

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251218
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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

1251218

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Owens Trust 2-19
Doc ID	1251218

Tops

Name	Top	Datum
Anhydrite	3192	+44
Anhydrite (base)	3227	+9
Chase Limestone	3390	-154
Neva	3650	-414
Red Eagle	3714	-478
Foraker	3769	-533
Wabaunsee	3885	-649
Topeka	3986	-750
Deer Creek	4066	-830
Oread	4123	-887
Heebner	4154	-918
LKC A	4200	-964
LKC B	4261	-1025
LKC C	4314	-1078
LKC D	4357	-1121
LKC E	4406	-1170
LKC F	4446	-1210
Pawnee	4598	-1362
Ft. Scott	4671	-1435
Cherokee	4687	-1451
RTD	4750	-1514
LTD	4752	-1516

WELL FILE

ALLIED OIL & GAS SERVICES, LLC 064678

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Dakley

DATE <u>1-30-15</u>	SEC. <u>19</u>	TWP. <u>15</u>	RANGE <u>2722</u>	CALLED OUT	ON LOCATION <u>10:30 pm</u>	JOB START <u>12:30</u>	JOB FINISH <u>12:00</u>
<u>Owens Trust LEASE</u>	WELL # <u>2-A</u>	LOCATION <u>Birdcity N to state line</u>			COUNTY <u>Cherokee</u>	STATE <u>15</u>	
OLD OR <u>NEW</u> (Circle one)			<u>2 E 32.5 W into</u>				

CONTRACTOR <u>Baredco 2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>1 7/8</u>	T.D. <u>300'</u>
CASING SIZE <u>8 3/8</u>	DEPTH <u>294.87</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>1782 cbl</u>	

EQUIPMENT	
PUMP TRUCK # <u>495-281</u>	CEMENTER <u>Andrew Forslund</u>
BULK TRUCK # <u>818</u>	HELPER <u>Darren Racette</u>
BULK TRUCK #	DRIVER <u>George Grant</u>
BULK TRUCK #	DRIVER

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Ber exco

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 Myles Salinas

SIGNATURE Myles Salinas

CEMENT	
AMOUNT ORDERED <u>225 sks com 3 1/2 cc</u>	
<u>240 gal.</u>	

COMMON <u>225 sks</u>	@ <u>17.90</u>	<u>4027.50</u>
POZMIX	@	
GEL <u>423 gal</u>	@ <u>1.50</u>	<u>211.50</u>
CHLORIDE <u>634 lbs</u>	@ <u>1.10</u>	<u>697.40</u>
ASC	@	

<u>110 gal</u>	@	<u>4936.40</u>
<u>(2031.38 / 453)</u>	@	
	@	
	@	
	@	
	@	

HANDLING <u>243.23 cbl/ft</u>	@ <u>2.48</u>	<u>603.98</u>
MILEAGE <u>2.25 ton/mile</u>	<u>110 ton</u>	<u>1526.25</u>
		TOTAL _____

SERVICE

DEPTH OF JOB <u>294.87</u>	
PUMP TRUCK CHARGE	<u>1526.25</u>
EXTRA FOOTAGE	@ _____
MILEAGE <u>50 miles</u>	@ <u>7.70</u> <u>385.00</u>
MANIFOLD <u>swedge</u>	@ <u>225.00</u> <u>N/C</u>
<u>light vehicle</u>	@ <u>4.40</u> <u>N/C</u>
	@ _____
<u>(1812.09 / 453)</u>	TOTAL <u>4,026.88</u>

PLUG & FLOAT EQUIPMENT

	@ _____
	@ _____
	@ _____
	@ _____
	@ _____
TOTAL _____	

SALES TAX (If Any) _____

TOTAL CHARGES 8,963.28

DISCOUNT 4,033.47 (45%) IF PAID IN 30 DAYS

4,929.80 Net.



CEMENTING LOG

STAGE NO.

Date 1-30-15 District Oakley Ticket No. 064628
 Company Berexco Rig Berexco 2
 Lease Owens Trust Well No. 2-19
 County Cheyenne State WY
 Location 19 15 37W Field Bird city 17N 2E 38S Winto
 CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight _____ Collar _____

CEMENT DATA:

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

LEAD: Pump Time _____ hrs. Type COM. 3/16cc
290gel. Excess _____

Amt. 225 Sks Yield 1.34 ft³/sk Density 15.2 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

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

Pump Trucks Used 495-281
 Bulk Equip. 818

Casing Depths: Top 63 Bottom 294.87

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 300' 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. _____

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type Water Amt. 1282 Bbls. Weight _____ PPG

Mud Type _____ Weight _____ PPG

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

COMPANY REPRESENTATIVE _____

CEMENTER Andrew

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
11:30						Start mixing cement Cement mixed Start Displacement
				10 7.82		Displacement in STOP pump Shut in Cement did circulate
12:00	225					



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC.
 2020 N. Bramblewood
 Wichita Ks, 67206
 ATTN: Pete Vollmer

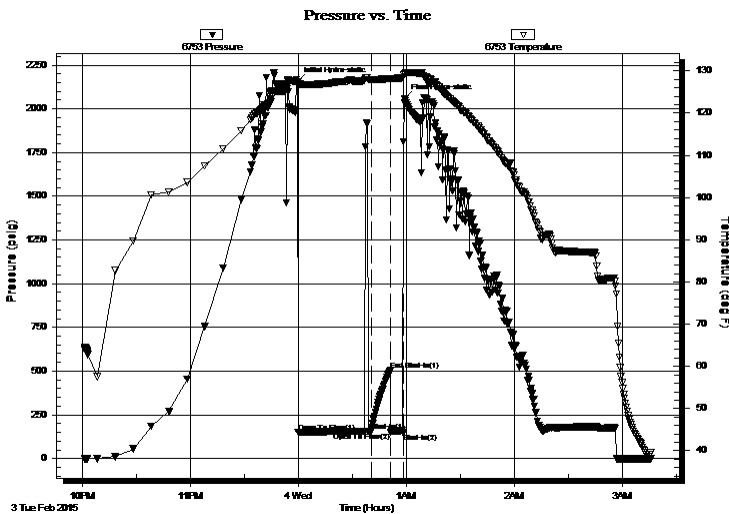
19-1S-37W
Owens - Trust #2-19
 Job Ticket: 61088 **DST#: 1**
 Test Start: 2015.02.03 @ 22:01:00

GENERAL INFORMATION:

Formation: **KCL - 'B'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:59:45
 Time Test Ended: 03:15:45
 Interval: **4214.00 ft (KB) To 4274.00 ft (KB) (TVD)**
 Total Depth: 4274.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: #54
 Reference Elevations: 3236.00 ft (KB)
 3223.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6753 Outside
 Press @ Run Depth: 154.70 psig @ 4215.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.02.03 End Date: 2015.02.04 Last Calib.: 2015.02.04
 Start Time: 22:01:05 End Time: 03:15:44 Time On Btm: 2015.02.03 @ 23:59:30
 Time Off Btm: 2015.02.04 @ 00:59:00

TEST COMMENT: 40 - IF - Surface blow started w with a weak blow then died off in 7 mins. Flushed tool before shut in.
 10 - ISI - No Return
 20- FF - No Surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.63	127.38	Initial Hydro-static
1	149.74	126.63	Open To Flow (1)
41	154.70	127.95	Shut-In(1)
52	503.08	128.17	End Shut-In(1)
52	149.45	127.99	Open To Flow (2)
59	147.02	128.34	Shut-In(2)
60	2059.11	129.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
257.00	Mud - 100M	1.26

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC.

19-1S-37W

2020 N. Bramblewood
Wichita Ks, 67206

Owens - Trust #2-19

Job Ticket: 61088

DST#: 1

ATTN: Pete Vollmer

Test Start: 2015.02.03 @ 22:01:00

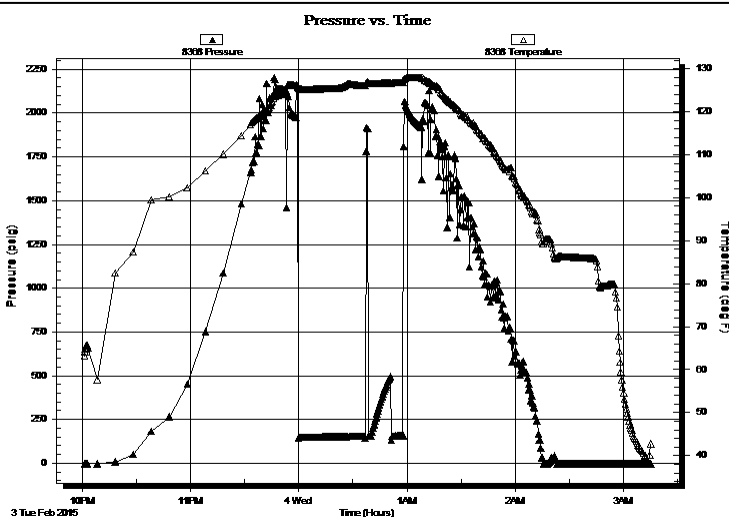
GENERAL INFORMATION:

Formation: **KCL - 'B'**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 23:59:45
 Tester: Royal Fisher
 Time Test Ended: 03:15:45
 Unit No: #54
 Interval: **4214.00 ft (KB) To 4274.00 ft (KB) (TVD)**
 Reference Elevations: 3236.00 ft (KB)
 Total Depth: 4274.00 ft (KB) (TVD)
 3223.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 13.00 ft

Serial #: 8368

Press @ Run Depth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.02.03 End Date: 2015.02.04 Last Calib.: 2015.02.04
 Start Time: 22:01:05 End Time: 03:15:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: 40 - IF - Surface blow started w with a weak blow then died off in 7 mins. Flushed tool before shut in.
 10 - ISI - No Return
 20 - FF - No Surface blow



PRESSURE SUMMARY

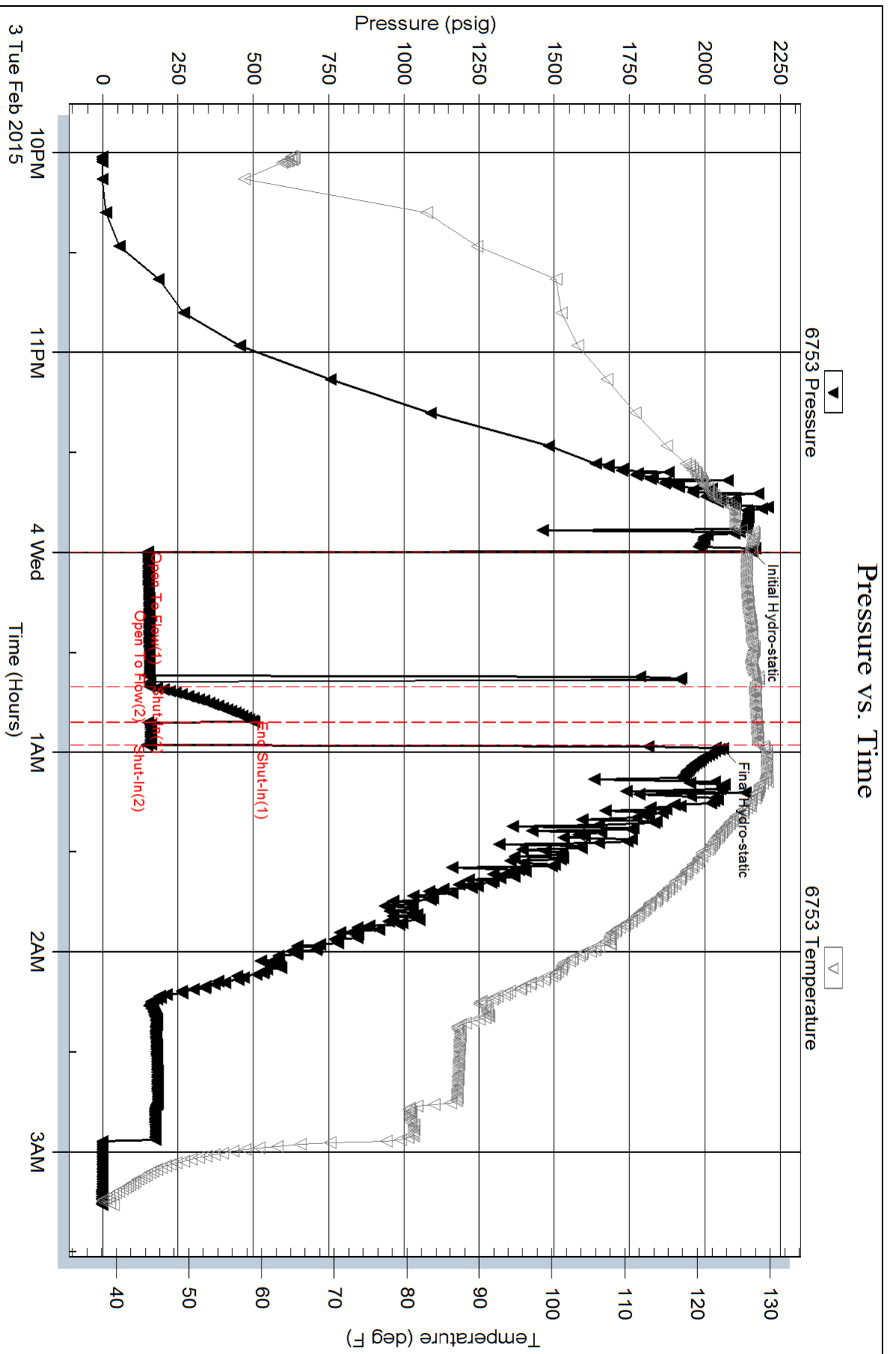
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

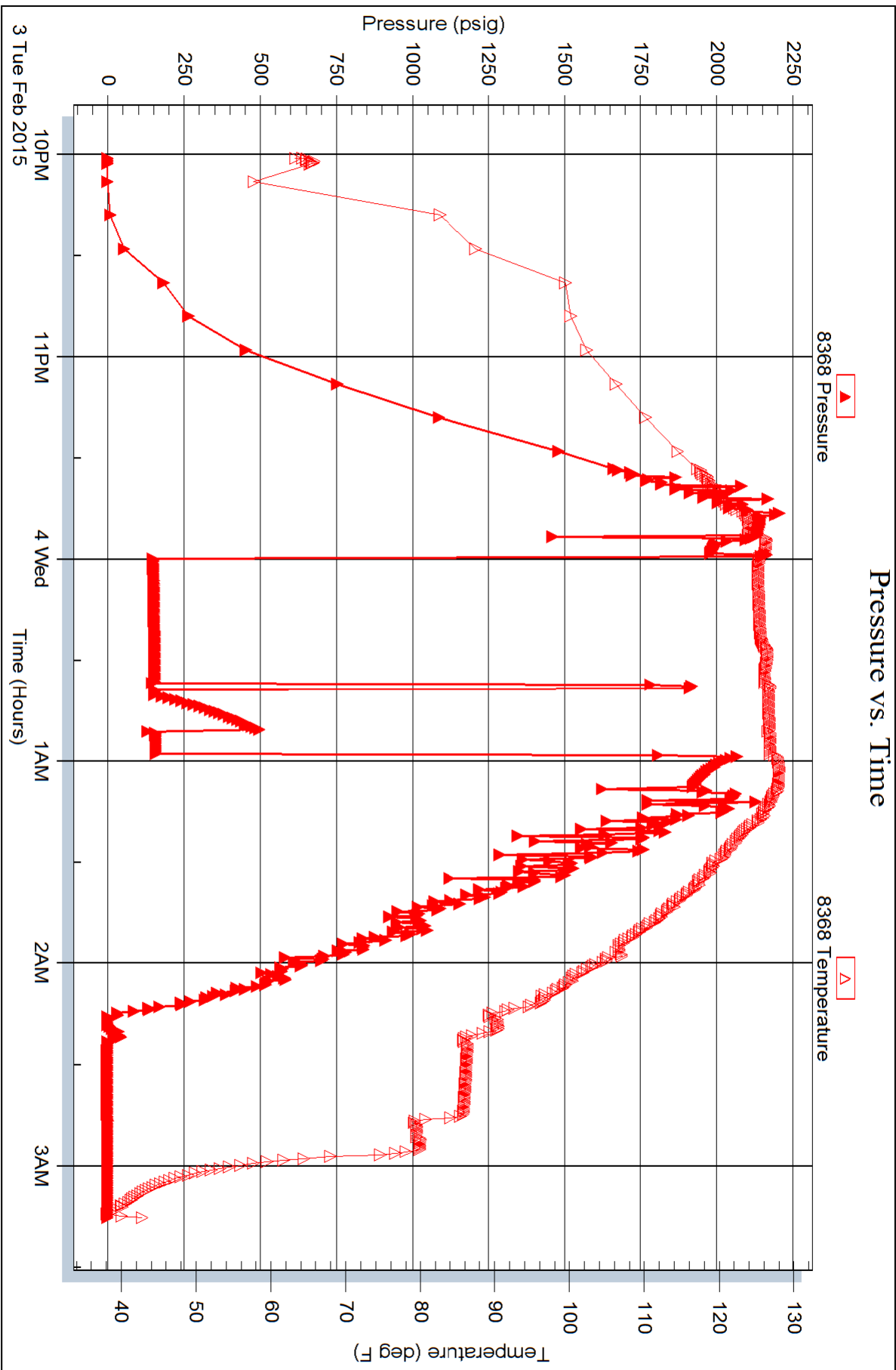
Recovery

Length (ft)	Description	Volume (bbl)
257.00	Mud - 100M	1.26

Gas Rates

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







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC.
 2020 N. Bramblewood
 Wichita Ks, 67206
 ATTN: Pete Vollmer

19-1S-37W
Owens - Trust #2-19
 Job Ticket: 61089 **DST#: 2**
 Test Start: 2015.02.04 @ 09:59:00

GENERAL INFORMATION:

Formation: **KCL - 'B'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:20:45
 Time Test Ended: 18:31:45
 Interval: **4214.00 ft (KB) To 4276.00 ft (KB) (TVD)**
 Total Depth: 4276.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: #54
 Reference Elevations: 3236.00 ft (KB)
 3223.00 ft (CF)
 KB to GR/CF: 13.00 ft

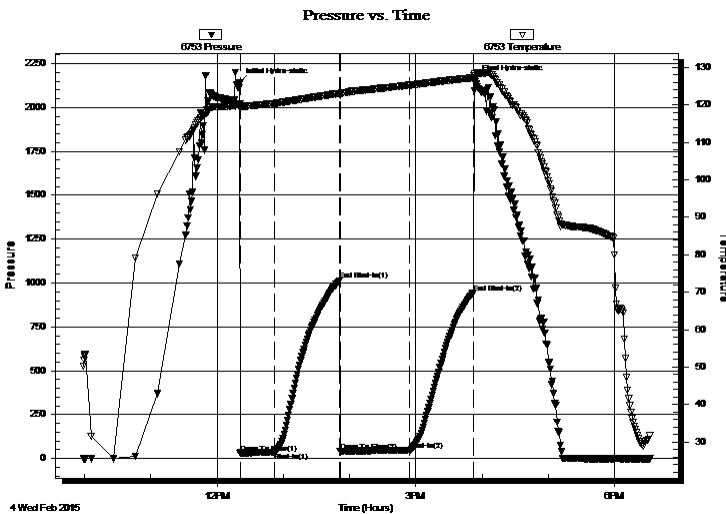
Serial #: 6753

Outside

Press @ Run Depth: 46.17 psig @ 4215.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.02.04 End Date: 2015.02.04 Last Calib.: 2015.02.04
 Start Time: 09:59:05 End Time: 18:31:45 Time On Btm: 2015.02.04 @ 12:20:30
 Time Off Btm: 2015.02.04 @ 15:53:30

TEST COMMENT: 30 - IF - Surface blow built up to 1 1/2"
 60 - ISI - No Return
 60 - FF - No Surface blow
 60 - FSI - No Return

PRESSURE SUMMARY



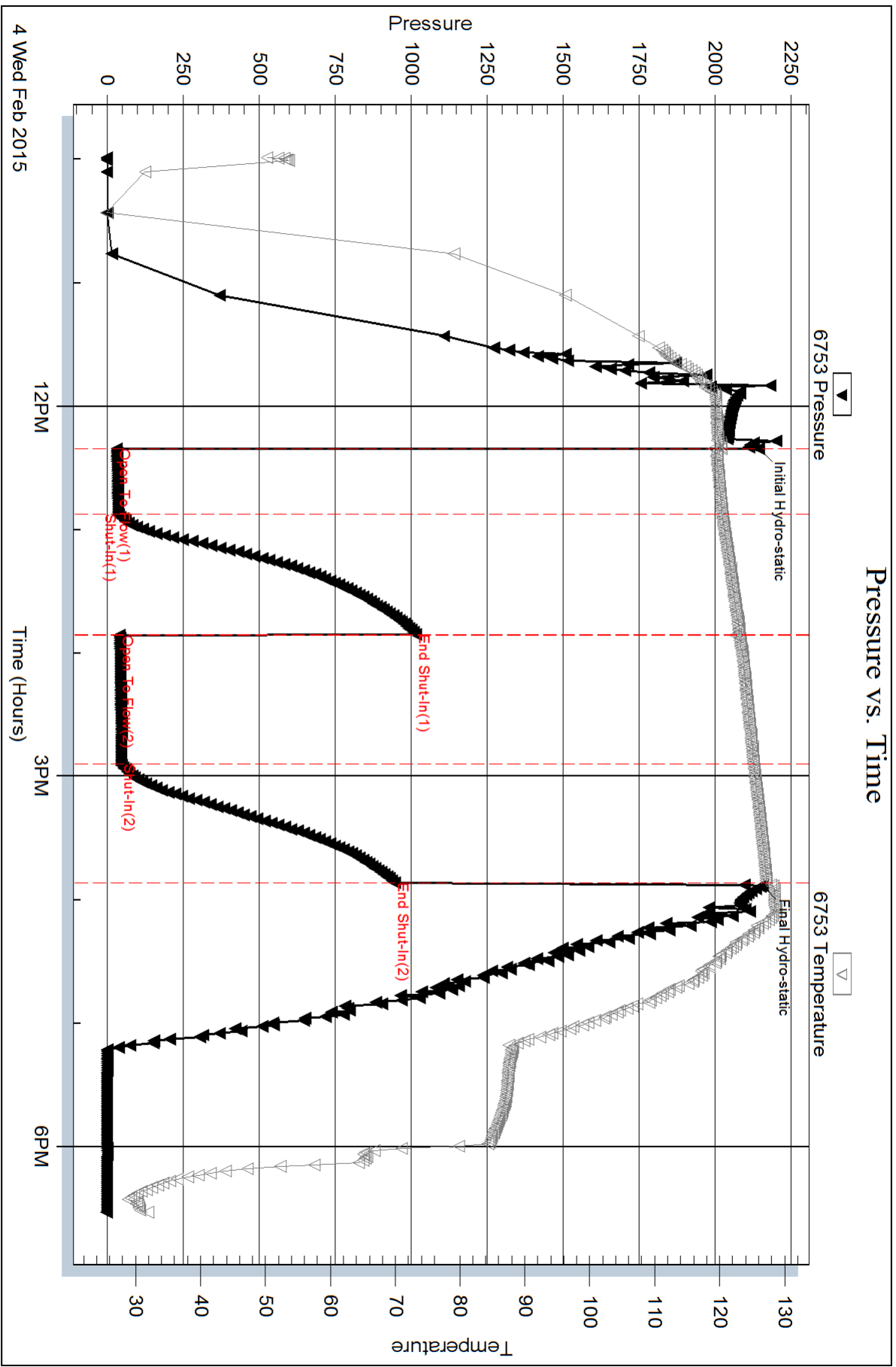
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.63	120.22	Initial Hydro-static
1	30.89	119.04	Open To Flow (1)
32	36.33	120.37	Shut-In(1)
91	1015.05	123.00	End Shut-In(1)
91	39.71	122.37	Open To Flow (2)
154	46.17	125.21	Shut-In(2)
212	945.29	127.19	End Shut-In(2)
213	2157.20	128.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OSM - 100M - Oil Spots	0.10

Gas Rates

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



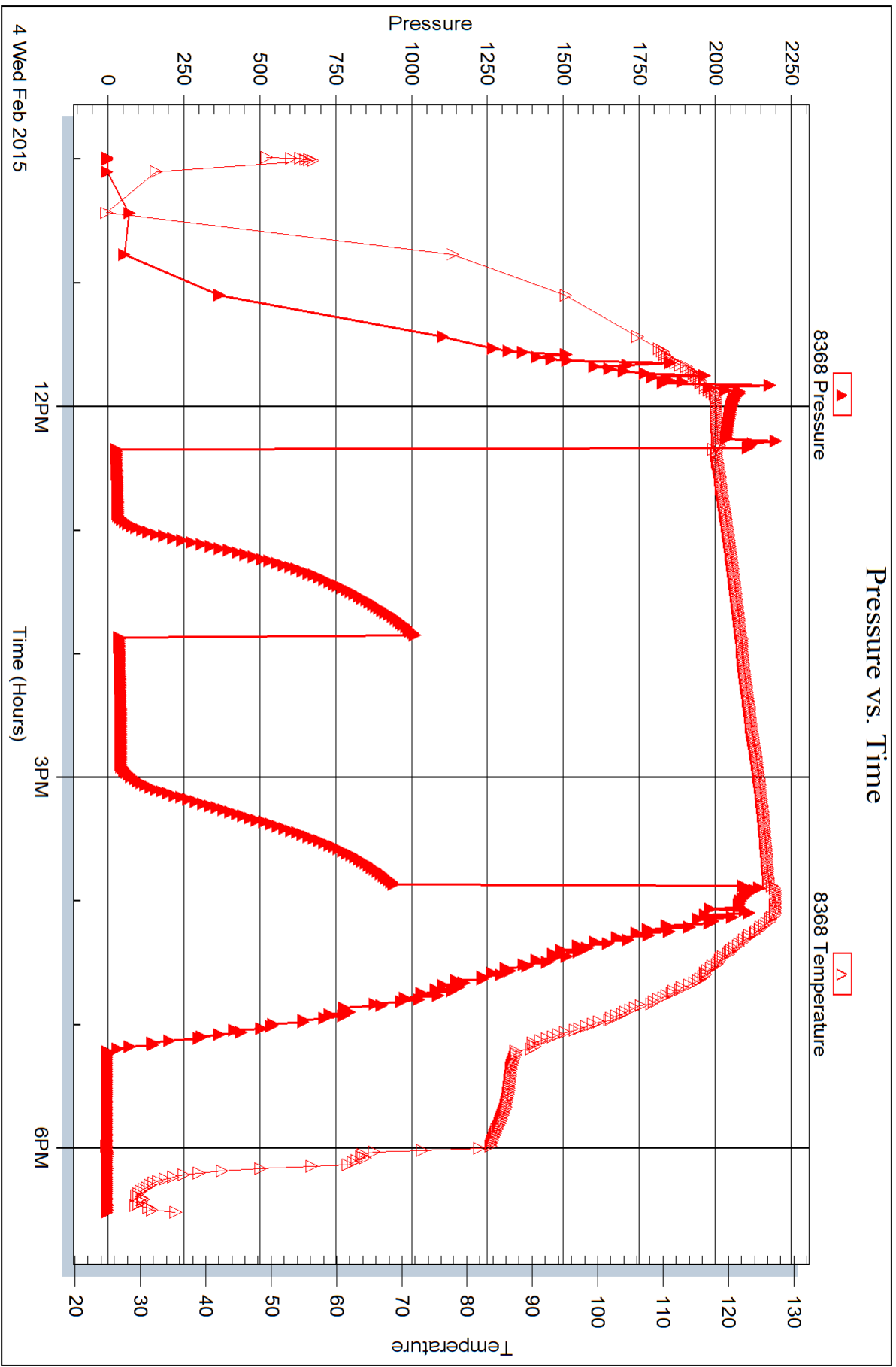
Serial #: 8368

Inside

Berexco LLC.

Owens - Trust#2-19

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC.
 2020 N. Bramblewood
 Wichita Ks, 67206
 ATTN: Pete Vollmer

19-1S-37W
Owens - Trust #2-19
 Job Ticket: 61090 **DST#: 3**
 Test Start: 2015.02.05 @ 11:58:00

GENERAL INFORMATION:

Formation: **KCL - 'E'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:48:45
 Time Test Ended: 19:53:45
 Interval: **4362.00 ft (KB) To 4420.00 ft (KB) (TVD)**
 Total Depth: 4420.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: #54
 Reference Elevations: 3236.00 ft (KB)
 3223.00 ft (CF)
 KB to GR/CF: 13.00 ft

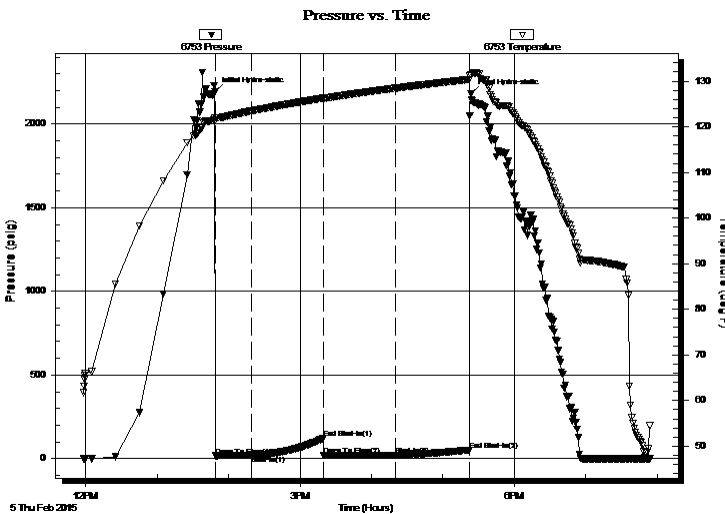
Serial #: 6753

Outside

Press @ Run Depth: 20.72 psig @ 4363.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.02.05 End Date: 2015.02.05 Last Calib.: 2015.02.05
 Start Time: 11:58:05 End Time: 19:53:44 Time On Btm: 2015.02.05 @ 13:48:30
 Time Off Btm: 2015.02.05 @ 17:23:30

TEST COMMENT: 30 - IF - Started with weak surface blow then died in 20 min.
 60 - ISI - No Return
 60 - FF - No Surface blow
 60 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.40	122.01	Initial Hydro-static
1	16.73	121.33	Open To Flow (1)
31	18.30	123.43	Shut-In(1)
91	120.23	126.25	End Shut-In(1)
91	18.96	126.19	Open To Flow (2)
152	20.72	128.45	Shut-In(2)
214	51.35	130.36	End Shut-In(2)
215	2183.44	131.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

19-1S-37W

2020 N. Bramblewood
Wichita Ks, 67206

Owens - Trust #2-19

Job Ticket: 61090

DST#: 3

ATTN: Pete Vollmer

Test Start: 2015.02.05 @ 11:58:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 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
5.00	Mud - 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

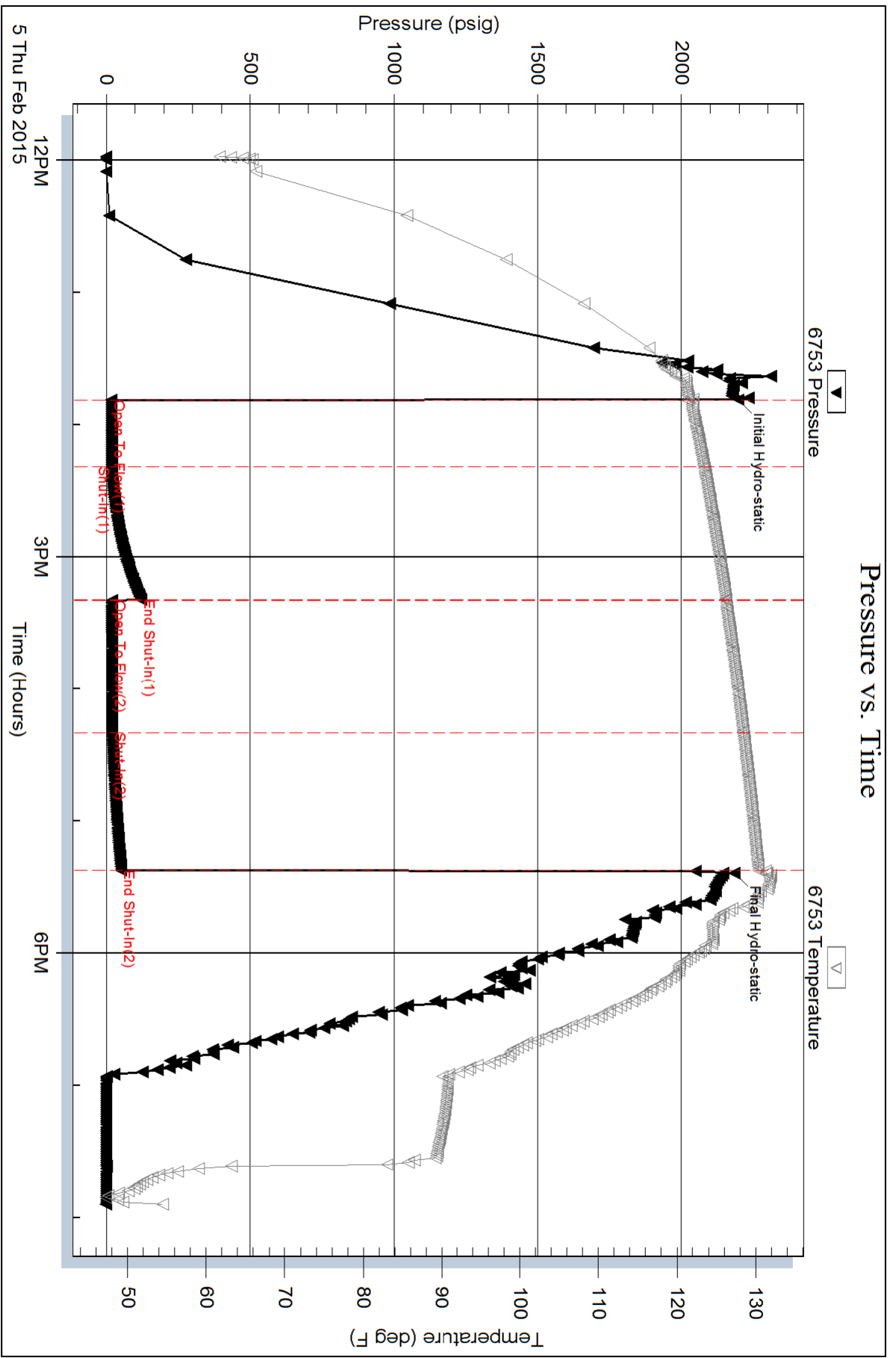
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC.
2020 N. Bramblewood
Wichita Ks, 67206
ATTN: Pete Vollmer

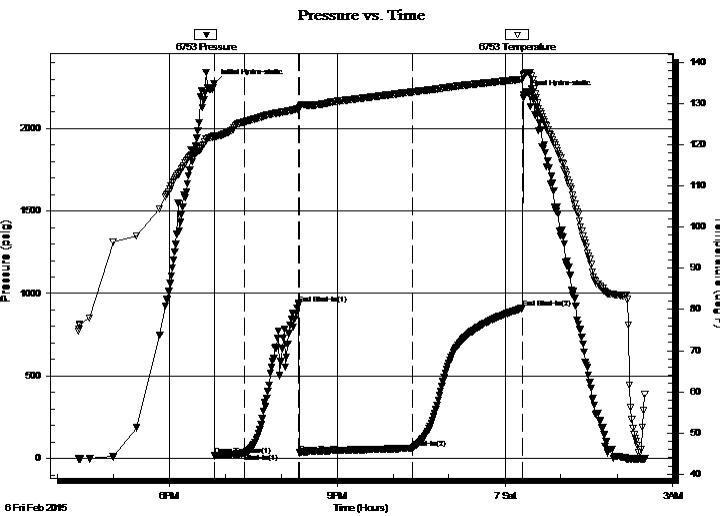
19-1S-37W
Owens - Trust #2-19
Job Ticket: 61091 **DST#: 4**
Test Start: 2015.02.06 @ 16:23:00

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:48:30
Time Test Ended: 02:29:45
Interval: **4566.00 ft (KB) To 4618.00 ft (KB) (TVD)**
Total Depth: 4618.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #54
Reference Elevations: 3236.00 ft (KB)
3223.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6753 Outside
Press @ Run Depth: 62.02 psig @ 4567.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.02.06 End Date: 2015.02.07 Last Calib.: 2015.02.07
Start Time: 16:23:05 End Time: 02:29:45 Time On Btm: 2015.02.06 @ 18:48:15
Time Off Btm: 2015.02.07 @ 00:20:15

TEST COMMENT: 30 - IF - Surface blow built up to 2"
60 - ISI - No Return
120 - FF - Surface blow started right away and built up to 8 1/2"
120 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2270.54	122.23	Initial Hydro-static
1	17.43	121.59	Open To Flow (1)
33	30.51	125.51	Shut-In(1)
91	939.06	128.66	End Shut-In(1)
92	33.62	128.79	Open To Flow (2)
213	62.02	132.80	Shut-In(2)
331	910.97	135.88	End Shut-In(2)
332	2207.30	137.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	OCM - 60M - 40o	0.47

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

19-1S-37W

2020 N. Bramblewood
Wichita Ks, 67206

Owens - Trust #2-19

Job Ticket: 61091

DST#: 4

ATTN: Pete Vollmer

Test Start: 2015.02.06 @ 16:23:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 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
95.00	OCM - 60M - 40o	0.467

Total Length: 95.00 ft Total Volume: 0.467 bbl

Num Fluid Samples: 0

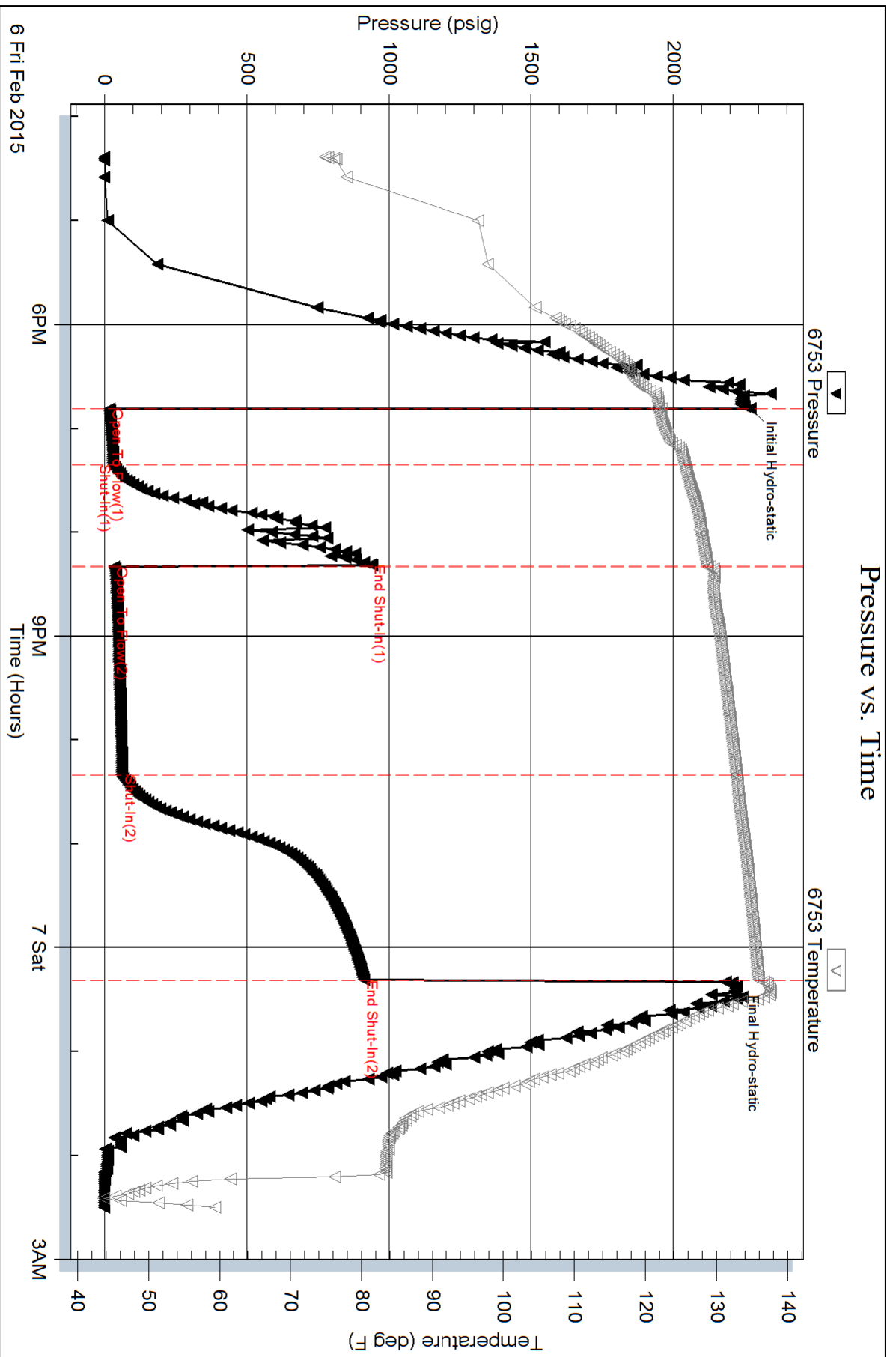
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



BEREXCO LLC

OWENS TRUST 2-19

E/2 W/2 SW NW SEC 19 T1S R37W

CHEYENNE COUNTY, KANSAS

SUMMARY	1
WELL DATA	2
FORMATION TOPS	3
LITHOLOGY & SHOWS	4
SERVICES	11
DRILL STEM TESTS	12
MUD REPORTS	20

SUMMARY

The Berexco LLC Owens Trust 2-19 in Cheyenne County, Kansas spud January 30, 2015 and reached a total depth of 4750' on February 7, 2015. Wellsite geological supervision commenced at 3000'. The primary objectives of the wildcat were the Pennsylvanian Missourian Lansing-Kansas City limestones. Secondary zones of interests were the Foraker, Oread, and Pawnee limestones. The Owens Trust 2-19 was drilled using seismic and nearby well control.

On-site evaluation was by drill stem testing after sample analysis and consideration of structural position. Four DSTs were run.

Foraker, Wabaunsee, Topeka, and Oread

The Foraker was non-porous limestone with black asphaltic material. Minor oil shows in tight limestone were found in the Wabaunsee and Topeka but these did not merit drill stem testing. Oread samples were fossiliferous grainstone and mudstone with trace interparticle porosity, scattered black oil staining, and poor cuts. Based on nearby drill stem testing and structural position, these poor sample shows were not drill stem tested.

Lansing-Kansas City, Pawnee, and Cherokee

Trace dead oil and no visible porosity were observed in the Lansing-Kansas City A.

DST 1 in the B was a misrun due to the tool opening prematurely. The wellbore was drilled two feet deeper and the B interval was retested. DST 2 recovered 20 ft of oil spotted mud. Poor interparticle and vuggy porosity with spotty black oil stain were observed in cuttings.

The C was mudstone to wackestone with occasional poor shows of black oil but mostly no visible porosity. The D was mudstone to wackestone with no shows and no visible porosity. Neither warranted drill stem testing.

DST 3 in the E recovered 5 ft of mud with very poor pressures. The E limestone displayed spotty oil stain and good fluorescence and cut from oolitic grainstone and mudstone with very poor vuggy porosity.

The F was nonporous limestone with no sample shows.

DST 4 in the Pawnee recovered 95 ft of oil cut mud with poor flowing pressures from packstone and occasional grainstone. Minor porosity and shows were limited to the top few feet; the remainder of the Pawnee was nonporous mudstone with no shows.

The Fort Scott was nonporous limestone. The Cherokee displayed minor dead oil staining in part of the nonporous chalky limestone.

Plugged and Abandoned

After wireline logs the Owens Trust 2-19 was plugged and abandoned in accordance with orders from the Oil and Gas Conservation Division of the Kansas Corporation Commission.

Peter J. Vollmer
Consulting Wellsite Geologist, WPG #3369
February 2015

Berexco LLC
Owens Trust 2-19

WELL DATA

OPERATOR: Berexco LLC
2020 North Bramblewood Drive
Wichita, Kansas 67206

WELL NAME: Owens Trust 2-19

SURFACE LOCATION: 1980' FNL & 630' FWL
E/2 W/2 SW NW Sec. 19, T1S, R37W
Cheyenne County, KS

LATITUDE & LONGITUDE: 39.9541582, -101.5201305 (From State, calculated from footages)

BOTTOM HOLE LOCATION: Vertical hole

ELEVATIONS: 3223' GL 3236' KB

API NUMBER: 15-023-21419

BASIN: Mid-Continental Arch

FIELD: Wildcat

HOLE SIZE: 12 1/4" to 300'; 7 7/8" to 4750'

CASING: 8 5/8" J-55 24# STC set to 300' KB

SPUD DATE: January 30, 2015

TD DATE: February 7, 2015

TOTAL DEPTH: 4750' Rig TD 4752' Log TD

LAST FORMATION: Pennsylvanian Cherokee

WELL STATUS: Plugged and Abandoned

OPERATOR
REPRESENTATIVE: Dana Wreath - Vice President

WELLSITE GEOLOGIST: Peter J. Vollmer

FORMATION TOPS

Formation	Sample Top	Log Top	Log TVD	Log Subsea
KB				3236
Pierre Sh	Cased	Cased	N/A	N/A
Niobrara Fm	N/A	1096	1096	+2140
Fort Hays Ls Mbr	N/A	1620	1620	+1616
Carlile Sh	N/A	1677	1677	+1559
Dakota	N/A	1894	1894	+1342
Cheyenne	N/A	2583	2583	+653
Blaine	N/A	2941	2941	+295
Cedar Hills	3058	3060	3060	+176
Stone Corral Anhydrite	3188	3192	3192	+44
Base Anhydrite	3223	3227	3227	+9
Chase Limestone	3388	3390	3390	-154
Neva	3645	3650	3650	-414
Red Eagle	3708	3714	3714	-478
Foraker	3764	3769	3769	-533
Wabaunsee	3886	3885	3885	-649
Topeka	3990	3986	3986	-750
Deer Creek Lime	4062	4066	4066	-830
Oread	4119	4123	4123	-887
Heebner Sh	4148	4154	4154	-918
Lansing-Kansas City				
"A"	4196	4200	4200	-964
"B"	4260	4261	4261	-1025
"C"	4312	4314	4314	-1078
"D"	4354	4357	4357	-1121
"E"	4404	4406	4406	-1170
"F"	4445	4446	4446	-1210
Pawnee	4596	4598	4598	-1362
Ft Scott	4665	4671	4671	-1435
Cherokee	4686	4687	4687	-1451
TD Driller	4750			
TD Logger		4752	4752	-1516

LITHOLOGY AND SHOWS

The following descriptions are interpretive. Rig crew members collected unlagged samples from 3600' to 4750' TD. Depths are rig depths except where noted as wireline.

3603' - 3645'	SHALE: light reddish brown to reddish orange, firm to soft, subfissile to blocky, very silty, sandy in part, non to slightly calcareous, gummy in part.
NEVA	SAMPLE TOP: 3645' LOG TOP: 3650' SUBSEA: -414'
3645' - 3652'	LIMESTONE: white to light gray, hard, mudstone, slightly chalky, fossil fragment (Fusulinid), occasional black Algal stain, tight, no show.
3652' - 3658'	SANDSTONE: very light gray to gray, friable to firm, very fine to fine grained, sub rounded to rounded, well sorted, calcareous cement, occasional clay filled, trace black dead oil specks, trace porosity, no shows.
3658' - 3694'	SHALE: reddish brown to brownish orange, soft to firm, sub blocky to lumpy, non calcareous, occasional silty, gummy to sticky.
3694' - 3708'	SANDSTONE: reddish brown to light gray to light brown, friable, very fine grained, subrounded to sub angular, fair to well sorted, weak calcareous cement, predominant argillaceous matrix, no visible porosity, no shows.
RED EAGLE	SAMPLE TOP: 3708' LOG TOP: 3714' SUBSEA: -478'
3708' - 3721'	LIMESTONE: light gray to light grayish brown, hard, mudstone to wackestone, scattered fossil fragment, occasional black Algal material, occasional reddish brown SHALE partings, tight, no shows.
3721' - 3744'	SHALE: reddish brown, firm to hard, fissile to blocky, very silty, sandy in part, non to slightly calcareous.
3744' - 3764'	SLITY SHALE: reddish brown, soft to firm, sub blocky, non calcareous, occasional moderately to very silty, occasional very fine grained SANDSTONE stringers.

LITHOLOGY AND SHOWS

FORAKER	SAMPLE TOP: 3764'	LOG TOP: 3769'	SUBSEA: -533'
3764' - 3776'	LIMESTONE: light gray to dark gray, mottled in part, hard, packstone to grainstone, scattered fossil fragments, occasional black asphalt specks (dead oil), very tight, faint yellow green fluorescence, occasional very weak pale greenish cuts, very poor show.		
3776' - 3788'	SHALE: light gray to grain gray, firm, blocky, non to slightly calcareous, Limestone stringers.		
3788' - 3798'	LIMESTONE: white to light gray, firm to hard, mudstone to wackestone, very slightly chalky, fossil fragment, light tan chert, algal stain, dead oil, tight, no shows.		
3798' - 3812'	SANDSTONE: very light gray to white, friable, very fine grained, subangular to subrounded, well sorted, calcareous cement, clay fill, black dead oil material, tight to trace porosity, no shows.		
3812' - 3826'	SHALE: reddish brown to light gray, mottled in part, soft to firm, sub blocky, non calcareous.		
3826' - 3834'	SHALE: dark gray to gray, firm, platy to fissile, non to slightly calcareous, occasional slightly carbonaceous, disseminated pyrite.		
3834' - 3886'	SHALE: reddish brown to light gray to light brownish orange, mottled, soft to firm, sub blocky, non calcareous, occasional silty, gummy to clayey, occasional white chalky Limestone stringers.		
WABAUNSEE	SAMPLE TOP: 3886'	LOG TOP: 3885'	SUBSEA: -649'
3886' - 3916'	LIMESTONE: white to light gray, with occasional light reddish brown mottled, soft to hard, mudstone to wackestone, occasional chalky texture, reddish brown SHALE interbeds, occasional fossil fragments, trace black heavy oil material (dead oil), no visible porosity, no fluorescence, residue slow pale greenish white cut.		
3916' - 3926'	LIMESTONE: white to light gray, occasional reddish brown mottled, firm to hard, mudstone, reddish brown Shale stringers, occasional black pellets, tight, no show.		
3926' - 3950'	SHALE: reddish brown to very light gray, occasional mottled, soft to firm, sub blocky, non calcareous, gummy to sticky, Limestone stringers.		
3950' - 3990'	SHALE: reddish brown, soft to firm, sub blocky, non calcareous, occasional silty to sandy, occasional light gray chalky Limestone stringers, gummy to sticky.		

LITHOLOGY AND SHOWS

TOPEKA	SAMPLE TOP: 3990'	LOG TOP: 3986'	SUBSEA: -750'
3990' - 4004'	LIMESTONE: white to light gray, hard to firm, grainstone to wackestone, peloids, fossil fragments, spotty black heavy asphaltic material, no visible porosity, pale yellowish white fluorescence, very slow diffuse pale yellowish white cut, very poor show.		
4004' - 4018'	SHALE: gray to dark gray, firm, platy to fissile, fossil (Brachiopod), non to slightly calcareous, dull, pyrite.		
4018' - 4030'	LIMESTONE: light gray to white, hard to firm, wackestone to packstone, fossil fragments, abundant light tan to opaque chert, occasional dark gray SHALE stringers, tight, no shows.		
4030' - 4062'	SHALE: reddish brown to light gray to lavender, variegated, soft to firm, subblocky, noncalcareous, occasional silty, clayey, occasional white Limestone stringers.		
DEER CREEK LIME	SAMPLE TOP: 4062'	LOG TOP: 4066'	SUBSEA: -830'
4062' - 4072'	LIMESTONE: white to light brown, hard to firm, mudstone, chalky, fossil fragment (Fusulinids), reddish brown Shale partings, rare black asphaltic stain, tight, no show.		
4072' - 4119'	SHALE: reddish brown, brownish maroon, grayish green, mottled in part firm, sub fissile to blocky, occasional slightly calcareous, very slightly silty in part, occasional thin SANDSTONE stringers, occasional clayey to sticky, occasional LIMESTONE: light gray to light brown, reddish brown mottled, hard, mudstone, tight, no shows.		
OREAD	SAMPLE TOP: 4119'	LOG TOP: 4123'	SUBSEA: -887'
4119' - 4130'	LIMESTONE: cream to white, firm to hard, mudstone to grainstone, fossil fragment (Brachiopod, Fusulinid), occasional oolites, scattered black heavy oil stain, predominant tight to trace interparticle porosity, locally patchy bright yellowish white fluorescence, immediate blooming yellowish white cuts, with slow streaming yellowish white cuts, fair show with no porosity.		
4130' - 4148'	LIMESTONE: gray to white to light gray, firm to hard, mudstone, slightly chalky, occasional fossil, tight, no show.		

LITHOLOGY AND SHOWS

HEEBNER SH	SAMPLE TOP: 4148'	LOG TOP: 4154'	SUBSEA: -918'
4148' - 4152'	SHALE: dark gray to black, firm, fissile, slightly carbonaceous in part, non to slightly calcareous, pyrite.		
4152' - 4160'	LIMESTONE: gray to light gray, firm to hard, mudstone, slightly chalky, tight, no show.		
4160' - 4196'	SHALE: gray to light reddish brown to maroon, mottled, firm, blocky, non to slightly calcareous, occasional silty.		
LANSING-- KANSAS CITY "A"	SAMPLE TOP: 4196'	LOG TOP: 4200'	SUBSEA: -964'
4196' - 4206'	LIMESTONE: white to light gray, hard, mudstone, fossil fragments, chalky, few specks black asphalt material (dead oil), no visible porosity, no show.		
4206' - 4220'	LIMESTONE: gray to light gray, hard, mudstone, stylolite, chalky, tight, no show.		
4220' - 4230'	SHALE: gray to light gray, firm, sub blocky to fissile, non to slightly calcareous, fossil fragments, occasional pyrite, Limestone stringers.		
4230' - 4234'	SANDSTONE: white to light gray to gray, firm to friable, very fine grained, well rounded, well sorted, calcareous cement, clay filled, abundant black dead oil specks, no visible porosity, no show.		
4234' - 4260'	SHALE: reddish brown, firm to soft, blocky, non to slightly calcareous, occasional silty, occasional gummy to sticky, Limestone stringers.		
LANSING-- KANSAS CITY "B"	SAMPLE TOP: 4260'	LOG TOP: 4261'	SUBSEA: -1025'
4260' - 4272'	LIMESTONE: white to very light gray, firm to hard, grainstone to wackestone, occasional fossil fragments, rare ooliths, occasional free live heavy dark brown to black oil, occasional black asphalt material in chalky Limestone, fair intergranular porosity and fair vugular porosity, bright yellowish white fluorescence, instant blooming bright yellowish white cuts, good show.		
4272' - 4280'	SHALE: gray to dark gray, firm to hard, blocky to fissile, calcareous, disseminated pyrite.		
4280' - 4290'	LIMESTONE: white to very light gray, hard, mudstone, occasional fossil, dark gray Shale partings, tight, no show.		

LITHOLOGY AND SHOWS

4290' - 4298'	SILTSTONE: light brown to reddish brown, friable to soft, argillaceous matrix, slightly calcareous.
4298' - 4312'	SHALE: dark reddish brown to gray, mottled in part, soft to firm, blocky, non calcareous, pyrite.
LANSING- KANSAS CITY "C"	SAMPLE TOP: 4312' LOG TOP: 4314' SUBSEA: -1078'
4312' - 4330'	LIMESTONE: light gray to white, firm, mudstone to wackestone, occasional fossil fragments, predominant chalky texture, occasional patchy heavy black oil, predominately no visible porosity, occasional micro vugs with black oil, trace bright yellowish white fluorescence, instant yellowish white diffuse cuts, with slow streaming cuts, poor show, no show at base.
4330' - 4354'	SHALE: gray to light gray, firm, sub blocky, non to moderately calcareous, clayey, fossil fragments (Brachiopod), occasional Limestone stringer.
LANSING- KANSAS CITY "D"	SAMPLE TOP: 4354' LOG TOP: 4357' SUBSEA: -1121'
4354' - 4372'	LIMESTONE: cream to white, firm, mudstone to wackestone, fossil fragments, chalky texture, no visible porosity, no shows.
4372' - 4386'	SILTSTONE: light reddish brown, friable to soft, argillaceous matrix, slightly calcareous, grading to Silty SHALE.
4386' - 4404'	SHALE: reddish brown, soft to firm, subblocky, non to slightly calcareous, clayey, occasional Siltstone and LIMESTONE stringers.
LANSING- KANSAS CITY "E"	SAMPLE TOP: 4404' LOG TOP: 4406' SUBSEA: -1170'
4404' - 4416'	LIMESTONE: white to light gray, firm to soft, mudstone to grainstone, peloids, fossil fragments, occasional patchy black oil stain, predominant tight, trace vuggy porosity with live oil, bright yellowish white fluorescence, immediate blooming yellowish white cuts, poor show, no show at base.

LITHOLOGY AND SHOWS

4416' - 4428' SHALE: dark gray to gray to black, firm, blocky, calcareous, very to slightly carbonaceous in part, trace pyrite. SHALE: dark reddish brown.

4428' - 4438' SILTSTONE: maroon to light reddish brown, friable, grading to very fine grained sand, clay fill, tight, no show.

4438' - 4445' SHALE: dark reddish brown to maroon, firm, blocky, non calcareous, moderately to very silty.

LANSING- KANSAS CITY "F"

SAMPLE TOP: 4445' LOG TOP: 4446' SUBSEA: -1210'

4445' - 4456' LIMESTONE: white to light gray, firm to hard, mudstone, very chalky texture, occasional fossil fragment, occasional sandy, clean, no visible porosity, no shows.

4456' - 4478' SHALE: gray to dark gray to black to reddish brown, firm, platy, non to slightly calcareous, occasional slightly carbonaceous, trace pyrite.

4478' - 4492' SHALE: brownish red to gray, firm, blocky, non calcareous, with interbedded white Limestone stringer.

4492' - 4506' SHALE: brownish red, firm, blocky, non calcareous.

4506' - 4524' LIMESTONE: white to cream, with reddish brown mottled, mudstone, fossiliferous, chalky, occasional reddish brown SHALE partings, tight, no shows.

4524' - 4538' SHALE: light brownish red, firm, blocky, non calcareous, with interbedded white Limestone stringers.

4538' - 4560' LIMESTONE: white to cream to light gray, occasional reddish mottled and stain, mudstone, sandy, chalky, occasional reddish brown SHALE partings, tight, no shows.

4560' - 4580' LIMESTONE: light gray to white to cream, hard, mudstone, slightly argillaceous, fossil fragment, light gray Shale partings, tight, no shows.

4580' - 4596' SHALE: dark gray to light gray, soft to firm, sub blocky, non to slightly calcareous, argillaceous Limestone stringers.

PAWNEE

SAMPLE TOP: 4596' LOG TOP: 4598' SUBSEA: -1362'

4596' - 4600' LIMESTONE: white to cream to very light gray, firm to hard, grainstone to mudstone, grainy texture, fossil fragments, trace black oil stain, trace pin to point

LITHOLOGY AND SHOWS

vuggy porosity, bright yellowish white fluorescence, instant blooming yellowish white cuts, fair show from a few cuttings.

4600' - 4622'

LIMESTONE: white to light gray to gray, firm to hard, mudstone to wackestone, slightly chalky, fossil fragment, tight, no shows.

4622' - 4633'

SHALE: gray to dark gray to black, hard to firm, sub blocky to fissile, non calcareous, fossil fragments (Brachiopod), carbonaceous in part, argillaceous bluish gray Limestone stringers.

4633' - 4656'

LIMESTONE: light gray to gray, firm to hard, mudstone, occasional fossil fragment, very slightly chalky, clean, no visible porosity, no shows.

4656' - 4665'

SHALE: gray to dark gray, firm, blocky to fissile, occasional carbonaceous at top, disseminated pyrite, occasional coal.

FORT SCOTT

SAMPLE TOP: 4665' LOG TOP: 4671' SUBSEA: -1435'

4665' - 4686'

LIMESTONE: white to light gray to cream, firm to hard, mudstone to wackestone, slightly to moderately chalky, fossil fragments, occasional very sandy, tight, no shows.

CHEROKEE

SAMPLE TOP: 4686' LOG TOP: 4687' SUBSEA: -1451'

4686' - 4696'

SHALE: black to dark gray to gray, firm, blocky to fissile, occasional carbonaceous, trace pyrite, plant remains, thin black slightly argillaceous Coal stringers.

4696' - 4720'

LIMESTONE: white to light gray, firm to hard, mudstone to wackestone, occasional fossil fragments (Brachiopod), slightly sandy in part, opaque chert, tight, no shows.

4720' - 4750' TD

SHALE: gray to very dark gray, firm, platy, non to slightly calcareous, occasional slightly carbonaceous, pyrite, occasional LIMESTONE: white to very light gray, hard, mudstone, dead oil, tight, no show.

SERVICES

CONTRACTOR:	Beredco Drilling Inc., Rig 2	
Toolpusher:	Milo Salinas	
DRILLING FLUIDS:	Morgan Mud, Inc.	McCook, NE
Mud Type:	Freshwater Chemical	308-340-5946
Engineer:	Dave Korte	
MUD LOGGING:	None	
WELLSITE GEOLOGY:	T. M. McCoy & Co., Inc.	Wilson, WY
	Peter J. Vollmer	307-733-4332
DRILL STEM TESTING:	Trilobite Testing, Inc.	Hays, KS
	Royal Fisher	785- 625-4778
	DST 1: 4214' - 4274' LKC "B" Misrun	
	DST 2: 4214' - 4276' LKC "B"	
	DST 3: 4362' - 4420' LKC "E"	
	DST 4: 4566' - 4618' Pawnee	
DIRECTIONAL DRILLING:	None	
WIRELINE LOGS:	Pioneer Energy Services	Hays, KS
	RAG: Surface casing - TD	785-625-3858
	Micro-resistivity, Sonic: 3500' - TD	
	J. Henrickson	

WEI.L FILE

ALLIED OIL & GAS SERVICES, LLC

21930
063832

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Dakley B

DATE <i>7/8/15</i>	SEC. <i>19</i>	TWP. <i>1</i>	RANGE <i>37</i>	CALLED OUT	ON LOCATION	JOB START <i>9:00</i>	JOB FINISH <i>10:00</i>
LEASE <i>Quercus tract</i>	WELL # <i>2-9</i>	LOCATION <i>Bunkle 5th Still W 2E</i>			COUNTY <i>Wichita</i>	STATE <i>Ky</i>	
OLD OR NEW (Circle one)		<i>35 W05-W05-W 30A</i>					

CONTRACTOR *Bingled J*
 TYPE OF JOB *PTA*
 HOLE SIZE *7 7/8* T.D. *4250*
 CASING SIZE *8 5/8* DEPTH *240*
 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 68/40 40 1400*

EQUIPMENT
 PUMP TRUCK CEMENTER *Alan Ryan*
 # *105-281* HELPER *Kevin Ryan*
 BULK TRUCK DRIVER *Dan Racette*
 # *373*
 BULK TRUCK DRIVER
 #

COMMON *255* @ *18.92* *4824.00*
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @

Flu Seal 6.916 @ *2.72* *190.08*

Material Total @ *5000.00*
(2000.00/40%)

HANDLING *273.89* @ *2.18* *679.25*
 MILEAGE *75* @ *11.04* *828.00*
 TOTAL

REMARKS:

50 SK @ 2300'
100 SK @ 2400'
50 SK @ 360'
10 SK @ 40'
30 SK @ 37'
15 SK - M P

D. J. ...
Alan, Kevin, Dan

CHARGE TO: *Bureau*
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB
 PUMP TRUCK CHARGE *2600.47*
 EXTRA FOOTAGE @
 MILEAGE *50* @ *70* *3500*
 MANIFOLD @

(207308/40%) TOTAL *5,182.72*

PLUG & FLOAT EQUIPMENT

2x wooden plug @ *110.00*

(44.00/40%) TOTAL *110.00*

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 *Mylo Salinas*
 SIGNATURE *Mylo Salinas*

SALES TAX (If Any)
 TOTAL CHARGES *10,307.40*
 DISCOUNT *4,122.96 (40%)* IF PAID IN 30 DAYS
6184.44 Net



CEMENTING LOG

STAGE NO. _____

Date 2/8/11 District Rocky Ticket No. 265832
 Company Energy Rig 2-9
 Lease Quinn T. West Well No. 2-9
 County Cherokee State Ky
 Location _____ Field _____

CEMENT DATA:

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

LEAD: Pump Time _____ hrs. Type 60/40 400 gal
 Excess _____

Amt. 285 Sks Yield 1.41 ft³/sk Density 13.85 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

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

Pump Trucks Used 495-L-81
 Bulk Equip. 323

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type H₂O Amt. _____ Bbls. Weight _____ PPG

Mud Type Ag Mud Weight _____ PPG

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

Casing Depths: Top _____ Bottom _____

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

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.037 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 0.1422 Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE _____

CEMENTER MA

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
				10.0	5.0	Relocation 50% mix Seal off
				8'1/4	3.0	mix 50 SK - 100' - 100' - 100'
				10'1/2	3.0	mix 100 SK @
				8'1/4	3.0	mix 50 SK @
				8.0	3.0	mix 10 SK @ 40' @
				5.0	1.0	30 SK @ H
				2'1/2	3.0	15 SK @ H