



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
- 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

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 and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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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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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 26, 2011

Leon Rodak
Murfin Drilling Co., Inc.
250 N WATER STE 300
WICHITA, KS 67202-1216

Re: ACO1
API 15-039-21135-00-00
Maywen Unit 1-18
SW/4 Sec.18-02S-29W
Decatur 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,
Leon Rodak

MDCI Maywen Unit #1-18 1420' FSL 600' FWL Sec. 18-T2S-R29W 2815' KB							MDCI May #1-18 2200 FSL 2100 FWL Sec. 18-T2S-R29W 2795' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	2567	+248	Flat	2564	+251	+3	2547	+248
B/Anhydrite	2598	+217	+2	2595	+220	+5	2580	+215
Neva	3228	-413	+3	3227	-412	+4	3211	-416
Red Eagle	3305	-490	-2	3298	-483	+5	3283	-488
Foraker	3345	-530	+3	3343	-528	+5	3328	-533
Topeka	3619	-804	+2	3614	-799	+7	3601	-806
Heebner	3777	-962	+1	3774	-959	+4	3758	-963
Lansing	3821	-1006	+1	3822	-1007	Flat	3802	-1007
Lansing D	3853	-1038	Flat	3853	-1038	Flat	3833	-1038
Lansing G	3902	-1087	Flat	3902	-1087	Flat	3882	-1087
Lansing H				3937	-1122	-5	3912	-1117
Lansing J	3970	-1155	Flat	3972	-1157	-2	3950	-1155
Stark				3986	-1171	Flat	3966	-1171
Lansing K				4000	-1185	Flat	3980	-1185
Lansing L				4022	-1207	+1	4003	-1208
Pawnee							4098	-1303
L Pawnee							4124	-1329
Arbuckle							4351	-1556
Reagan							4472	-1677
Granite Wash							4492	-1697
Granite							NDE	NDE
RTD	4060						4524	
LTD				4059			4527	

API # 15-039-21135

GEOLOGICAL REPORT

DRILLING TIME & SAMPLE LOG

REPORT PREPARED BY KENT OBERLIER/VED/0087

COMPANY **MURFIN DRUG CO.**
LEASE **MAYWEN UNIT #1-1B**

FIELD _____
LOCATION **1420' FSL & 600' FWL**

SEC **1B** TWP **2S** RGE **29W**
COUNTY **DECATUR** STATE **KANSAS**

CONTRACTOR **MURFIN RIG #3**
SPUD **07/14/11** COMP **07/22/11**

SAMPLES SAVED FROM **3100** TO **TD**
REPORT PREPARED BY **KENT OBERLIER/VED/0087**

FORMATION SAMPLE E LOG DATUM

ANHYDRITE 2567+248 2564+251
BASE ANHY 2598+217 2594+221
NEVA LS 3228-413 3227-412
RED EAGLE 3305-490 3299-483
FORAKER 3348-533 3343-528
TOPEKA 3619-804 3615-800
HEEBNER SH 3777-962 3774-958
LANSING 3821-1006 3822-1007
STARK SH 3985-1170 3985-1178

ELEVATION **K.B. 2815**
D.F. _____
G.L. **2810**
DEPTH MEASURED FROM KB **4095** D-11/4090

Surface **2808.8 5/8"**
Production **KNOWITZ 14**
Electric Log **CNL/SCD BHCS**
DIL/MEL

A GR B. also C. also

REFERENCE HILLS

TD **4060** **4059**

DRILLING TIME (MINUTES/FOOT)	DEPTH (FEET)	FORMATION	DESCRIPTION	REMARKS
	2500			
	2550			
	2567	ANHYDRITE	2567+248	+248
	2598	BASE ANHY	2598+217	+217
	2600			
	3100	LS-GRAY-GREEN	POOR POROSITY NS	
		SH-RED	SOFT MUSHY	
		DOLO-W/RED SHALE	W/WHITE LS NODULARS MAIN BODY LOOKS SANDY	VIS 54 WT 8.6
		SH-RED	SOFT	
	3150	DOLO-LT GRAY	LMY FN TO MED CXTLN P-NO POROSITY NS	
		SH-RED	SOFT MUSHY SLTY SANDY APP WHICH MAY BE DOLO CXTLS	
		DOLO-SANDY TAN	P-POR NS	VIS 53 WT 8.6
		SH-RED	SOFT	
	3200			
		NEVA	3228 -413	
		LS-CREAM W/LS	NODULARS AND FOSS INCLUSIONS SOME WHITE CHALK NS POOR POROSITY	VIS 53 WT 8.6
		LS-DARK AND LITE GRAY	W/SOME INCLUSIONS SOME SAND GRAINS NS POOR-NO POROSITY ALSO CHALKY	
		AS ABOVE	W/CREAM CHERT NS & VERY CARB SH OR NEAR COAL LOOK LIKE DEAD OIL FLAKEY AND BRITTLE ?	
		SH-SOFT RED	MUSHY SLTY SANDY W/SMALL WHITE LS INCLUSIONS SOME CHALKY	VIS 55 WT 8.2 1LB LCM
	3300			
		RED EAGLE	3305 -490	
		LS-BROWN TO TAN	SANDY LOOKING W/BLACK CHERT NO POROSITY NS	VIS 56 WT 8.8 WL 5.6 CL 1000
		SH-CREAM	SOFT & MUSHY SLTY CHALKY	
		SH-GRAY & BLACK	W/ THIN PARTINGS OF TAN SANDY LS NS	
	3350			
		FORAKER	3348 -533	
		LS-CREAM W/BLACK	INCLUSIONS FOSS ? POOR TO NO POROSITY NS	VIS 55 WT 8.8
		SH & CHALK	MIX NO RESERVOIR	
		LS-DK GRAY	MED CXTLN DENSE NO POROSITY NS	
		SH-RED	MUSHY	
	3400			
		LS-TAN SANDY	POOR TO NO POROSITY NS W/YELLOW CAST COLOR	VIS 52 WT 8.9
		SH-RED		
	3450			
		LS-TAN	DENSE NS	
		SH-GREEN		
		LS-AS ABOVE	NS	
		SH-GRAY		
		LS-GRAY	MOLDED DENSE NS	
		SH-GRAY		
	3500			
		LS-TAN	GRAINY APPEARANCE P-NO POROSITY NS W/ THIN PARTING SHALE	
		SH-BLACK	HARD CALCAREOUS	
		LS-CREAM	SANDY NO POR	
		LS-CREAM	AS ABOVE	
		SH-YELLOW-GREEN	W/LS INCLUSIONS	
		LS-TAN	SANDY NO RESERVOIR	
		SH-RED		
		SH-BLACK		
	3550			
		LS-WHITE	CHALKY NO POROSITY NS	VIS 54 WT 8.9
		SH-GRAY		
		LS-TAN	VERY FOSS W/POOR POROSITY NS SLTY SANDY	
		SHALE-GRAY & RED		
		LS-GRAY-GREEN	DENSE NS PART CHALKY	
		SH-RED	CHALKY	
	3600			
		LS-TAN	SLTY CHALKY	VIS 55 WT 8.9 LCM 1/2#
		SH-RED & GRAY		
		TOPEKA	3619 -804	
		LS-CREAM	FOSS (CORRAL) POOR POROSITY NS NO FLOR OR OODR	VIS 54 WT 9.0 LCM 1/2#
		SH-RED	W/CALCAROUS FINE GRAIN SAND NO RESERVOIR NS	
	3650			
		LS-CREAM	FINE AND VERY FINE CXTLN W/SOME FINE PINPOINT POROSITY NS W/CREAM WHITE CHERT	VIS 53 WT 9.0 LCM 1/2#
		LS-AS ABOVE	WITH AN INCREASE IN FOSSILS MOSTLY CORRAL POOR TO NO POROSITY NS	
		SH-GREEN	LS SA ABOVE	
		SH-RED	CALCARIOUS	
	3700			
		LS-CREAM	FOSS W/ MINOR LEACHED AND FRACTURED POROSITY TRACE OF DEAD STN NO FREE OIL OR OODR	VIS 53 WT 9/1 LCM 1/2#
		SH-RED	CALC MUSHY	
		LS-CREAM	SANDY POOR-NO POROSITY NS	
		SH-GREEN	AND GRAY	
		LS-DOLOMITIC	COARSE CXTLN FAIR POR	LANSING A DST #1 3774-3834 30-60-30-60 REC 5" M IF 20-24 FF 22-25 SIP 596/454 HYDRO 1517/2014 TEMP 120
		NS GREEN	SH-CREAM	
		HEEBNER	SHALE 3777 -962	VIS 54 WT 9.1 LCM 1/2#
		SH-GRAY	BLACK	
		SH-RED	MUSHY SAND-FINE GRAIN RED SH AND CALC	VIS 54 WT 9.1 WL 6.0 CL 1.400
		CEMENT	SH-RED MUSHY	
	3800			
		LANSING	3821 -1006	
		LS-CREAM	FOSSIL FERROUS MOSTLY CORRAL W/LEACHED FOSS AND FRACTURE POR POOR-SOME FAIR FAIR SHOW OIL SOME SLOW TO BEAD FEW BEREN VUGS	60" CLR-DARK GRAY & GREEN SHALE LANSING D DST #2 3826-3870 30-60-30-60 REC 10" MUD W/OIL SPOTS IF 20-24 FF 27-30 SIP 265/105# HYDRO 1875/1827# TEMP 115
		LS-GRAY-GREEN	NO POR NS SLTY CHERTY	
		SH-RED	AND BLUE-GREEN	
		LS-CREAM	VERY FOSS W/FAIR TO GOOD INTERFOSS & VUGULAR POROSITY GOOD	
		SHOW OIL	AND GAS LITE OODR FAIR SATURATION	
		LS-GREEN	TINTED WHITE VERY FINE CXTLN DENSE NS NO POROSITY	LANSING G DST #3 3865-3920 30-60-30-60 REC 5" MUD IF 20-22 FF 22-22 SIP 63/37# HYDRO 2000/1870# TEMP 115 VIS 54 WT 8.9 LCM 6#
		SH-GRAY	AND RED	
		SH-RED	SOFT MUSHY	
	3900			
		LS-WHITE	SLTY FOSS W/POOR PINPOINT & VUG POROSITY POOR TO FAIR SHOW OIL SOME DARK STAIN SLTY CHALKY	VIS 57 WT 9.1 WL 6.0 CL 1200
		LS-GRAY-GREEN	CRYPO-CXTLN DENSE NS W/SAME COLOR CHERT	
		SH-RED	W/BLACK AND GRAY	
		LS-CREAM	NODULAR SLTY LEACHED & RECYCLED SHOW OIL IN POOR POROSITY SLT OODR ON BREAK	LANSING H & J DST #4 3915-3988 30-60-30-60 REC 60" MUD 100' MW 60" WTR 40% MUD 300' WTR CL 21000 IF 26-128 FF 133-272 SIP 953/942# HYDRO 1916/1951# TEMP 123
		SH-GRAY	AND GREEN AND RED	
		LS-CREAM	W/THIN DOLOMITIC BED W/ INTER COL POROSITY P-F POOR SHOW & FRAC FACES W/STN PART CHALKY	VIS 47 WT 9.0 WL 6.0 LCM 5# CL 1400
		LS-DENSE	WITH SSO ON FRACTURE FACES	
		SH-GRAY	BLACK	
		SH-RED	BLACK AND GRAY	
	4000			
		LS-DOLOMITIC	LEACHED MINOR STN ON VUG EDGES FEW SPOTS FO POOR POR BECOMING SLTY DOLOMITIC W/FINE CXTLN & CHERTY NS	VIS 44 WT 9.0 LCM 6#



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co.

250 N. Water
STE 300
Wichita Ks. 67202
ATTN: Kent Crisler

Maywen Unit #1-18

18 2 29w Decatur Ks

Job Ticket: 43713

DST#: 1

Test Start: 2011.07.18 @ 16:00:00

GENERAL INFORMATION:

Formation: **LKC-A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:25:30

Time Test Ended: 23:22:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3774.00 ft (KB) To 3834.00 ft (KB) (TVD)

Reference Elevations: 2815.00 ft (KB)

Total Depth: 3834.00 ft (KB) (TVD)

2810.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 25.00 psig @ 3775.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.18

End Date:

2011.07.18

Last Calib.:

2011.07.18

Start Time: 16:00:05

End Time:

23:21:59

Time On Btm:

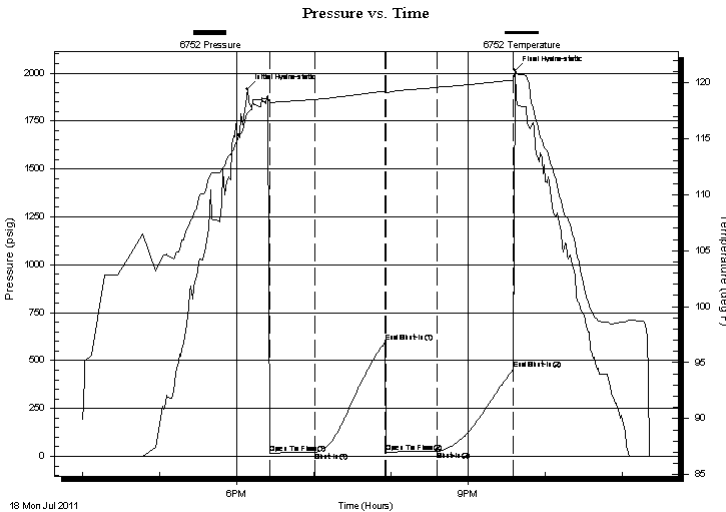
2011.07.18 @ 18:08:30

Time Off Btm:

2011.07.18 @ 21:36:30

TEST COMMENT: IF: Weak blow, Died in 5 mins.
IS: No blow back over 60 mins.
FF: No blow over 30 mins.
FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.02	117.31	Initial Hydro-static
17	17.00	118.29	Open To Flow (1)
53	19.94	118.52	Shut-In(1)
107	595.95	119.25	End Shut-In(1)
108	21.50	119.12	Open To Flow (2)
148	25.00	119.60	Shut-In(2)
207	453.68	120.26	End Shut-In(2)
208	2013.85	121.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud-100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

Maywen Unit #1-18

250 N. Water
STE 300
Wichita Ks. 67202
ATTN: Kent Crisler

18 2 29w Decatur Ks

Job Ticket: 43713 **DST#: 1**

Test Start: 2011.07.18 @ 16:00:00

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud-100%	0.025

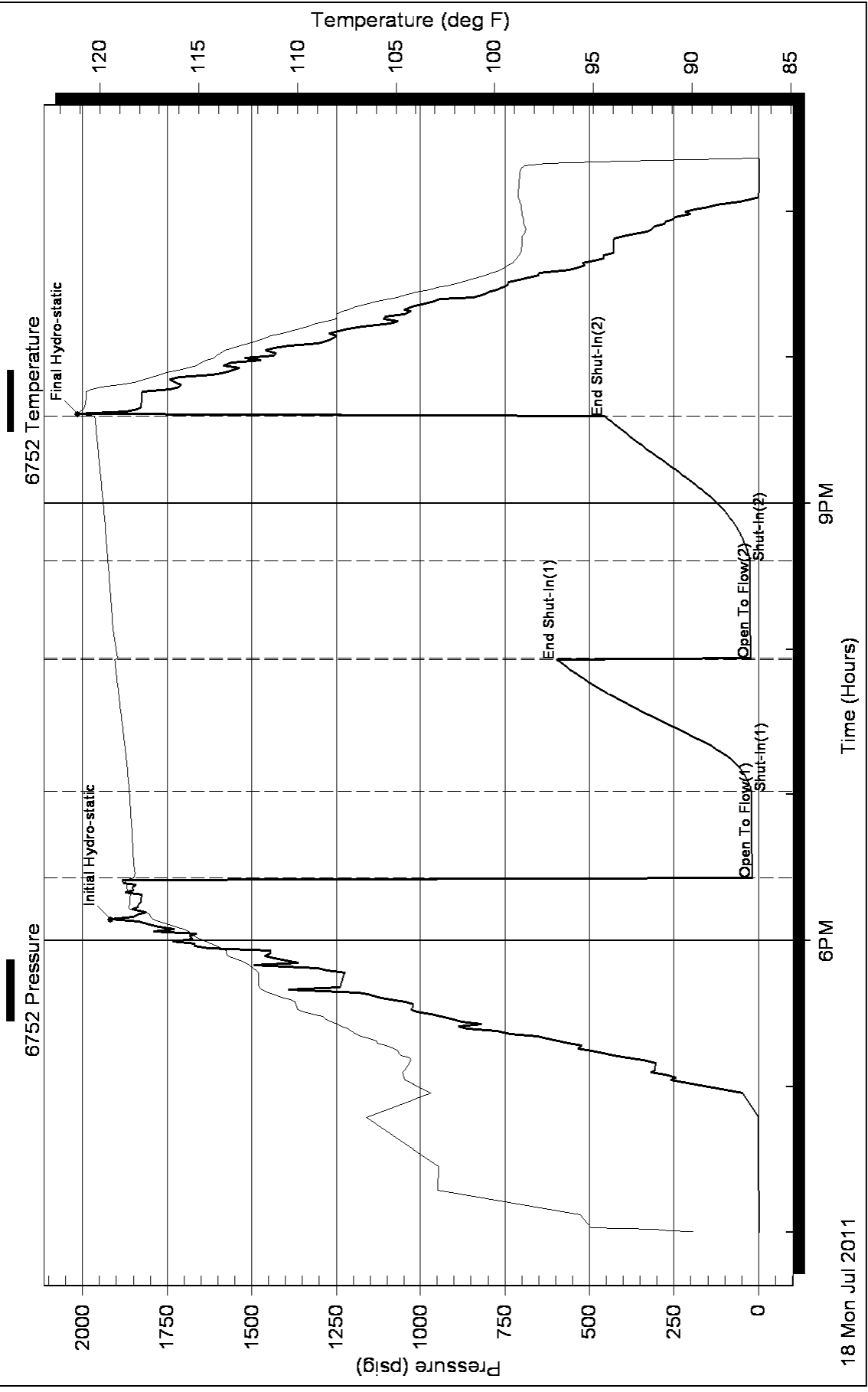
Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Murfin Drilling Co.

Maywen Unit #1-18

250 N. Water
STE 300
Wichita Ks. 67202
ATTN: Kent Crisler

18 2 29w Decatur Ks

Job Ticket: 43714 **DST#: 2**

Test Start: 2011.07.19 @ 15:20:00

GENERAL INFORMATION:

Formation: **LKC-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:07:30

Time Test Ended: 22:03:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3826.00 ft (KB) To 3870.00 ft (KB) (TVD)

Reference Elevations: 2815.00 ft (KB)

Total Depth: 3826.00 ft (KB) (TVD)

2810.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6741 Outside

Press @ Run Depth: 30.44 psig @ 3827.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.19 End Date: 2011.07.19

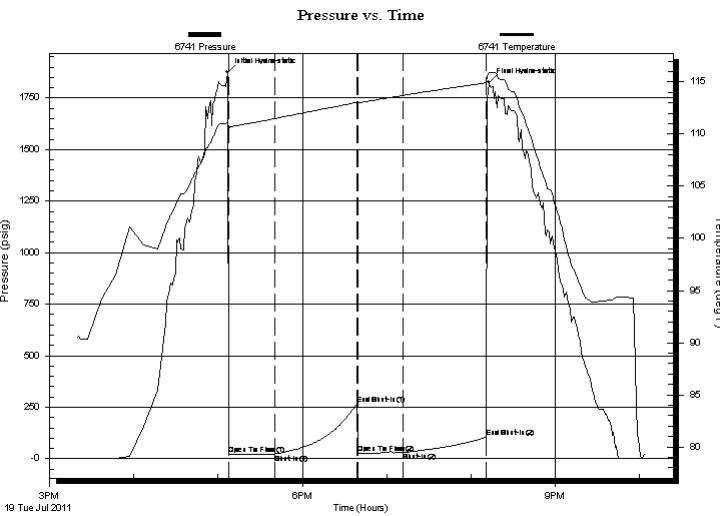
Last Calib.: 2011.07.19

Start Time: 15:20:05 End Time: 22:03:29

Time On Btm: 2011.07.19 @ 17:06:30

Time Off Btm: 2011.07.19 @ 20:12:30

TEST COMMENT: IF: Weak blow, Died in 5 mins.
IS: No blow back over 60 mins.
FF: No blow over 30 mins.
FS: No blow back over 60 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1874.67	111.06	Initial Hydro-static
1	19.52	110.42	Open To Flow (1)
34	23.50	111.49	Shut-In(1)
92	264.66	113.03	End Shut-In(1)
93	26.89	112.97	Open To Flow (2)
125	30.44	113.71	Shut-In(2)
185	105.02	114.92	End Shut-In(2)
186	1827.08	115.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil specs	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

Maywen Unit #1-18

250 N. Water
STE 300
Wichita Ks. 67202
ATTN: Kent Crisler

18 2 29w Decatur Ks

Job Ticket: 43714 **DST#: 2**
Test Start: 2011.07.19 @ 15:20:00

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: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil specs	0.049

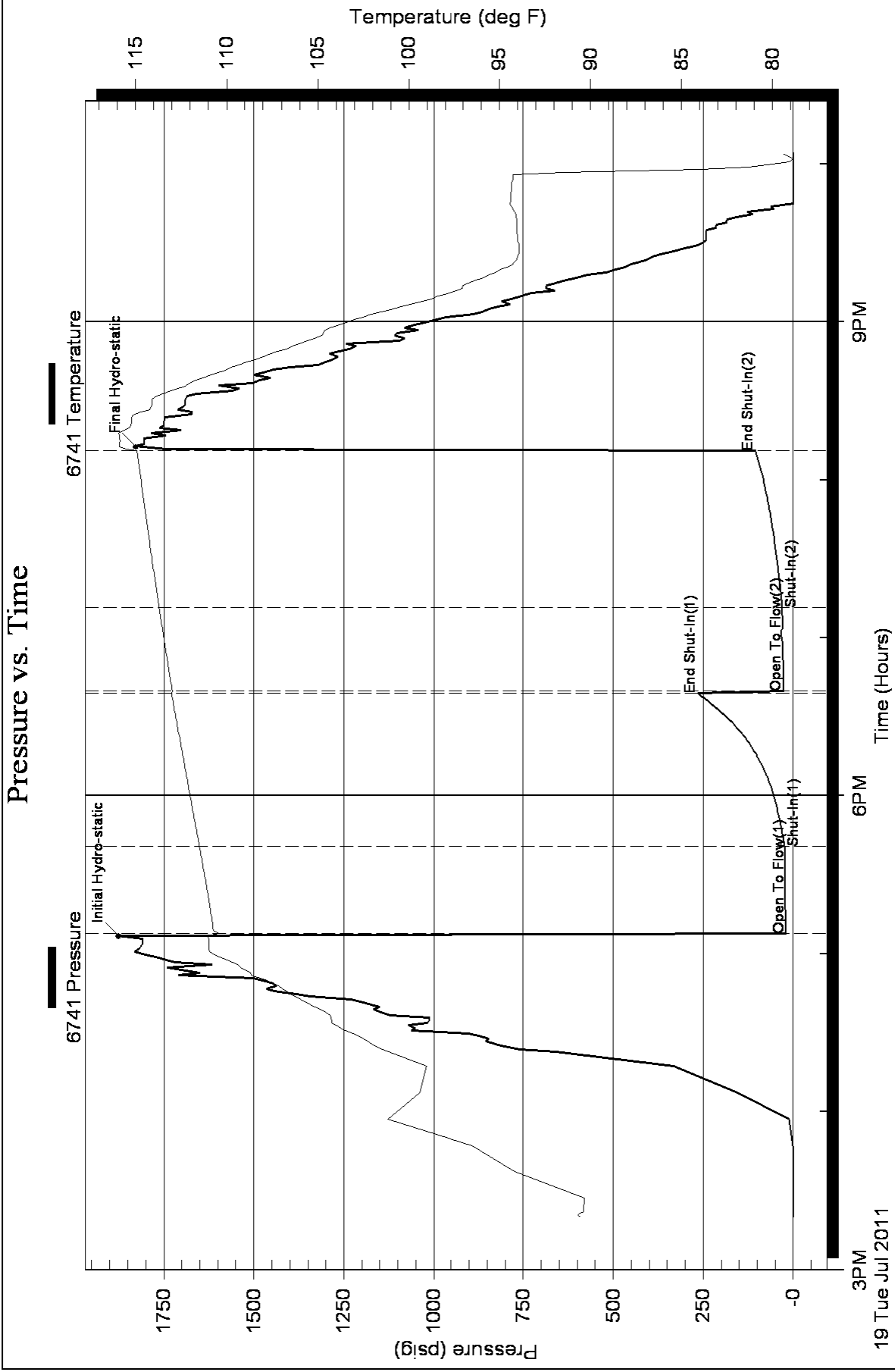
Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Murfin Drilling Co.

Maywen Unit #1-18

250 N. Water
STE 300
Wichita Ks. 67202
ATTN: Kent Crisler

18 2 29w Decatur Ks

Job Ticket: 43715 **DST#: 3**

Test Start: 2011.07.20 @ 06:20:00

GENERAL INFORMATION:

Formation: **LKC-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:22:30

Time Test Ended: 13:05:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3865.00 ft (KB) To 3920.00 ft (KB) (TVD)

Reference Elevations: 2815.00 ft (KB)

Total Depth: 3920.00 ft (KB) (TVD)

2810.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6741 Outside

Press @ Run Depth: 22.41 psig @ 3866.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.20 End Date: 2011.07.20

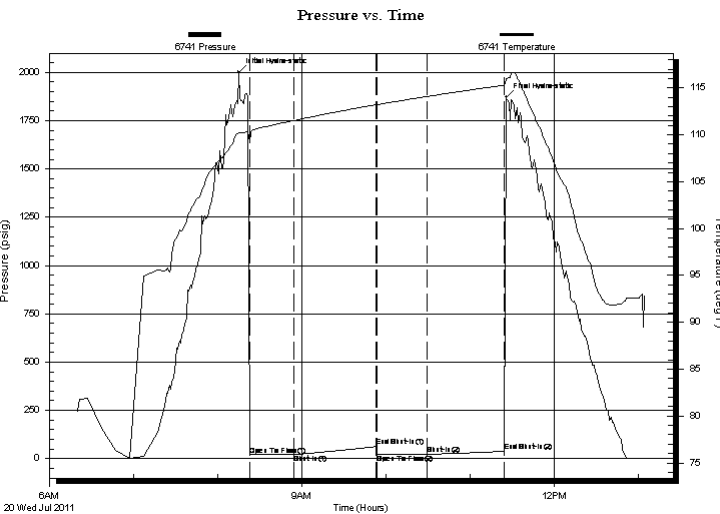
Last Calib.: 2011.07.20

Start Time: 06:20:05 End Time: 13:04:59

Time On Btm: 2011.07.20 @ 08:15:00

Time Off Btm: 2011.07.20 @ 11:26:00

TEST COMMENT: IF: Weak blow, Died in 15 mins.
IS: No blow back over 60 mins.
FF: No blow over 30 mins.
FS: No blow back over 60 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.79	110.22	Initial Hydro-static
8	20.03	109.31	Open To Flow (1)
40	21.68	111.52	Shut-In(1)
98	62.97	113.21	End Shut-In(1)
99	22.09	113.21	Open To Flow (2)
135	22.41	114.10	Shut-In(2)
190	37.45	115.28	End Shut-In(2)
191	1869.87	115.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

Maywen Unit #1-18

250 N. Water
STE 300
Wichita Ks. 67202
ATTN: Kent Crisler

18 2 29w Decatur Ks

Job Ticket: 43715 **DST#: 3**
Test Start: 2011.07.20 @ 06:20:00

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: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

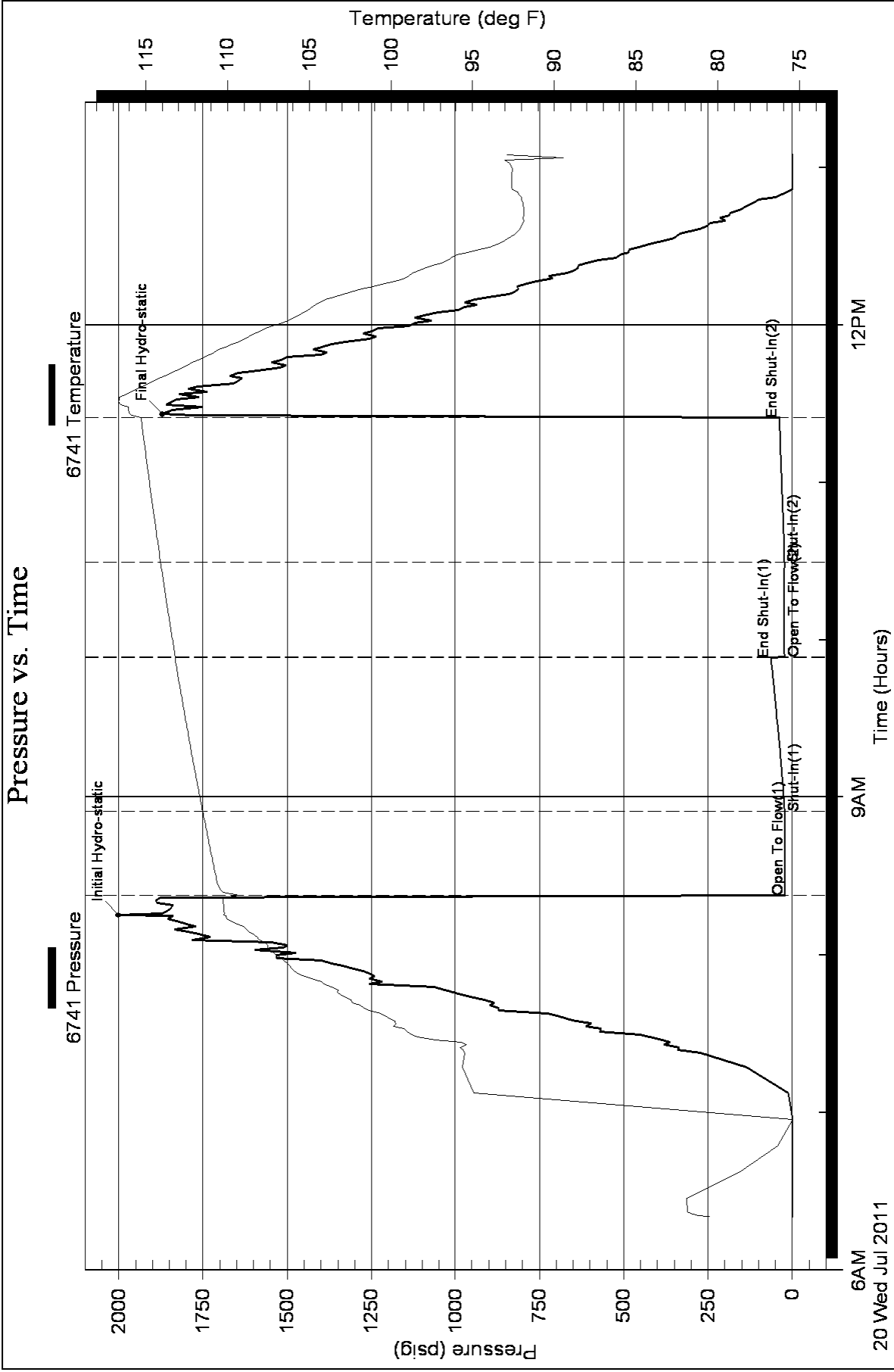
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	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

Murfin Drilling Co.

250 N. Water
STE 300
Wichita Ks. 67202
ATTN: Kent Crisler

Maywen Unit #1-18

18 2 29w Decatur Ks

Job Ticket: 43716

DST#: 4

Test Start: 2011.07.20 @ 22:50:00

GENERAL INFORMATION:

Formation: **LKC- H,I,J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:04:30

Time Test Ended: 07:16:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3915.00 ft (KB) To 3988.00 ft (KB) (TVD)

Reference Elevations: 2815.00 ft (KB)

Total Depth: 3988.00 ft (KB) (TVD)

2810.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6741 Outside

Press @ Run Depth: 272.47 psig @ 3916.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.20 End Date: 2011.07.21

Last Calib.: 2011.07.21

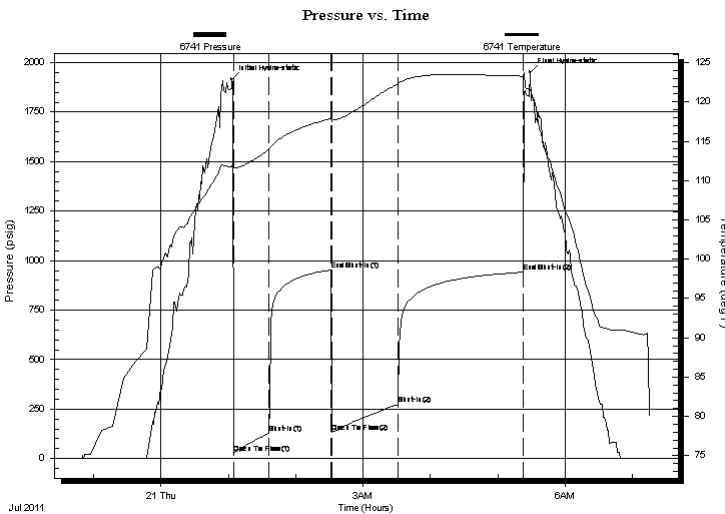
Start Time: 22:50:05 End Time: 07:15:59

Time On Btm: 2011.07.21 @ 01:03:00

Time Off Btm: 2011.07.21 @ 05:29:00

TEST COMMENT: IF: Weak blow, Built to 6 1/2 in. over 30 mins.
IS: No blow back over 60 mins.
FF: Weak blow, Built to 1 1/2 in over 60 mins.
FS: No blow back over 90 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1916.27	111.82	Initial Hydro-static
2	26.07	111.61	Open To Flow (1)
33	128.16	114.02	Shut-In(1)
89	952.66	117.88	End Shut-In(1)
90	133.14	117.52	Open To Flow (2)
149	272.47	122.30	Shut-In(2)
260	941.78	123.28	End Shut-In(2)
266	1950.70	121.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	water-100%	1.48
180.00	mcw -40% m60%w	0.89
60.00	mud-100%	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

Maywen Unit #1-18

250 N. Water
STE 300
Wichita Ks. 67202
ATTN: Kent Crisler

18 2 29w Decatur Ks

Job Ticket: 43716 **DST#: 4**

Test Start: 2011.07.20 @ 22:50:00

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:	2100 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: 0.15 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	water-100%	1.475
180.00	mcw -40% m60%w	0.885
60.00	mud-100%	0.295

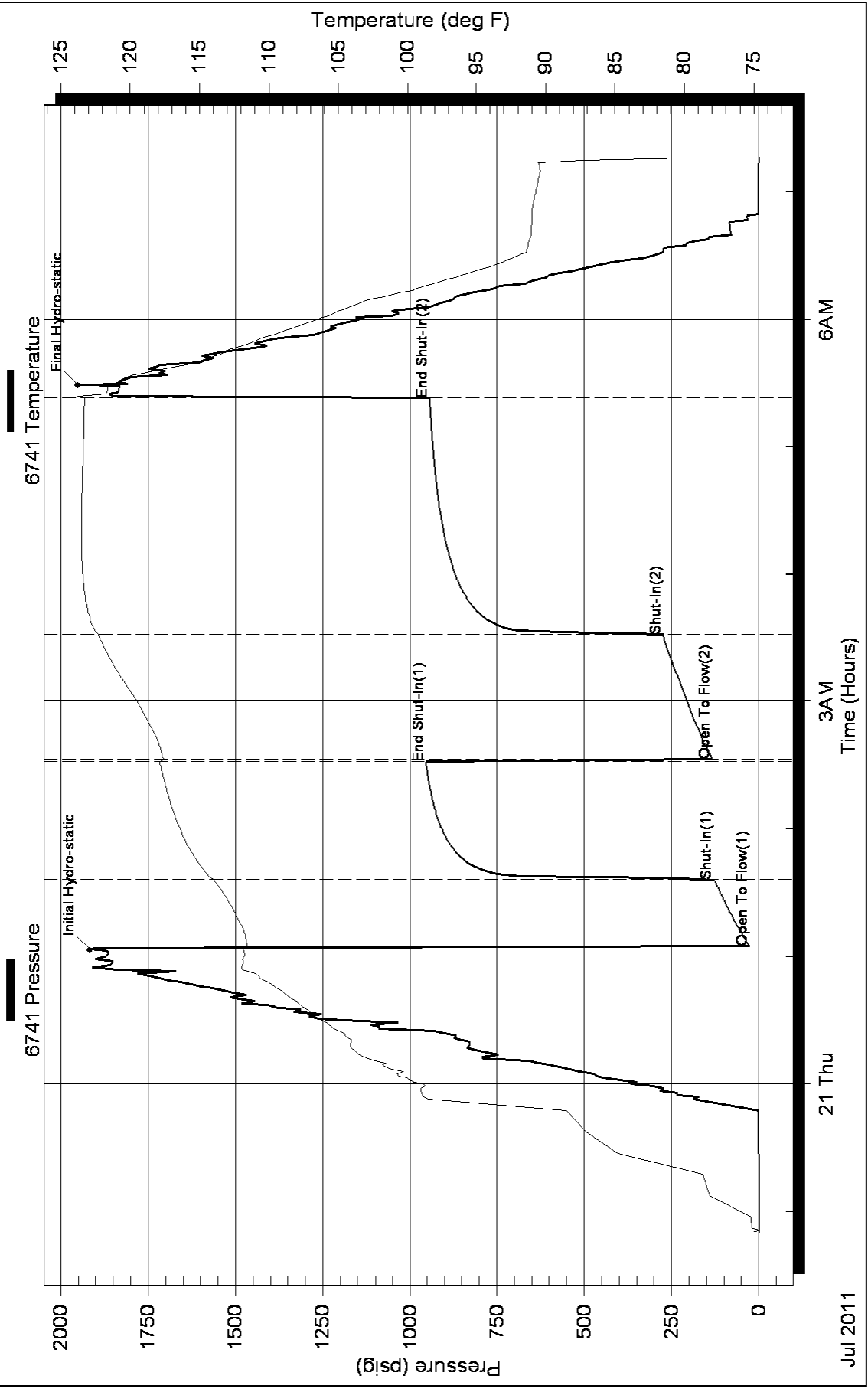
Total Length: 540.00 ft Total Volume: 2.655 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 127857

Invoice Date: Jul 13, 2011

Page: 1

PROD COPY

Voice: (785) 483-3887
 Fax: (785) 483-5566

Bill To:

Murfin Drig. Co., Inc.
 250 N. Water
 STE #300
 Wichita, KS 67202

*operator Pay
 MOC
 RN*

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Maywen Unit #1-18	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 13, 2011	8/12/11

Quantity	Item	Description	Unit Price	Amount
180.00	MAT	Class A Common	16.25	2,925.00
6.00	MAT	Chloride	58.20	349.20
186.00	SER	Handling	2.25	418.50
65.00	SER	Mileage 186 sx @.11 per sk per mi	20.46	1,329.90
1.00	SER	Srurface	1,125.00	1,125.00
130.00	SER	Pump Truck Mileage	7.00	910.00
1.00	SER	Manifold Head Rental	200.00	200.00
130.00	SER	Light Vehicle Mileage	4.00	520.00
1.00	EQP	8.5/8 Surface Plug	92.00	92.00
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Jerry Yates		
1.00	OPER ASSIST	Earl Rebarcheck		

Account	Unit Price	Quantity	Amount
LD203	8115.33	1	8115.33
3.5223.0001	(2754.27)	1	(2754.27)

OKM
Cement S. (Csy) #1-18

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 2754.27

ONLY IF PAID ON OR BEFORE
Aug 7, 2011

Subtotal	7,869.60
Sales Tax	245.73
Total Invoice Amount	8,115.33
Payment/Credit Applied	
TOTAL	8,115.33

- 2754.27
5361.06

ALLIED CEMENTING CO., LLC. 043445

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Cable

DATE <u>7-13-11</u>	SEC <u>18</u>	TWP <u>25</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00am</u>	JOB FINISH <u>8:30pm</u>
LEASE <u>Mayween unit</u>	WELL # <u>1-18</u>	LOCATION <u>oberlin SW 3/4N</u>		COUNTY <u>Deer</u>	STATE <u>KS</u>		
OLD OR (NEW) (Circle one) <u>NEW</u>		E into					

CONTRACTOR Murfin Drilling Rig 3

OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/2" T.D. 263'

CASING SIZE 8 3/8" DEPTH 263'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 15,79 ODL

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
423-281 HELPER Jerry

BULK TRUCK DRIVER Earl
347

BULK TRUCK DRIVER

CEMENT AMOUNT ORDERED 180 sks com 3% cu

COMMON 180 sks @ 16.25 2925.00

POZMIX @

GEL @

CHLORIDE 6 sks @ 58.20 349.20

ASC @

@

@

@

@

@

@

@

@

HANDLING 186 sks @ 2.25 418.25

MILEAGE 11 @ 5.5/mile 1329.80

TOTAL 5022.35

REMARKS:

Cement did circulate

thank you

CHARGE TO: Murfin

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 263'

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 65 miles @ 2.00 130.00

MANIFOLD head @ 200.00

Light vehicle @ 4.00 520.00

@

TOTAL 2755.00

PLUG & FLOAT EQUIPMENT

8 5/8
1 Surface plug @ 92.00

@

@

@

@

TOTAL 92.00

To Allied Cementing Co., 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 Keith Van Bort

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



PO BOX 31 Russell, KS 67665

INVOICE

acct. Ling

PROD COPY

Invoice Number: 127988
 Invoice Date: Jul 22, 2011
 Page: 1

Voice: (785) 483-3887
 Fax: (785) 483-5566

Bill To:
 Murfin Drlg. Co., Inc.
 250 N. Water
 STE #300
 Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

*MDC Operator Pay
 May Wren Unit 1-18
 Ba*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Maywen <i>Unit 1-18</i>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jul 22, 2011	8/21/11

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	16.25	2,145.00
88.00	MAT	Pozmix	8.50	748.00
8.00	MAT	Gel	21.25	170.00
55.00	MAT	Flo Seal	2.70	148.50
230.00	SER	Handling	2.25	517.50
65.00	SER	Mileage	25.30	1,644.50
1.00	SER	Plug To Abandon ✓	1,250.00	1,250.00
130.00	SER	Heavy Vehicle Mileage	7.00	910.00
130.00	SER	Light Vehicle Mileage	4.00	520.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Chris Helpingstine		

Account	Rate	No.	Amount	Description
<i>ID203</i>			<i>8044.41</i>	<i>PTA Unit 1-18</i>
			<i>(2818.73)</i>	
		<i>3.5023.0001</i>		

Subtotal	8,053.50
Sales Tax	587.91
Total Invoice Amount	8,641.41
Payment/Credit Applied	
TOTAL	8,641.41

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ *2818.73*

ONLY IF PAID ON OR BEFORE
Aug 16, 2011

06517

- 2818.55
5822.68

ALLIED CEMENTING CO., LLC. 039989

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley Ky

DATE <u>7/22/11</u>	SEC. <u>18</u>	TWP. <u>2</u>	RANGE <u>29</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00am</u>	JOB FINISH <u>8:00am</u>
LEASE <u>Murphy Hill</u>	WELL # <u>118</u>	LOCATION <u>Obelisk N 10 Tract Rd 3 1/2</u>			COUNTY <u>Heater</u>	STATE <u>Ky</u>	
OLD OR NEW (Circle one)		<u>N</u> <u>Enbo</u>					

CONTRACTOR Murphy Hill
 TYPE OF JOB PTA
 HOLE SIZE 9 7/8 T.D.
 CASING SIZE 8 5/8 DEPTH 263'
 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 220 60/40
4070 gal 14 Plo Seal

COMMON	<u>132</u>	@ <u>16.25</u>	<u>2145.00</u>
POZMIX	<u>88</u>	@ <u>8.50</u>	<u>748.00</u>
GEL	<u>8</u>	@ <u>21.25</u>	<u>170.00</u>
CHLORIDE		@	
ASC		@	
<u>Plo Seal</u>	<u>5516</u>	@ <u>2.70</u>	<u>1489.50</u>
HANDLING	<u>230 SKs</u>	@ <u>2.25</u>	<u>517.50</u>
MILEAGE	<u>119 SK/mi</u>		<u>1644.50</u>
TOTAL			<u>5373.50</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan
 # 422 HELPER Wayne
 BULK TRUCK
 # 347 DRIVER Chris
 BULK TRUCK
 # DRIVER

REMARKS:

25 SKs @ 2582'
100 SKs @ 1810'
40 SKs @ 310'
10 SKs @ 40'
30 SKs - R. Hole
15 SKs M Hole

SERVICE

DEPTH OF JOB	<u>2582'</u>
PUMP TRUCK CHARGE	<u>1250.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>65 x 2</u>	@ <u>7.00</u> <u>910.00</u>
MANIFOLD	@
<u>65 to Vehicle 65 x 2</u>	@ <u>4.00</u> <u>520.00</u>
TOTAL <u>2680.00</u>	

CHARGE TO: Murphy Drilling
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL _____		

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE Keith Van Belt