	2115.86	134.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MUD 100%M	0.05

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2020 N Bramblew ood
Wichita KS 67206

ATTN: Bryan Bynog

28 1S 36W Rawlins KS

Moser C 6-28

Job Ticket: 65069 **DST#: 4**

Test Start: 2015.07.01 @ 01:40:00

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

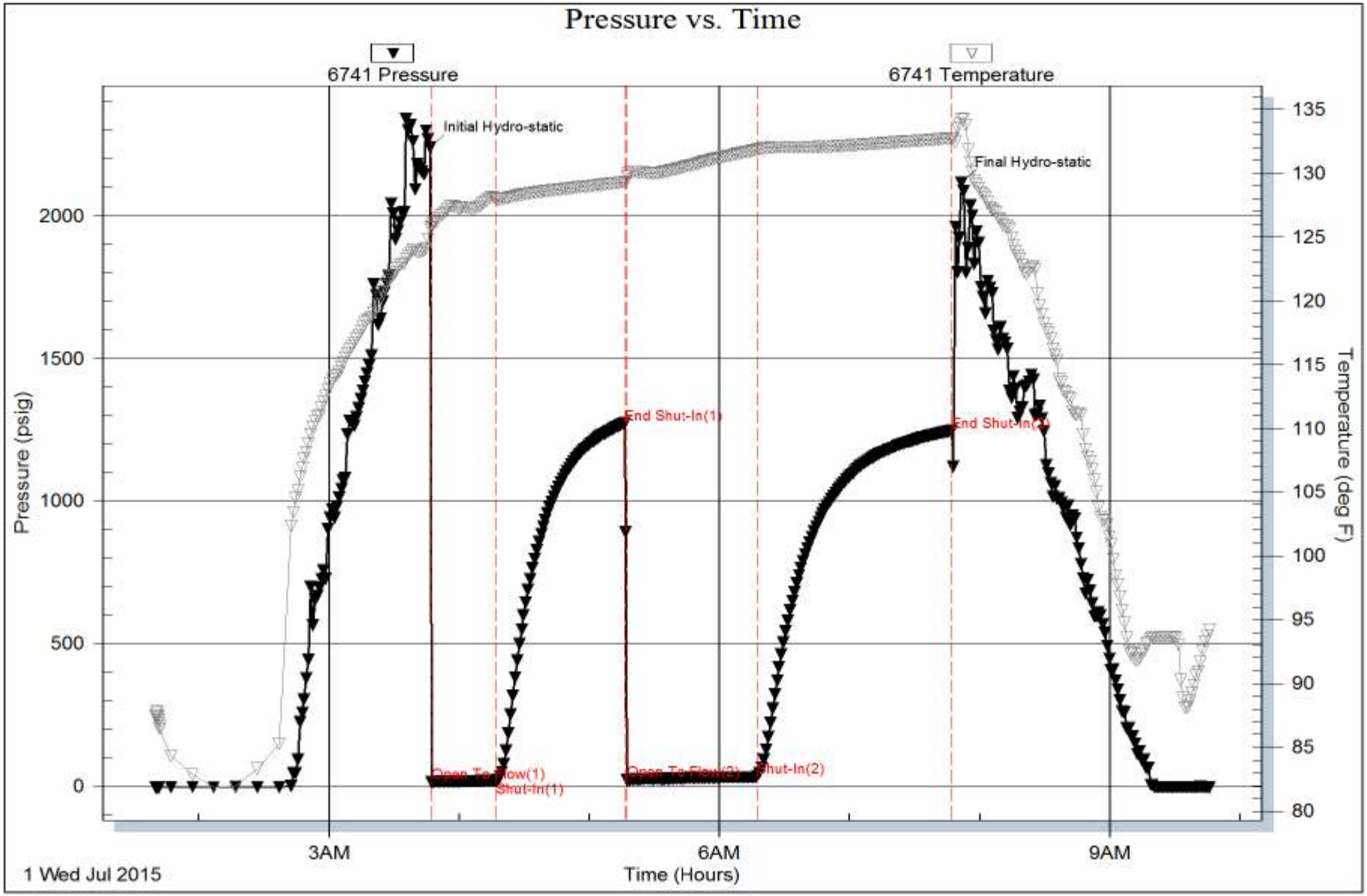
Recovery Table

Length ft	Description	Volume bbl
10.00	MUD 100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6741 **Inside** Berexco LLC Moser C 6-28 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 65069 Printed: 2015.07.01 @ 11:33:42

BEREXCO, LLC.
MOSER C #6-28
S2S2SW SECTION 28 1S-36W
RAWLINS COUNTY, KANSAS

GEOLOGIST
WILLIAM B. BYNOG

RESUME

OPERATOR:	BEREXCO, LLC.
WELL NAME & NUMBER:	MOSER C #6-28
LOCATION:	S2S2SW SECTION 28 1S-36W
COUNTY:	RAWLINS
STATE:	KANSAS
SPUD DATE: 6-22-2015	COMPLETION DATE: 7-2-2015
ELEVATIONS:	GL: 3283 KB: 3294
CONTRACTOR:	BEREDCO RIG 10
LOGS: LOG TECH	TYPES: RAG, MICROLOG & DIL
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 4170-4270, DST#2 4250-4330, DST#3 4310-4420 & DST#4 4408-4460
WELL STATUS:	PLUG & ABANDON

DISCUSSION

Moser C #6-28 1S-36W was drilled a total depth of 4658 feet testing the Lansing Kansas City and Pawnee formations in Rawlins County, Kansas. This well was drilled with the help of seismic data and well control, just southwest of East Fork field on a satellite structure.

Structurally, Moser C #6-28 came in 13 feet low to the prognosis and low to productive wells in the area.

As a result of running low there were either tight or wet zones with poor to fair porosity development and low resistivity.

While drilling ahead there were minor shows of dead oil up hole in the upper Foraker and Wabunsee formations, none worthy of a drill stem test. The Lansing A zone was the first live oil show encountered in a fossiliferous Limestone and was tested on drill stem test #1 recovering 230 feet of oil spotted mud. The B zone was associated with a good drilling break, fair to good porosity development and good live sample shows in a fossiliferous Grainstone. This zone was tested on drill stem test #2 recovering 930 feet of total fluid; 20 feet of oil, 190 feet of oil cut mud (25% oil), 125 feet of oil and water cut mud (15 oil, 20% water and 65% mud) and 595 feet of oil and mud cut water (2% oil, 73% water and 25% mud). Drilling continued to the C zone encountering good live oil shows. The C and D zones were tested together on drill stem test #3 recovering 60 feet of oil spotted mud. The E zone had a very faint oil show with a poor cut and was tested on drill stem test #4 recovering only 10 feet of mud.

Logs agreed with sample evaluation recording poor to fair porosity development. The zones that were permeable appeared to be wet on logs and drill stem tests.

A decision was made to plug and abandon due to the low oil recoveries on drill stem tests and wet or tight log calculations.

MOSER C #6-28 SAMPLE DESCRIPTIONS

3700-96 SHALE red,fair,very silty

3796-3808 LIMESTONE white,slightly hard,oolitic,very chalky,poor vis porosity,spotty black dead stain,no free oil, abundant Chert orange

3808-40 LIMESTONE pale gray,hard,blocky,dirty,silty in part,no shows with thin SHALE green,firm,waxy

3840-50 SANDSTONE off white,firm,very fine grained,argillaceous,calcareous cement,poor porosity,no shows

3850-3900 SHALE red,some green,soft,very argillaceous,with thin LIMESTONE white,soft,very chalky,some Chert orange

3900-24 SHALE red,green,firm,silty

3924-30 LIMESTONE buff,hard,blocky,slightly fossils,dense,poor porosity,no shows

3930-64 SHALE as above with thin LIMESTONE as above

3964-76 LIMESTONE off white,firm,oolitic,chalky,poor pinpoint vuggy porosity,abundant black dead stain,nfo

3976-96 SHALE as above

FORAKER

3996-4002 LIMESTONE buff,hard,blocky,slightly fossils,poor porosity,very spotty black dead stain,nfo

4002-08 SHALE red,firm,fissile

TOPEKA

4008-46 LIMESTONE buff,pale gray,very hard,dense,blocky,crptoxln, abundant Chert white,orange

4046-50 SHALE red,soft,very argillaceous

4050-68 SANDSTONE pale red,friable,very fine grained,very argillaceous,fair vis porosity,no shows

4068-78 SHALE red,soft,very argillaceous

4078-4100 LIMESTONE white,firm,fossils,very chalky,poor to fair intergranular to crystalline porosity,no shows

4100-32 SHALE maroon,slightly hard,very silty

4132-44 SHALE red,soft,very argillaceous

OREAD

4144-62 LIMESTONE white,firm,microcrystalline to chalky,poor to fair microcrystalline porosity,no shows

MOSER C #6-28 SAMPLE DESCRIPTIONS

4162-86 LIMESTONE buff,pale tan,very hard,dense,blocky,crptoxln,no shows

4186-4202 SHALE dark gray,gray black,hard,silty in part,slightly carbonaceous

4202-08 SHALE gray,firm,silty,some sandy in part,very fine grained,poor porosity,no shows

4208-32 SHALE red,very soft,very argillaceous

A

4232-46 LIMESTONE pale gray,firm,very fossils,fair to good oocastic moldic porosity,spotty to even live brown stain,very good cut,very good show free oil

4246-60 LIMESTONE buff,pale tan,very hard,very dense,crptoxln,no shows some Chert orange

4260-64 SANDSTONE translucent,friable,very fine grained,poor to fair intergranular porosity,no shows with SHALE as above

4264-92 SHALE red,firm,very silty

B

4292-4305 GRAINSTONE white,firm,very fossils,chalky in part,fair to good intergranular porosity,spotty to even live black stain,very good cut,good show free oil

4305-12 LIMESTONE buff,hard,blocky,very chalky in part,poor vis porosity,very spotty live black stain,good cut

4312-30 SHALE green,red,firm,silty with thin LIMESTONE buff,pale gray,hard,dense,poor porosity,no shows

4330-52 SHALE red,firm,fissile,argillaceous

C

4352-48 LIMESTONE buff,hard,slightly fossils,dense,poor porosity,no shows

4358-62 LIMESTONE white,firm,fossils,chalky in part,poor to fair intergranular porosity,spotty live brown stain,fair cut,poor show free oil

4362-68 LIMESTONE buff,hard,dense,chalky,poor porosity,no shows

4368-94 SHALE green,firm,argillaceous

D

4394-98 LIMESTONE buff,very hard,dense,blocky,crptoxln,no shows

4398-4408 LIMESTONE buff,slightly hard,fossils,microcrystalline,poor to fair intxln porosity,spotty faint brown stain,fair slow cut,no free oil

4408-20 LIMESTONE buff,very hard,dense,crptoxln,no shows with thin SHALE as above

4420-40 SHALE red,firm,fissile,argillaceous

E

4439-45 LIMESTONE buff,hard,blocky,chalky in part,poor vis porosity,no shows

4445-52 LIMESTONE white,firm,slightly fossils,chalky,poor vis microcrystalline porosity,very spotty faint brown stain,very faint cut,no free oil

4452-58 LIMESTONE buff,hard,dense,chalky in part,no shows

4458-74 SHALE red,firm,fissile

F

4474-4500 LIMESTONE buff,very hard,dense,crptoxln,no shows with thin SHALE as above

4500-12 LIMESTONE white,firm,chalky,fossils,poor vis porosity,no shows

4512-80 SHALE red,firm,silty, sandy in part with thin LIMESTONE buff,very hard,dense,crptoxln

4580-90 LIMESTONE pale gray,hard,chalky,dirty,sandy in part,poor porosity,no shows

4590-4632 SHALE red,firm,fissile

PAWNEE

MOSER C #6-28 SAMPLE DESCRIPTIONS

4632-50 LIMESTONE buff,hard,blocky,microcrystalline,sandy in part,poor porosity,no shows

4650-58 SHALE as above becoming very argillaceous

RTD 4658'

LTD 4655'

WELL FILE

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067770

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

SERVICE POINT: Oakley KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
2/2/15	28	7	36			8:00 pm	9:00 pm

LEASE	WELL #	LOCATION	COUNTY	STATE
Moser C	6-28	McDonald N to 027	Rawlins	KS
OLD OR NEW (Circle one)		3 1/2 E N/W into		

CONTRACTOR Beredco 10
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D.
CASING SIZE 6 5/8 DEPTH
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER Same

CEMENT
AMOUNT ORDERED 255 60/40 4% Gel 1/4# Flo Seal

EQUIPMENT

PUMP TRUCK # 451 CEMENTER Allen Ryan
HELPER Wayne Murphy
BULK TRUCK # 810 DRIVER Levi Ryan
BULK TRUCK # DRIVER

REMARKS:

50 SKS @ 3045'
100 SKS @ 2433'
50 SKS @ 354'
10 SKS @ 140'
15 SK - RH
30 SK - MH

CHARGE TO: Beredco
STREET
CITY STATE ZIP

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE	255	@	
~~ASC~~ AMW 60/40 4%		@ 18.25	4824.60
Flo Seal 64 lb		@ 2.99	190.08
		@	
		@	
		@	
		@	
		@	
		@	
TOTAL			5,014.68
DISCOUNT	4%		2007.05

SERVICE

HANDLING	278.80 CF	@ 2.36	629.20
MILEAGE 225	70 x 1 mile	11.436 TON	1572.43
DEPTH OF JOB			
PUMP TRUCK CHARGE	3215'		2600.00
EXTRA FOOTAGE		@	
HV MILEAGE	50	@ 2.20	385.00
LV MILEAGE		@	
		@	
		@	5242.10
TOTAL			
DISCOUNT	4%		

PLUG & FLOAT EQUIPMENT

8 5/8 Wooden Plug		@ 110.00	
		@	
		@	
		@	
		@	
TOTAL			110.00
DISCOUNT	0%		

SALES TAX (If Any) 818.98
TOTAL CHARGES 10,251.80 10,366.
DISCOUNT 4920.86 48% IF PAID IN 30 DAYS
NET TOTAL 5330.94 IF PAID IN 30 DAYS

4925
5443.

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 Davis Jr
SIGNATURE

ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

STAGE NO.

Date 7/2/15 District Oakley Ticket No 063220
Company Berexco Rig Berexco 10
Lease Moser C Well No. 6-28
County Rawlins State KS
Location _____ Field _____

CASING DATA: Conductor ☐ PTA ☒ Squeeze ☐ Misc ☐
Surface ☒ Intermediate ☐ Production ☐ Liner ☐
Size 8 7/8 Type _____ Weight _____ Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
Open Hole: Size 7 7/8 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. _____
Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. _____
Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

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

LEAD: Pump Time _____ hrs. Type 60/40 4%gel
114 SKS 40 Excess _____
Amt. 255 Sks Yield 1 ft³/sk Density 13.83 PPG
TAIL: Pump Time _____ hrs. Type _____
Excess _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
WATER: Lead 6.9 gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 431
Bulk Equip. 818

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

COMPANY REPRESENTATIVE _____ CEMENTER _____

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						on location Safety Mtg Set up
						Pump Spacer
				8 4		Mix 50 SKS @ 13.5 Displace w/ Rig Mud
				16 4		Mix 100 SKS @ 13.3 Displace w/ Rig Mud
				8 4		Mix 50 SKS @ 15.4
				2		Mix 10 SKS @ 18
				3		Mix 15 SK RH
				5		Mix 30 SK MH

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