

CONFIDENTIAL

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

RECEIVED ORIGINAL
Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled
JUL 21 2010
KCC WICHITA 7/20/12

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: Brad Rine
Purchaser: None

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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 #: _____

04/02/10 04/09/10 04/10/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 195-22645-0000
Spot Description: _____
NW NE SW SW Sec. 16 Twp. 12 S. R. 24 East West
1,150 Feet from North / South Line of Section
750 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Trego
Lease Name: Dietz J Well #: 1-16
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 2473 Kelly Bushing: 2484
Total Depth: 4400 Plug Back Total Depth: None
Amount of Surface Pipe Set and Cemented at: 225 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 #: _____

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: _____
Title: VP Production Date: 07/20/10

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 7/20/10 - 7/20/12
 Confidential Release Date: _____
 Wireline Log Received OK
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NR Date: 7-20-10
PA

Operator Name: Murfin Drilling Company, Inc. Lease Name: Dietz J Well #: 1-16
 Sec. 16 Twp. 12 S. R. 24 East West County: Trego

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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

See Attached List

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List All E. Logs Run:
 Dual Induction, Compensated Porosity,
 Microresistivity

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#	225	Common	150	3% cc, 2% gel

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

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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	---	--

Formation	MDCI Dietz 'J' #1-16 1150 FSL 750 FWL Sec. 16-T12S-R24W 2484' KB				MDCI Hendricks #2-16 100 FNL 2310 FWL Sec. 16-T12S-R24W 2478' KB			Gulf Oil Corp. (Plugged) #1 Brandenburg C NE SW Sec. 16-T12S-R24W 2491' KB		
	Sample top	Datum	Log Top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	2030	+454	2030	+454	+18	2042	+436	+9	2045	+445
B/Anhydrite	2075	+409	2075	+409	+14	2083	+395	+10	2092	+399
Topeka	3581	-1097	3580	-1096	+10	3584	-1106	+17	3604	-1113
Heebner	3807	-1323	3804	-1320	+12	3810	-1332	+19	3830	-1339
Toronto	3828	-1344	3825	-1341	+13	3832	-1354	+20	3852	-1361
Lansing	3842	-1358	3840	-1356	+11	3845	-1367	+20	3867	-1376
BKC	4100	-1616	4093	-1609	+8	4095	-1617	+20	4120	-1629
Pawnee	4226	-1742	4223	-1739		NDE	NDE	+26	4256	-1765
Fort Scott	4294	-1810	4293	-1809		NDE	NDE	+28	4326	-1837
Cherokee	4317	-1833	4316	-1832		NDE	NDE	+25	4348	-1857
Mississippi	4391	-1907	NDE			NDE	NDE	+22	4420	-1929
RTD	4400	-1916				4145	-1667		4475	-1984
LTD			4400	-1916		4146	-1668		4453	-1962

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JUL 21 2010
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Quality Oilwell Cementing Inc.

acct. serv.
Invoice

740-W WICHITA
P.O. Box 32
Russell, KS 67665

Date	Invoice #
4/5/2010	2431

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JUL 21 2010

KCC WICHITA

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JUL 20 2010

USED FOR _____

APPROVED _____

Bill To
Murfin Drilling Company P.O. Box 288 Russell Ks 67665

*operator pay
MAC
BT*

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
150	common	10.50	1,575.00
3	GEL	17.00	51.00
5	Calcium	42.00	210.00
158	handling	2.00	316.00
1	MILEAGE CHARGE	350.00	350.00
1	surface pipes 0-500ft	450.00	450.00
44	pump truck mileage charge	7.00	308.00
367	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-367.00
285	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-285.00
	LEASE: <u>DIETZ J WELL #1-16</u>		
	Trego county Sales Tax	5.80%	85.20
Thank you for your business. Dave		Total	\$2,693.20

(circled signature)

(handwritten signature)

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

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

No. *1111*

Date <i>4-2-10</i>	Sec. <i>16</i>	Twp. <i>16</i>	Range <i>11</i>	County <i>Thomas</i>	State <i>Kan</i>	On Location	Finish
Lease <i>12-1-10</i>	Well No. <i>1-1-10</i>	Location <i>7-4-10</i>					
Contractor <i>Quality Oilwell Cementing, Inc.</i>				Owner <i>...</i>			
Type Job <i>...</i>	T.D. <i>238</i>			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 <i>10 1/2</i>	Depth <i>238</i>			Charge To <i>...</i>			
Csg. <i>10 1/2</i>	Depth <i>238</i>			Street <i>...</i>			
Tbg. Size	Depth			City <i>...</i> State <i>KCC</i>			
Tool	Depth			City <i>...</i> State <i>KCC</i>			
Cement Left in Csg. <i>10</i>	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	Displace			Cement Amount Ordered <i>...</i>			

EQUIPMENT

Pumptrk	No.	Cementer		Common	<i>150 @ 10.50</i>	<i>1575.00</i>
		Helper				
Bulktrk	No.	Driver		Poz. Mix		
		Driver				
Bulktrk	No.	Driver		Gel.	<i>3 @ 17.00</i>	<i>51.00</i>
		Driver				

JOB SERVICES & REMARKS

Remarks:	Hulls	
Rat Hole	Salt	
Mouse Hole	Flowseal	
Centralizers	Kol-Seal	RECEIVED
Baskets	Mud CLR 48	JUL 21 2010
D/V or Port Collar	CFL-117 or CD110 CAF 38	KCC WICHITA
	Sand	
	Handling	<i>158 @ 7.00</i>
	Mileage	<i>350.00</i>

FLOAT EQUIPMENT

	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	

	Pumptrk Charge	<i>570</i>	<i>450.00</i>
	Mileage	<i>44 @ 7.00</i>	<i>308.00</i>
			Tax <i>85.20</i>
			Discount <i>(652.00)</i>
			Total Charge <i>2693.20</i>

X Signature *...*



Quality Oilwell Cementing, Inc
 740 Wichita Avenue
 PO Box 32
 Russell, KS 67665
 Phone # 785-324-1041

Jug
Invoice
acct

Date 4/13/2010	Invoice # 3949
Terms Net 30	
Due Date	5/13/2010

PROD COPY

Bill To
Murfin Drilling Company P.O. Box 288 Russell Ks 67665

USED FOR _____

APPROVED _____

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JUL 20 2010

KCC

*operator pay
mdc*

P.O. No.

Quantity	Description	Amount
132	Common	1,452.00T
88	POZ	616.00T
8	GEL	148.00T
55	Celloscal	110.00T
228	Handling of Product	456.00T
1	MILEAGE	525.00T
1	Pump Truck Charge-Plugging	750.00T
44	Pump Truck Charge-Milcage	308.00T
655	DISCOUNT-Only Applicable if payment is received within terms from Invoice Date	-655.00T
	LEASE: DIETZ J WELL #16 <i>Dietz J 1-16</i>	
	Trego County Sales Tax	215.18
		RECEIVED
		JUL 21 2010
		KCC WICHITA

Account	No	Amount	Description
<i>03600</i>	<i>020 W 3629</i>	<i>3925.18</i>	<i>PTA</i>

Thank you for your business.

Total

\$3,925.18

[Signature]

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

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

No. 8949

Date	4-10-10	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Duke	Well No.	116	Location	Wichita	5412 E. Embury		
Contractor	Marty T. Tilling		Owner					
Type Job	Dry Hole		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	7 7/8	T.D.	4420	Charge To	Marty T. Tilling Co			
Csg.		Depth		Street				
Tbg. Size		Depth		City	State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered				
Meas Line		Displace		220 cbls 48' (incl) 5412 E. Embury				

EQUIPMENT

Pumptrk	9	No.	Cementer	Common	132 @ 11.00	1452.00
			Helper			
Bulktrk	3	No.	Driver	Poz. Mix	88 @ 7.00	616.00
			Driver			
Bulktrk		No.	Driver	Gel.	8 @ 18.50	148.00
			Driver			

JOB SERVICES & REMARKS

Remarks:	Calcium	
Rat Hole	Hulls	
Mouse Hole	Salt	
Centralizers	Flowseal	55 @ 2.00 = 110.00
Baskets	Kol-Seal	
D/V or Port Collar	Mud CLR 48	
	CFL-117 or CD110 CAF 38	
	Sand	
	Handling	228 @ 2.00 = 456.00
	Mileage	525.00

FLOAT EQUIPMENT

	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	

	Pumptrk Charge	plug	750.00
	Mileage	44 @ 7.00	305.00
	Tax		215.18
	Discount		(655.00)
	Total Charge		3925.18

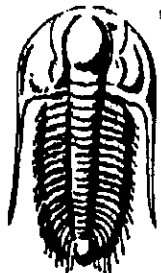
X
Signature

CONFIDENTIAL
JUL 20 2010

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JUL 21 2010

KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Brad Rine

16 12S 24W Trego KS

Dietz "J" #1-16

Start Date: 2010.04.07 @ 18:52:33

End Date: 2010.04.08 @ 04:41:33

Job Ticket #: 37130 DST #: 1

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KCC WICHITA

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

Murfin Drilling Co., Inc.

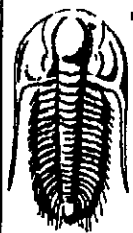
Dietz "J" #1-16

16 12S 24W Trego KS

DST # 1

"J-K-L"

2010.04.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Brad Rine

Dietz "J" #1-16

16 12S 24W Trego KS

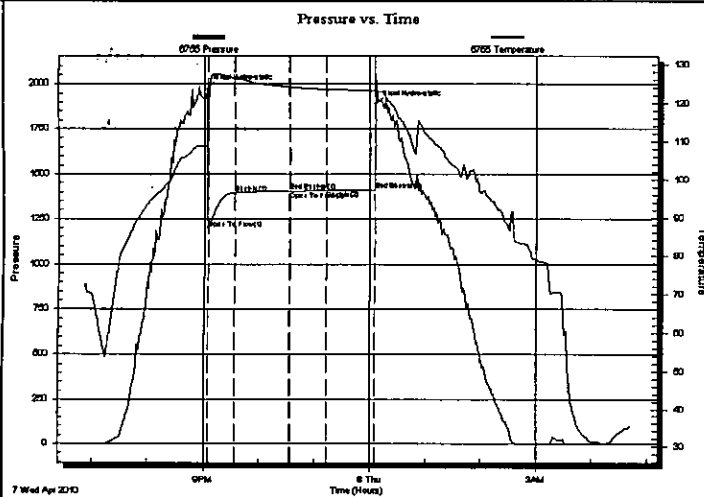
Job Ticket: 37130 **DST#: 1**
Test Start: 2010.04.07 @ 18:52:33

GENERAL INFORMATION:

Formation: "I-J-K-L"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:04:03
Time Test Ended: 04:41:33
Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32
Interval: 4004.00 ft (KB) To 4105.00 ft (KB) (TVD)
Reference Elevations: 2484.00 ft (KB)
Total Depth: 4105.00 ft (KB) (TVD)
2473.00 ft (CF)
Hole Diameter: 7.80 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 6755 Inside
Press@RunDepth: 1407.64 psig @ 4072.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.04.07 End Date: 2010.04.08 Last Calib.: 2010.04.08
Start Time: 18:52:35 End Time: 04:41:33 Time On Btm: 2010.04.07 @ 21:03:33
Time Off Btm: 2010.04.08 @ 00:06:33

TEST COMMENT: IFF-Strong, BOB in 30 Seconds
ISI-Dead
FFP-Fair Blow, Built to 6"
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.90	108.95	Initial Hydro-static
1	1196.93	108.89	Open To Flow (1)
30	1395.04	126.41	Shut-In(1)
90	1405.11	124.27	End Shut-In(1)
90	1402.53	124.19	Open To Flow (2)
130	1407.64	123.60	Shut-In(2)
182	1409.33	123.28	End Shut-In(2)
183	1891.06	123.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2108.00	Salt Water	27.90
837.00	VSOCVM-2%O-15%W-83%M	11.74

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

Dietz "J" #1-16

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Brad Rine

16 12S 24W Trego KS

Job Ticket: 37130 **DST#: 1**

Test Start: 2010.04.07 @ 18:52:33

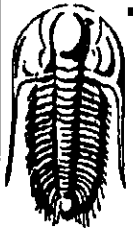
Tool Information

Drill Pipe:	Length: 3816.00 ft	Diameter: 3.80 inches	Volume: 53.53 bbl	Tool Weight: 2000.00 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 54.43 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4004.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	101.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3977.00	
Shut in Tool	5.00			3982.00	
Hydraulic tool	5.00			3987.00	
Jars	5.00			3992.00	
Safety Joint	2.00			3994.00	
Packer	5.00			3999.00	28.00 Bottom Of Top Packer
Packer	5.00			4004.00	
Stubb	1.00			4005.00	
Perforations	2.00			4007.00	
Change Over Sub	1.00			4008.00	
Blank Spacing	63.00			4071.00	
Change Over Sub	1.00			4072.00	
Recorder	0.00	6755	Inside	4072.00	
Recorder	0.00	8360	Outside	4072.00	
Perforations	30.00			4102.00	
Bullnose	3.00			4105.00	101.00 Bottom Packers & Anchor
Total Tool Length:	129.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.
250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Brad Rine

Dietz "J" #1-16
16 12S 24W Trego KS
Job Ticket: 37130 **DST#: 1**
Test Start: 2010.04.07 @ 18:52:33

Mud and Cushion Information

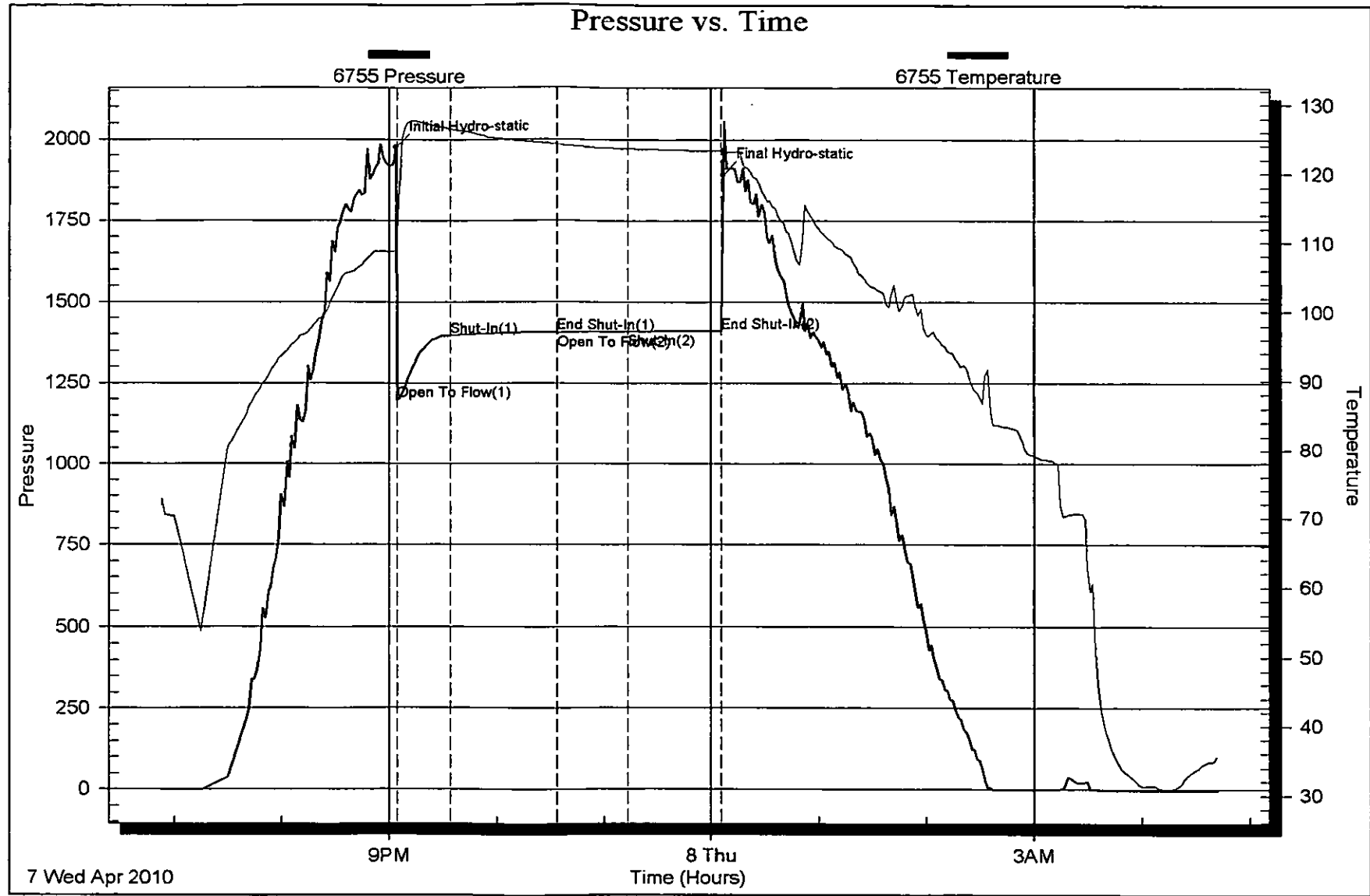
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	190000 ppm
Viscosity: 69.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

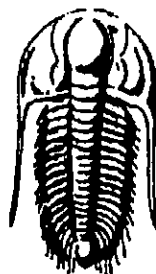
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2108.00	Salt Water	27.903
837.00	VSOCMM-2%O-15%W-83%M	11.741

Total Length: 2945.00 ft Total Volume: 39.644 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Oil w as spotted to free stuck pipe, Mud Is Oily.
 RW.104 @ 35F = 190000ppm chlorides





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Brad Rine

16 12S 24W Trego KS

Dietz "J" #1-16

Start Date: 2010.04.09 @ 00:59:54

End Date: 2010.04.09 @ 09:52:24

Job Ticket #: 37131 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co., Inc.

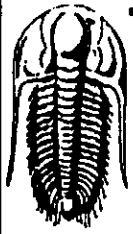
Dietz "J" #1-16

16 12S 24W Trego KS

DST # 2

Fort Scott

2010.04.09



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Brad Rine

Dietz "J" #1-16

16 12S 24W Trego KS

Job Ticket: 37131

DST#: 2

Test Start: 2010.04.09 @ 00:59:54

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 03:25:24

Time Test Ended: 09:52:24

Interval: **4268.00 ft (KB) To 4325.00 ft (KB) (TVD)**

Total Depth: **4325.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Reference Elevations: **2484.00 ft (KB)**

2473.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6755**

Inside

Press@RunDepth: **49.98 psig @ 4304.00 ft (KB)**

Start Date: **2010.04.09**

End Date:

2010.04.09

Start Time: **00:59:56**

End Time:

09:52:24

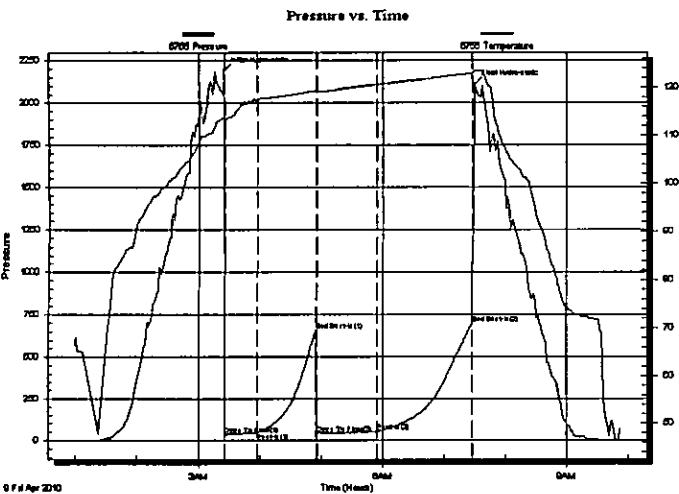
Capacity: **8000.00 psig**

Last Calib.: **2010.04.09**

Time On Btm: **2010.04.09 @ 03:24:54**

Time Off Btm: **2010.04.09 @ 07:29:24**

TEST COMMENT: IFR-Weak Blow ,Built to 1/8"
ISL-Dead
FFR-Weak Blow ,Built to 1/2"
FSL-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.30	113.75	Initial Hydro-static
1	34.35	112.86	Open To Flow (1)
33	46.82	117.00	Shut-In(1)
91	655.96	119.33	End Shut-In(1)
92	42.65	119.14	Open To Flow (2)
150	49.98	120.56	Shut-In(2)
243	694.57	122.84	End Shut-In(2)
245	2110.87	123.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOQM-10% O-90%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.

Dietz "J" #1-16

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Brad Rine

16 12S 24W Trego KS
Job Ticket: 37131 DST#: 2
Test Start: 2010.04.09 @ 00:59:54

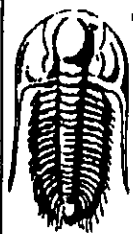
Tool Information

Drill Pipe:	Length: 4069.00 ft	Diameter: 3.80 inches	Volume: 57.08 bbl	Tool Weight: 2000.00 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Full Loose: 60000.00 lb
		Total Volume: 57.98 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4268.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4241.00	
Shut In Tool	5.00			4246.00	
Hydraulic tool	5.00			4251.00	
Jars	5.00			4256.00	
Safety Joint	2.00			4258.00	
Packer	5.00			4263.00	28.00 Bottom Of Top Packer
Packer	5.00			4268.00	
Stubb	1.00			4269.00	
Perforations	2.00			4271.00	
Change Over Sub	1.00			4272.00	
Blank Spacing	31.00			4303.00	
Change Over Sub	1.00			4304.00	
Recorder	0.00	6755	Inside	4304.00	
Recorder	0.00	8360	Outside	4304.00	
Perforations	18.00			4322.00	
Bullnose	3.00			4325.00	57.00 Bottom Packers & Anchor
Total Tool Length:	85.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Dietz "J" #1-16

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Brad Rine

16 12S 24W Trego KS
Job Ticket: 37131 DST#: 2
Test Start: 2010.04.09 @ 00:59:54

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM-10% O-90%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:

