

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1
June 2009

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

3/31/13

OPERATOR: License # 30606
Name: Murfin Drilling Company, Inc.
Address 1: 250 N. Water, Suite 300
Address 2:
City: Wichita State: KS Zip: 67202
Contact Person: Leon Rodak
Phone: (316) 267-3241
CONTRACTOR: License # 30606
Name: Murfin Drilling Company, Inc.
Wellsite Geologist: Paul Gunzelman
Purchaser: MV Purchasing

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 #:

12/03/10 12/10/10 12/30/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 141-20423-0000
Spot Description:
SW SW NE NE Sec. 16 Twp. 10 S. R. 14 East West
1,100 Feet from North / South Line of Section
1,200 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE NW SE SW
County: Osborne
Lease Name: Pamela Well #: 1-16
Field Name: Wildcat
Producing Formation: LKC
Elevation: Ground: 1980 Kelly Bushing: 1985
Total Depth: 3905 Plug Back Total Depth: 3858
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1180 Feet
If Alternate II completion, cement circulated from: 1180
feet depth to: surface w/ 200 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 #:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Handwritten Signature]

Title: VP Production Date: 04/01/2011

KCC Office Use ONLY
Letter of Confidentiality Received
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
Approved by: [Signature] Date: 4-7-11

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Operator Name: Murfin Drilling Company, Inc. Lease Name: Pamela Well #: 1-16
 Sec. 16 Twp. 10 S. R. 14 East West County: Osborne

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INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction, Compensated Porosity, Microresistivity	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Attached List
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------

CASING RECORD <input checked="" 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
Surface		8 5/8	23#	220	Common	160	3% cc, 2% gel
Production		4 1/2	10.5	3902	AA-2	265	

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3212-3216 LKC "A"	250 gal 15% MCA, 750 gal 15% NE/FE	
4	3242-3248 LKC "B"	LKC "B" & "C" w/1500 gal 15% NEFE	
4	3259-3263 LKC "C"	250 gal 15% MCA	

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>3278</u> Packer At: <u>NA</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		RECEIVED APR 01 2011
Date of First, Resumed Production, SWD or ENHR. <u>01/20/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>17</u>	Gas Mcf <u>4</u> Water Bbls. <u>4</u> Gas-Oil Ratio <u> </u> Gravity <u>38.1</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3212-3263</u>
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MDCI
Pamela #1-16
1100 FNL 1200 FEL
Sec. 16-T10S-R14W
1985' KB

Cox & Cox
Meyer #1
NW NW NW
Sec. 15-T10S-R14W
1980' KB

Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	1161	+824	-11	1162	+823	-12	1145	+835
B/Anhydrite	1197	+788	-5	1196	+789	-4	1187	+793
Topeka	2908	-923	+11	2909	-924	+10	2914	-934
Heebner	3159	-1174	+14	3158	-1173	+15	3168	-1188
Toronto	3182	-1197	+15	3180	-1195	+17	3192	-1212
Lansing	3209	-1224	+17	3210	-1225	+16	3221	-1241
Stark	3420	-1435	+15	3422	-1437	+13	3430	-1450
BKC	3484	-1499	+13	3483	-1498	+14	3492	-1512
Cherokee	3597	-1612	+16	3598	-1613	+15	3608	-1628
Viola	3684	-1699	+58	3693	-1708	+49	3737	-1757
Simpson	3784	-1799	+49	3784	-1799	+49	3828	-1848
Arbuckle	3846	-1861	+38	3849	-1864	+35	3879	-1899
RTD	3905						3908	
LTD				3907			3910	

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Accty — cc: w
cc: Liz
cc: p. l. Lee

Date: 12/6/2010
Invoice # 4486



QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone: 785-324-1041 fax: 785-483-1087
Email: cementing@ruraltel.net

P.O.#:
Due Date: 1/5/2011
Division: Russell

Invoice **PROD COPY**

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Contact:
Murfin Drilling Company
Address/Job Location:
Murfin Drilling Company
P.O. Box 288
Russell Ks 67665

USED FOR New Well Drilling
APPROVED [Signature]

Reference:
PAMELA 1-16

Description of Work:
SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 722.89	No				
Common-Class A	160	\$ 2,060.44	Yes				
Bulk Truck Matl-Material Service Charge	168	\$ 354.87	No				
Pump Truck Mileage-Job to Nearest Camp	30	\$ 316.03	No				
Calcium Chloride	5	\$ 198.76	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	30	\$ 184.93	No				
Premium Gel (Bentonite)	3	\$ 51.55	Yes				

Account	Unit	W	No	Amount	Description
<u>3000</u>	<u>016</u>	<u>01</u>	<u>3813</u>	<u>3459.09</u>	<u>Cement S. Csg</u>
					SubTotal: \$ 3,889.28
					Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (583.39)
					SubTotal for Taxable Items: \$ 1,964.15
					SubTotal for Non-Taxable Items: \$ 727.29
					Total: \$ 3,305.89
					Tax: \$ 153.20

Invoice Terms:
Net 30

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.
©2008-2013 Straker Investments, LLC. All rights reserved.

Amount Due: \$ 3,459.09
Applied Payments:
Balance Due: \$ 3,459.09

OKD

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QUALITY OILWELL CEMENTING, INC.

Phone 783-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4486

Date	12-3-10	Sec.	16	Twp.	10	Range	14	County	Osborne	State	Ks	On Location		Finish	11:30 PM
Lease	Pamela			Well No.	1-16			Location Paradise Ks - E side to 182 st W 6.6 mi							
Contractor	Martin Rig #16							Owner To 412 DA, 1E, 1S, 1/2 W, 1/4 to Rig							
Type Job	Sur. face							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish Cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"			T.D.	222'			Charge To Martin Drilling							
Csg.	8 7/8"			Depth	220'			To							
Tbg. Size				Depth				Street							
Tool				Depth				City State							
Cement Left in Csg.	15'			Shoe Joint	15'			The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace	13 BUS			Cement Amount Ordered 160 st Common 3% CC							

EQUIPMENT

Pumptrk	1	No.	Cementer Helper	Neale	Common	160
Bulktrk	10	No.	Driver	Jason	Poz. Mix	
Bulktrk	P.H.	No.	Driver	Rick	Gel.	3

JOB SERVICES & REMARKS

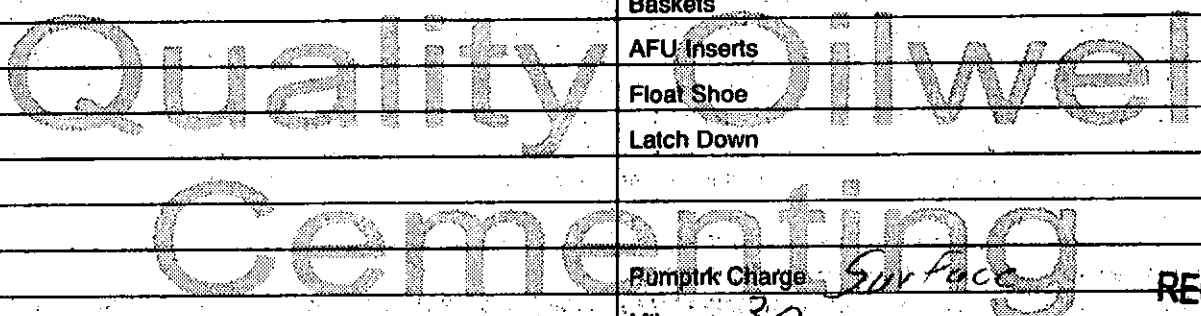
Remarks:	Cement did Circulate		Calcium	5
Rat Hole			Hulls	
Mouse Hole			Salt	
Centralizers			Flowseal	
Baskets			Kbl-Seal	
D/V or Port Collar			Mud CLR 48	
			CFL-117 or CD110 CAF 38	

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Sand	
Handling	168
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	



Pumptrk Charge	Surface	RECEIVED APR 01 2011 Discount KCC WICHITA Total Charge
Mileage	30	

X Signature *Ag... [Signature]*

Accty - cc: WF
cc: Liu
cc: Leon pl.



BASIC
ENERGY SERVICES

PAGE 1 of 1	CUST NO 1002852	INVOICE DATE 12/31/2010
INVOICE NUMBER 1718 - 90490968		

Pratt (620) 672-1201
B MURFIN DRILLING
I PO Box: 288
L RUSSELL
L KS US 67665
T
O ATTN:

J LEASE NAME Pamela 1-16
O LOCATION
B COUNTY Osborne
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
T
E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40268328	19905		Net - 30 days	01/30/2011
For Service Dates: 12/30/2010 to 12/30/2010				
0040268328				KCC MAR 31 2011 CONFIDENTIAL
171802757A Cement-New Well Casing/Pi 12/30/2010 Port Collar				
A-Con Blend Common	200.00	EA	12.24	2,448.00 T
Cello-flake	50.00	EA	2.52	125.80 T
Calcium Chloride	564.00	EA	0.71	402.70 T
Unit Mileage Charge-Pickups, Vans & Cars	100.00	HR	2.89	289.00
Heavy Equipment Mileage	200.00	MI	4.76	952.00
Proppant and Bulk Delivery Charges	940.00	MI	1.09	1,022.72
Depth Charge; 1001-2000'	1.00	HR	1,020.00	1,020.00
Blending & Mixing Service Charge	200.00	MI	0.95	190.40
Supervisor	1.00	HR	119.00	119.00
USED FOR <u>New Well Casing</u>				
APPROVED <u>[Signature]</u>				
				RECEIVED APR 01 2011 KCC WICHITA

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,569.62
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	232.17
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	6,801.79
DALLAS, TX 75284-1903	MIDLAND, TX 79702		

Accty - cc: WF
cc: Liu
cc: Lem pl.



BASIC
ENERGY SERVICES

PAGE	CUST NO	INVOICE DATE
1 of 1	1002852	12/31/2010
INVOICE NUMBER		
1718 - 90490968		

Pratt (620) 672-1201

B MURFIN DRILLING
I PO Box: 288
L RUSSELL
L KS US 67665
T
O ATTN:

J LEASE NAME Pamela 1-16
O
B LOCATION
S COUNTY Osborne
I STATE KS
T JOB DESCRIPTION Cement-New Well Casing/Pi
E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40268328	19905		Net - 30 days	01/30/2011
For Service Dates: 12/30/2010 to 12/30/2010				
0040268328				
171802757A Cement-New Well Casing/Pi 12/30/2010 Port Collar				
A-Con Blend Common	200.00	EA	12.24	2,448.00 T
Cello-flake	50.00	EA	2.52	125.80 T
Calcium Chloride	564.00	EA	0.71	402.70 T
Unit Mileage Charge-Pickups, Vans & Cars	100.00	HR	2.89	289.00
Heavy Equipment Mileage	200.00	MI	4.76	952.00
Proppant and Bulk Delivery Charges	940.00	MI	1.09	1,022.72
Depth Charge; 1001-2000'	1.00	HR	1,020.00	1,020.00
Blending & Mixing Service Charge	200.00	MI	0.95	190.40
Supervisor	1.00	HR	119.00	119.00

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USED FOR New Well Casing
APPROVED [Signature]

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PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,569.62
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	232.17
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	6,801.79
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

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FIELD SERVICE TICKET
1718 02707 A

DATE _____ TICKET NO. _____

DATE OF JOB		DISTRICT		NEW WELL <input type="checkbox"/>		OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/>		INJ <input type="checkbox"/>		WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER				LEASE				WELL NO.							
ADDRESS				COUNTY				STATE							
CITY				STATE				SERVICE CREW							
AUTHORIZED BY				JOB TYPE:											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
						ARRIVED AT JOB		AM	PM						
						START OPERATION		AM	PM						
						FINISH OPERATION		AM	PM						
						RELEASED		AM	PM						
						MILES FROM STATION TO WELL									

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
1	Acid	lb	100		
2	Oil	gal	50		
3	Water	gal	100		
4
5
6
7
8
9
10
11
12
13
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SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE /	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer	MURFIN DR.	Lease No.		Date	12-30-10
Lease	PAMELA	Well #	1-16		
Field Order #	2757	Station	PRATT KS	Casing	4 1/2
Type Job	CNW	Port Collar		Depth	
				County	OSBORNE
				State	KS
				Formation	
				Legal Description	16-10-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	1180'	Acid	Port Collar	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad		Max		5 Min.
Volume	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Station Manager	Treater
	DAVE SCHA	Robert J. Hines

Service Units	19867	19903	19925	19977	19867				
Driver Names	Sullivan	MATTHEW	Hunter						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0800					on loc softy meeting
0830		1,000	4		Lead Tom Ann Hline Phase Test Release PSI ANN OPEN TOOL
0840		550		2	Pump INTOO c/w good flow no c/w
		550		2 1/2	It mixing out back A-COW circulate
			39		circulate
			72		circulate to surf. &
0907		300	85	2	It Disp circulate 10 PACE out surf
0909			3 1/2		shut down close tool
0913		1,000			Test Tool Edge good Release PSI ANN RUN 550
0925		200		2	Revised out tool
0930			10		Shut down JOB Complete

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Thank you KCC WICHITA



Acctg -

cc: Liz
cc: Leann p.1

PAGE 1 of 1	CUST NO 1002852	INVOICE DATE 12/14/2010
INVOICE NUMBER 1718 - 90477923		

Pratt (620) 672-1201

J LEASE NAME Pamela 1-16
 O LOCATION
 B COUNTY Osborne
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

New Well Comp
KR

B MURFIN DRILLING
 I PO Box: 288
 L RUSSELL
 L KS US 67665
 T
 O ATTN:

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JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE		
40262673	27463		Net - 30 days	01/13/2011		
			QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 12/11/2010 to 12/11/2010</i>						
0040262673						
171802990A Cement-New Well Casing/Pi 12/11/2010 4 1/2" L.S. w/ P.C.						
AA2 Cement 325.00 EA 11.56 3,757.00 T						
Cello-flake 82.00 EA 2.52 206.31 T						
De-foamer (Powder) 62.00 EA 2.72 168.64 T						
Salt (Fine) 1,529.00 EA 0.34 519.86 T						
FLA-322 154.00 EA 5.10 785.40 T						
Gilsonite 1,625.00 EA 0.46 740.35 T						
4 1/2" Port Collar 1.00 EA 2,380.00 2,380.00						
Latch Down Plug & Baffle 4 1/2" 1.00 EA 251.60 251.60						
Auto Fill Float Shoe 4 1/2" (Blue) 1.00 EA 224.40 224.40						
Turbolizer 4 1/2" (Blue) 10.00 EA 57.80 578.00						
4 1/2" Basket (Blue) 1.00 EA 183.60 183.60						
Cement Scratchers Cable Type 4 1/2" 10.00 EA 47.60 476.00						
Super Flush II 500.00 EA 1.04 520.20 T						
Unit Mileage Charge-Pickups, Vans & Cars 100.00 HR 2.89 289.00						
Heavy Equipment Mileage 200.00 MI 4.76 952.00						
Depth Charge; 3001-4000' 1.00 HR 1,468.80 1,468.80						
Blending & Mixing Service Charge 325.00 MI 0.95 309.40						
Plug Container Utilization Charge 1.00 EA 170.00 170.00						
Supervisor 1.00 HR 119.00 119.00						
Proppant and Bulk Delivery Charges 1,535.00 MI 1.09 1,670.08						

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PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	15,769.64
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	522.43
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	16,292.07
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

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FIELD SERVICE TICKET
1718 02990 A

DATE _____ TICKET NO. _____

DATE OF JOB 12-11-10 DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <i>Murfin Drilling Inc. Co.</i>		LEASE <i>Pamela</i> WELL NO. # <i>1-16</i>							
ADDRESS		COUNTY <i>Oshorne 16-10-19</i> STATE <i>Kansas</i>							
CITY STATE		SERVICE CREW <i>A. Worth, C. Deach, P. Phye</i>							
AUTHORIZED BY		JOB TYPE: <i>4 1/2" I.S. w/ P.C. call</i>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	ARR	TIME
<i>28443 P.U.</i>	<i>2</i>					<i>12-10-10</i>	<i>12-10-10</i>	<i>AM</i>	<i>630</i>
<i>27463 Pt</i>	<i>2</i>					ARRIVED AT JOB	<i>12-10-10</i>	<i>AM</i>	<i>1000</i>
<i>19960-19918</i>	<i>2</i>					START OPERATION	<i>12-10-10</i>	<i>AM</i>	<i>130</i>
						FINISH OPERATION	<i>12-11-10</i>	<i>AM</i>	<i>330</i>
						RELEASED	<i>12-11-10</i>	<i>AM</i>	<i>430</i>
						MILES FROM STATION TO WELL <i>100-miles</i>			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP106	AA2 Cement	SK	295		\$ 5015.00
CP106	AA2 Cement	SK	30		\$ 510.00
CC102	CELL FLAKE	lb	82		\$ 303.40
CC106	DeFoamer Powder	lb	82		\$ 348.30
CC111	SALT FINE	lb	1629		\$ 764.08
CC129	FIA-322	lb	154		\$ 1155.00
CC201	Gilsonite	lb	1622		\$ 1088.75
CF480	4 1/2" Part Collar	EA	1		\$ 300.00
CF606	Latch down Plug + Baffle 4 1/2 Blue	EA	1		\$ 370.00
CF1250	Auto Fill Float Shoe 4 1/2 Blue	EA	1		\$ 330.00
CF1650	Turbolizer 4 1/2" Blue	EA	10		\$ 850.00
CF1900	4 1/2" Basket Blue	EA	1		\$ 270.00
CF2000	Cement Scratchers cable Type 4 1/2	EA	10		\$ 700.00
CC155	Super Flush #	gal	500		\$ 765.00

SUB TOTAL
PLS 15,769.64

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT %TAX ON \$
MATERIALS RECEIVED %TAX ON \$

TOTAL
~~\$ 16,799.64~~

APR 01 2011

SERVICE REPRESENTATIVE <i>Allen F. Worth</i>	THE ABOVE MATERIAL AND SERVICES ORDERED BY CUSTOMER AND RECEIVED BY: <i>Wade King</i>
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)	

FIELD SERVICE ORDER NO.



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

KCC
MAR 31 2011
CONFIDENTIAL

FIELD SERVICE TICKET
1718 02930 A

DATE _____ TICKET NO. _____

DATE OF JOB 12-11-10		DISTRICT		NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER		LEASE		WELL NO.						
ADDRESS		COUNTY		STATE						
CITY		STATE		SERVICE CREW						
AUTHORIZED BY		JOB TYPE:								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
28972	2						12-11-10			6:00
28972	2									1:00
19720-19718	2						12-11-10			12:00
										3:30
										9:00
						MILES FROM STATION TO WELL				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	4 1/2" Pipe	EA	1	\$500.00	\$500.00
CP107	8" Pipe	EA	1	\$510.00	\$510.00
CP102	2 1/2" Flare	EA	1	\$323.40	\$323.40
CP104	2 1/2" Flare	EA	1	\$245.20	\$245.20
CP101	2 1/2" Flare	EA	1	\$769.50	\$769.50
CP103	2 1/2" Flare	EA	1	\$1150.00	\$1150.00
CP106	2 1/2" Flare	EA	1	\$1022.75	\$1022.75
CP108	4 1/2" Pipe	EA	1	\$350.00	\$350.00
CP109	2 1/2" Flare	EA	1	\$370.00	\$370.00
CP110	2 1/2" Flare	EA	1	\$200.00	\$200.00
CP111	2 1/2" Flare	EA	1	\$850.00	\$850.00
CP112	4 1/2" Basket	EA	1	\$270.00	\$270.00
CP113	2 1/2" Flare	EA	1	\$700.00	\$700.00
CP114	2 1/2" Flare	EA	1	\$760.00	\$760.00
SUB TOTAL					

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
RECEIVED		
APR 01 2011		
TOTAL		

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

KCC WICHITA



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

KCC

MAR 31 2011

FIELD SERVICE TICKET
1718 02991 A

CONFIDENTIAL

DATE _____ TICKET NO. _____

DATE OF JOB: 12/11/10		DISTRICT: P...		NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:			
CUSTOMER: [Handwritten]				LEASE: [Handwritten]				WELL NO. 1-16			
ADDRESS: [Handwritten]				COUNTY: [Handwritten]				STATE: [Handwritten]			
CITY: [Handwritten]				STATE: [Handwritten]				SERVICE CREW: [Handwritten]			
AUTHORIZED BY: [Handwritten]				JOB TYPE: [Handwritten]				[Handwritten]			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME	
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	ARRIVED AT JOB	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	START OPERATION	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	FINISH OPERATION	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	RELEASED	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	MILES FROM STATION TO WELL	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	\$ 425.00
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	\$ 1400.00
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	\$ 2456.00
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	\$ 2160.00
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	\$ 450.00
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	\$ 250.00
[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	[Handwritten]	\$ 1200.00

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APR 01 2011
KCC WICHITA

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		\$16,199.44

SERVICE REPRESENTATIVE: [Handwritten]	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Handwritten]
---------------------------------------	-----------------------------------------------------------------------------------

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

Customer Murfin Drilling Co. Inc.	Lease No.	Date
Lease Pamela	Well # 1-16	12-11-10
Field Order # 02990A	Station Pratt KS	Casing 4 1/2"
		Depth 3900'
Type Job 4 1/2" long string w/ Port Collar CWL TO 3905	Formation	County Osborne
		State KS
		Legal Description 16-10-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth 3900'	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 61.3	Volume	From	To	Pad	Min		10 Min.	
Max Press 1500 #	Max Press	From	To	Frac	Avg		15 Min.	
Well Conn PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3857.5	Packer Depth	From	To	Flush	Gas Volume		Total Load	

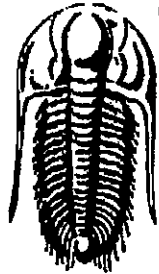
Customer Representative Kevin Axelson	Station Manager scotty	Treater Allen F. Worth
------------------------------------------	---------------------------	---------------------------

Service Units	28443	27463	19960	19918
Driver Names	A. Worth	C. Vench	DALE	Phye

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1000 pm					on loc. Discuss Safety, Setup Plan Job
					Rig Laying down Drill Collars
1030					out of hole w/ Drill Pipe - Rigdown Kelly
1150					start 4 1/2 csg 10.5# (Port collar 64)
					cent 1-2-3-5-7-9-11-13-15-63
					Basket Bottom 64 (Port Collar 1180)
					scratcher-3-#15, 3-#16, 1-#22
					3#23
145 AM					CASINGS @ 3900' Hookup + circ + Recp.
	200 #		5	5	Pump 5 BBLs H ₂ O spacer
			12	5	Pump 500gal superflush #
			5	5	Pump 5 BBL H ₂ O spacer
					Mix + pump 265 stks AA2 Blend.
					@ 15.3 #/gal.
			64 1/2		Finish mix-washout Pump Line.
315				6	Drop L.O. Plug. Start Disp.
	400 #			5	caught Lift PST w/ 30 BBLs out
330	1500		63	4	Plug down
	0 #				Release PST OK
					Plug Rat Hole w/ 30 stks
					washup + Rack up.
430					Job complete. / thanks Allen, Chris, Dale

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APR 01 2011

KCC WICHITA



**TRILOBITE
TESTING, INC.**

**KCC
MAR 31 2011
CONFIDENTIAL**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N Water Ste 300
Wichita, KS 67202

ATTN: Paul Gunzelman

16-10-14 Osborne, KS

Pamela 1-16

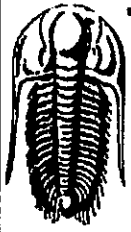
Start Date: 2010.12.05 @ 19:40:51

End Date: 2010.12.06 @ 01:42:21

Job Ticket #: 41337 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED
APR 01 2011
KCC WICHITA**



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

Pamela 1-16

250 N Water Ste 300
Wichita, KS 67202

16-10-14 Osborne, KS

Job Ticket: 41337

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2010.12.05 @ 19:40:51

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:12:51

Time Test Ended: 01:42:21

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 42

Interval: **2932.00 ft (KB) To 2950.00 ft (KB) (TVD)**

Total Depth: 2950.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1985.00 ft (KB)

1980.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6625**

Inside

Press@RunDepth: 27.06 psig @ 2934.00 ft (KB)

Start Date: 2010.12.06

End Date:

2010.12.07

Start Time: 19:40:56

End Time:

01:42:20

Capacity: 8000.00 psig

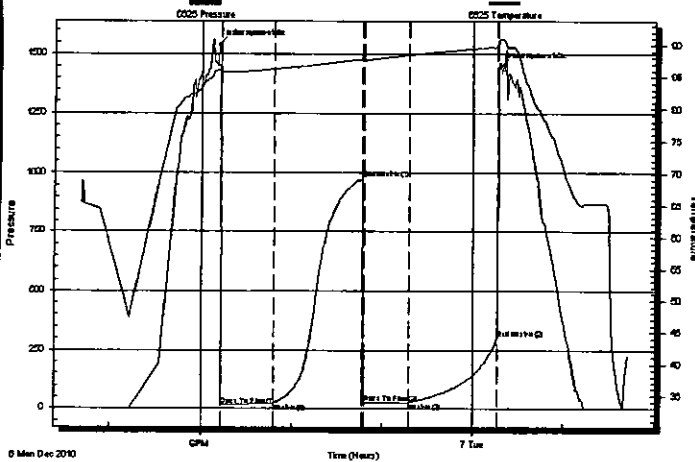
Last Calib.: 2010.12.07

Time On Btrn: 2010.12.06 @ 21:11:21

Time Off Btrn: 2010.12.07 @ 00:18:51

TEST COMMENT: IF-3/4in blow
ISI-No blow
FF-1/2in blow
FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

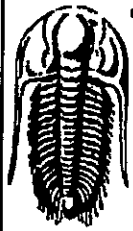
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1539.27	86.03	Initial Hydro-static
2	12.87	85.42	Open To Flow (1)
37	20.80	86.22	Shut-In(1)
96	976.77	87.83	End Shut-In(1)
97	24.03	87.61	Open To Flow (2)
127	27.06	88.46	Shut-In(2)
186	299.35	89.75	End Shut-In(2)
188	1446.07	90.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	VSOCM 5%O 95%M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

Pamela 1-16

250 N Water Ste 300
Wichita, KS 67202

16-10-14 Osborne, KS

Job Ticket: 41337

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2010.12.05 @ 19:40:51

Tool Information

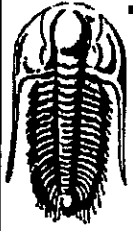
Drill Pipe:	Length: 2913.00 ft	Diameter: 3.80 inches	Volume: 40.86 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 44000.00 lb
			Total Volume: 41.01 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	2932.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			2910.00	
Shut In Tool	5.00			2915.00	
Hydraulic tool	5.00			2920.00	
Safety Joint	2.00			2922.00	
Packer	5.00			2927.00	23.00 Bottom Of Top Packer
Packer	5.00			2932.00	
Stubb	1.00			2933.00	
Perforations	1.00			2934.00	
Recorder	0.00	6625	Inside	2934.00	
Recorder	0.00	8652	Outside	2934.00	
Perforations	13.00			2947.00	
Bulnose	3.00			2950.00	18.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Pamela 1-16

250 N Water Ste 300
Wichita, KS 67202

16-10-14 Osborne, KS

Job Ticket: 41337

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2010.12.05 @ 19:40:51

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	VSOCM 5%O 95%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

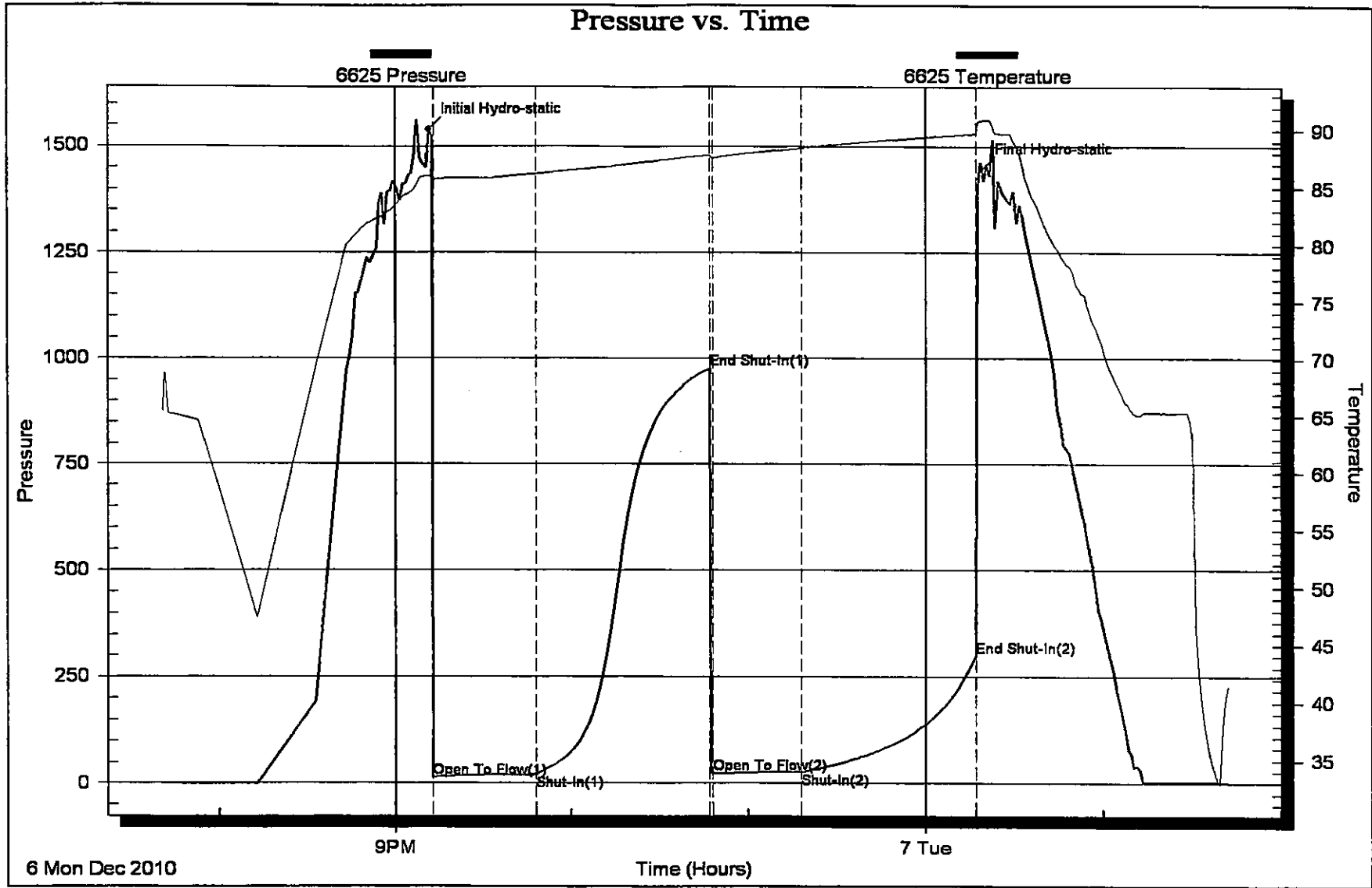
Num Gas Bombs: 0

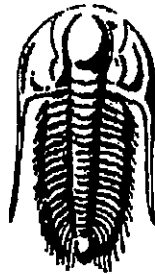
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N Water Ste 300
Wichita, KS 67202

ATTN: Paul Gunzelman

16-10-14 Osborne, KS

Pamela 1-16

Start Date: 2010.12.08 @ 08:15:16

End Date: 2010.12.08 @ 16:05:46

Job Ticket #: 41338 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Murfin Drilling Co. Inc.

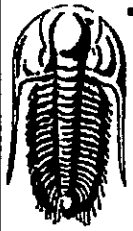
Pamela 1-16

16-10-14 Osborne, KS

DST # 2

KC "A-B"

2010.12.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

Pamela 1-16

250 N Water Ste 300
Wichita, KS 67202

16-10-14 Osborne, KS

Job Ticket: 41338

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2010.12.08 @ 08:15:16

GENERAL INFORMATION:

Formation: **KC "A-B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:46

Time Test Ended: 16:05:46

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 42

Interval: **3192.00 ft (KB) To 3252.00 ft (KB) (TVD)**

Total Depth: 3252.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1985.00 ft (KB)

1980.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 41.86 psig @ 3202.00 ft (KB)

Start Date: 2010.12.08

End Date:

2010.12.08

Start Time: 08:15:21

End Time:

16:05:45

Capacity: 8000.00 psig

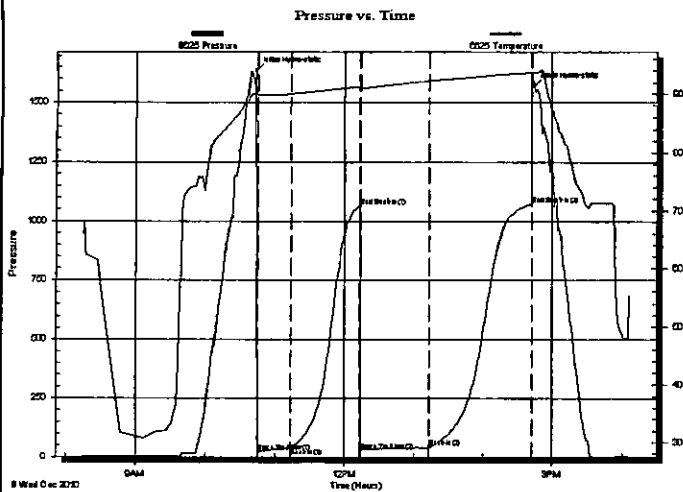
Last Calib.: 2010.12.08

Time On Btm: 2010.12.08 @ 10:42:46

Time Off Btm: 2010.12.08 @ 14:44:16

TEST COMMENT: IF-3 1/4 in blow
ISI-No blow
FF-BOB in 35 min
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.12	90.15	Initial Hydro-static
1	22.19	89.92	Open To Flow (1)
30	39.18	90.04	Shut-In(1)
91	1065.21	91.29	End Shut-In(1)
92	27.82	91.07	Open To Flow (2)
151	41.86	92.29	Shut-In(2)
240	1072.02	93.65	End Shut-In(2)
242	1567.54	93.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 15%G 20%O 65%M	0.57
0.00	60ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

Pamela 1-16

250 N Water Ste 300
Wichita, KS 67202

16-10-14 Osborne, KS

Job Ticket: 41338

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2010.12.08 @ 08:15:16

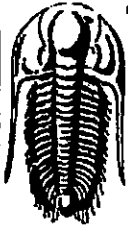
Tool Information

Drill Pipe:	Length: 3168.00 ft	Diameter: 3.80 inches	Volume: 44.44 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 44.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3192.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3170.00	
Shut In Tool	5.00			3175.00	
Hydraulic tool	5.00			3180.00	
Safety Joint	2.00			3182.00	
Packer	5.00			3187.00	23.00 Bottom Of Top Packer
Packer	5.00			3192.00	
Stubb	1.00			3193.00	
Perforations	9.00			3202.00	
Recorder	0.00	6625	Inside	3202.00	
Recorder	0.00	8652	Outside	3202.00	
Change Over Sub	1.00			3203.00	
Drill Pipe	32.00			3235.00	
Change Over Sub	1.00			3236.00	
Perforations	13.00			3249.00	
Bullnose	3.00			3252.00	60.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Pamela 1-16

250 N Water Ste 300
Wichita, KS 67202

16-10-14 Osborne, KS

Job Ticket: 41338

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2010.12.08 @ 08:15:16

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 15%G 20%O 65%M	0.568
0.00	60ft GIP	0.000

Total Length: 60.00 ft Total Volume: 0.568 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

