

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

6/19/11

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 30606
 Name: Murfin Drilling Company, Inc.
 Address: 250 N. Water, Suite 300
 City/State/Zip: Wichita, Kansas 67202
 Purchaser: None
 Operator Contact Person: Leon Rodak
 Phone: (316) 267-3241
 Contractor: Name: Murfin Drilling Company, Inc.
 License: 30606
 Wellsite Geologist: Paul Gunzelman
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

02/23/09	03/02/09	03/04/09
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

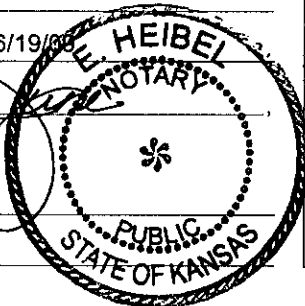
API No. 15 - 033-21549-0000
 County: Comanche
W2 E2 E2 NW Sec. 8 Twp. 33 S. R. 20 East West
1320 FNL feet from S (N) (circle one) Line of Section
2100 FWL feet from E (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Kissel A Well #: 1-8
 Field Name: Wildcat
 Producing Formation: None
 Elevation: Ground: 1857 Kelly Bushing: 1868
 Total Depth: 5340 Plug Back Total Depth: None
 Amount of Surface Pipe Set and Cemented at 628 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 PANJ 7-23-09
 (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 No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

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.

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: Leon Rodak, VP Production Date: 06/19/09
 Subscribed and sworn to before me this _____ day of _____
 2009
 Notary Public: _____
 Date Commission Expires: 4/1/2011



KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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Operator Name: Murfin Drilling Company, Inc. Lease Name: Kissel A Well #: 1-8
Sec. 8 Twp. 33 S. R. 20 East West County: Comanche

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHED LIST		
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:	Dual Induction, Compensated Porosity, Microresistivity			

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
Conductor		22"		100		8 yds	
Surface		8 5/8	24#	628	Common	275	

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

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TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	------	--------	-----------	---

Date of First, Resumed Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
---	---

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

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

CORRELATION

JUN 10 2009

Kissel A #1-8 1320 FNL 2100 FWL Sec. 8-T33S-R20W Comanche County, Kansas 1868' KB							Seyfert A #1-9 X 1400 FNL 1075 FWL Sec. 9-T33S-R20W Comanche, Kansas 1836' KB	
Formations	Sample Tops	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Wabaunsee								
Heebner	4198	-2330	+14	4194	-2326	+18	4180	-2344
Lansing	4396	-2528	+15	4388	-2520	+23	4379	-2543
Stark	4790	-2922	+9	4784	-2916	+15	4767	-2931
Marmaton	4905	-3037	+13	4900	-3032	+18	4886	-3050
Pawnee	5028	-3160	+12	5021	-3153	+19	5008	-3172
Cherokee	5112	-3244	+10	5106	-3238	+16	5090	-3254
Base Inola	5179	-3311	+15	5177	-3309	+17	5162	-3326
1 st Morrow Sand	5212	-3344	+32	5206	-3338	+38	5212	-3376
Mississippian	5270	-3402	+18	5268	-3400	+20	5256	-3420
RTD	5340	-3472					5350	-3514
LTD				5334	-3466		5348	-3512

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energy services

USED FOR *New Well Drilling*

Pratt

APPROVED *[Signature]*

PAGE 1 of 1	CUST NO 1970-MUR009	INVOICE DATE 02/25/2009
INVOICE NUMBER 1970003154		

B
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L
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T
O

MURFIN DRILLING
P O BOX 288
RUSSELL KS 67605
ATTN:

J
O
B
S
I
T
E

LEASE NAME Kissel
WELL NO. A 1-8
COUNTY Comanche
STATE KS
JOB DESCRIPTION Cement-New Well Casing/Pipe
JOB CONTACT

COMMANCHE
JUN 19 2009

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
1970-03156	301		Net 30 DAYS	03/27/2009
For Service Dates: 02/24/2009 to 02/24/2009				
1970-03156				
1970-19543 Cement-New Well Casing 2/24/09				
Pump Charge-Hourly			1.00 Hour	1200.000 1,200.00
Depth Charge; 501'-1000'			1.00 EA	250.000 250.00
Cementing Head w/Manifold				
Plug Container Utilization				
Charge				
Cement Float Equipment			1.00 EA	315.000 315.00
8 5/8" Basket				
Cement Float Equipment			1.00 EA	225.000 225.00
Top Rubber Cement Plug				
Mileage			275.00 DH	1.400 385.00
Blending and Mixing Service				
Charge				
Mileage			140.00 DH	7.000 980.00
Heavy Equipment Mileage				
Mileage			907.00 DH	1.600 1,451.20
Proppant and Bulk Delivery				
Charges				
Pickup			70.00 Hour	4.250 297.50
Unit Mileage Charge(Pickups,				
Vans, or Cars)				
Additives			69.00 EA	3.700 255.30 T
Cello-flake				
Additives			236.00 EA	0.250 59.00 T
Cement Gel				
Calcium Chloride			777.00 EA	1.050 815.85 T
Cement			150.00 EA	18.000 2,700.00 T
A-Con Blend Common				
Cement			125.00 EA	16.000 2,000.00 T
Common				
Supervisor			1.00 Hour	175.000 175.00
Service Supervisor Charge				

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PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	BID DISCOUNT	-4,776.81
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	SUBTOTAL	6,332.04
PO BOX 841903	PO BOX 10460	TAX	176.13
DALLAS, TX 75284-1903	MIDLAND, TX 79702	INVOICE TOTAL	6,508.17

Protect in 2 1/4 W - 1/2 S - 1/2 E X N with ICA-13

JUN 18 2009

BASIC

energy services, L.P.

FIELD ORDER 19543

Subject to Correction

Date 2-24-09		Customer ID		Lease Kissel	Well # A1-R	Legal 8-33-20	
C H A R G E		Mudwin Drilling		County Comanche	State KS	Station Pratt	
		Depth 628	Formation		Shoe Joint 42		
		Casing 2 5/8 2"	Casing Depth 628	TD 628	Job Type CNUW-Subaru		
Customer Representative				Treater Steve Orleans			

AFE Number _____ PO Number _____ Materials Received by **X** _____ PLS

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP101	1505.4	A-Con Blend	/	2700.00
P	CP100	125.4	Comanche	/	2000.00
P	CC100	694.6	Calcium Chloride	/	255.30
P	CC109	777.6	Calcium Chloride	/	815.85
P	CC210	236.6	Cement Gel	/	57.00
P	CS105	1.0	Top Rubber Plug 8 3/8"	/	225.00
P	CS1903	1.0	8 3/8" Basket	/	315.00
P	E101	1400.0	Honey Equipment mileage		980.00
P	E113	907.0	Bulk Drilling		1451.00
P	E100	70.0	Pickup Mileage		277.50
P	CE240	275.4	Cement Service Charge		385.00
P	SC03	1.0	Service Supervisor		175.00
P	CE201	1.0	Ditch Charge 501-1000		1200.00
P	CE504	1.0	Plug Cement		25.00
			Mileage 1.0 @ 673.20		673.20
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3041 18 2009

TREATMENT REPORT

Customer Musick Drilling		Lease No.		Date 2-24-09	
Lease K-331		Well # A1-3			
Field Order # 13543	Station Pratt	Casing 8 7/8"	Depth 678	County Comanche	State KS
Type Job C.N.W. - Surface			Formation	Legal Description 8-5-20	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
7 7/8"		150	Acid	Blind 250			Max	5 Min.
Depth 678	Depth	From 12	To 540	Pre Pad 1.30			Min	10 Min.
Volume	Volume	From	To	Pad			Avg	15 Min.
Max Press	Max Press	From	To	Frac			HHP Used	Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush 39			Gas Volume	Total Load
Plug Depth 678	Packer Depth	From	To					

Customer Representative				Station Manager Drew Scott				Treater Shane O'Leary			
Service Units	17283	17842	17789	17233	21010						
Driver Names	Oilman	J. J. J.	J. J. J.	J. J. J.	J. J. J.						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					Datameter - Safety Meter
					Run 8 7/8" 51' casing
					Basket Set 10.0' from surface
					Casing in Position
					Break Circ w/R.
6:55	350		5	5	Hard All-out
6:56	350		68	5	Max 15.000 Ann. Blind on 1 1/2" C 1
7:10	150		30	5	mit 12.000 Ann. Blind on 1 1/2" C 1
					Shut Down - Retract plug
7:00	200		6	5	Shut in place
7:08	300		31	5	Conduct to Surface
7:30	300		39	4	plug down
					Jan 1 on pipe
					Treat 15000
					Circulation time 7.5
					Conduct 13456 1.00

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Pratt

PAGE 1 of 1	CUST NO 1970-MUR009	INVOICE DATE 03/05/2009
INVOICE NUMBER 1970003178		

B I L L T O
 MURFIN DRILLING
 P O BOX 288
 RUSSELL KS 67605
 ATTN:

J O B S I T E
 LEASE NAME Kissel A
 WELL NO. 1-8
 COUNTY Comanche
 STATE KS
 JOB DESCRIPTION Cement-New Well Casing/Pipe
 JOB CONTACT
 PROD COPY

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
1970-03180	301		Net 30 DAYS	04/04/2009

For Service Dates: 03/04/2009 to 03/04/2009
 1970-03180

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
1970-19296 Cement-New Well Casing 3/4/09				
Pump Charge-Hourly	1.00	Hour	1200.000	1,200.00
Depth Charge; 501'-1000'				
Mileage	210.00	DH	1.400	294.00
Blending and Mixing Service Charge				
Mileage	140.00	DH	7.000	980.00
Heavy Equipment Mileage				
Mileage	634.00	DH	1.600	1,014.40
Proppant and Bulk Delivery Charges				
Pickup	70.00	Hour	4.250	297.50
Unit Mileage Charge(Pickups, Vans, or Cars)				
Additives	362.00	EA	0.250	90.50 T
Cement Gel				
Cement	210.00	EA	12.000	2,520.00 T
60/40 POZ				
Supervisor	1.00	Hour	175.000	175.00
Service Supervisor Charge				

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USED FOR P+H
 APPROVED [Signature]

Account	Unit Rig	W L	No.	Amount	Description
03000	020	20	3464	4361.34	P+H

REC WICHITA

PLEASE REMIT TO:
 BASIC ENERGY SERVICES, LP
 PO BOX 841903
 DALLAS, TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
 BASIC ENERGY SERVICES, LP
 PO BOX 10460
 MIDLAND, TX 79702

BID-DISCOUNT	-2,299.99
SUBTOTAL	4,271.41
TAX	89.93
INVOICE TOTAL	4,361.34

JUN 19 2008

Customer: Martin Drilling Company, Incorporated Lease No. _____ Date: 3-5-09
 Lease: Drach Well # B-2-1
 Field Order # 14284 Station Pratt Casing 5 1/2 Depth 3801 Feet County Stafford State KS
 Type Job CCSPW-Squeeze Perforations Formation Arbuckle Legal Description 1-225-13W

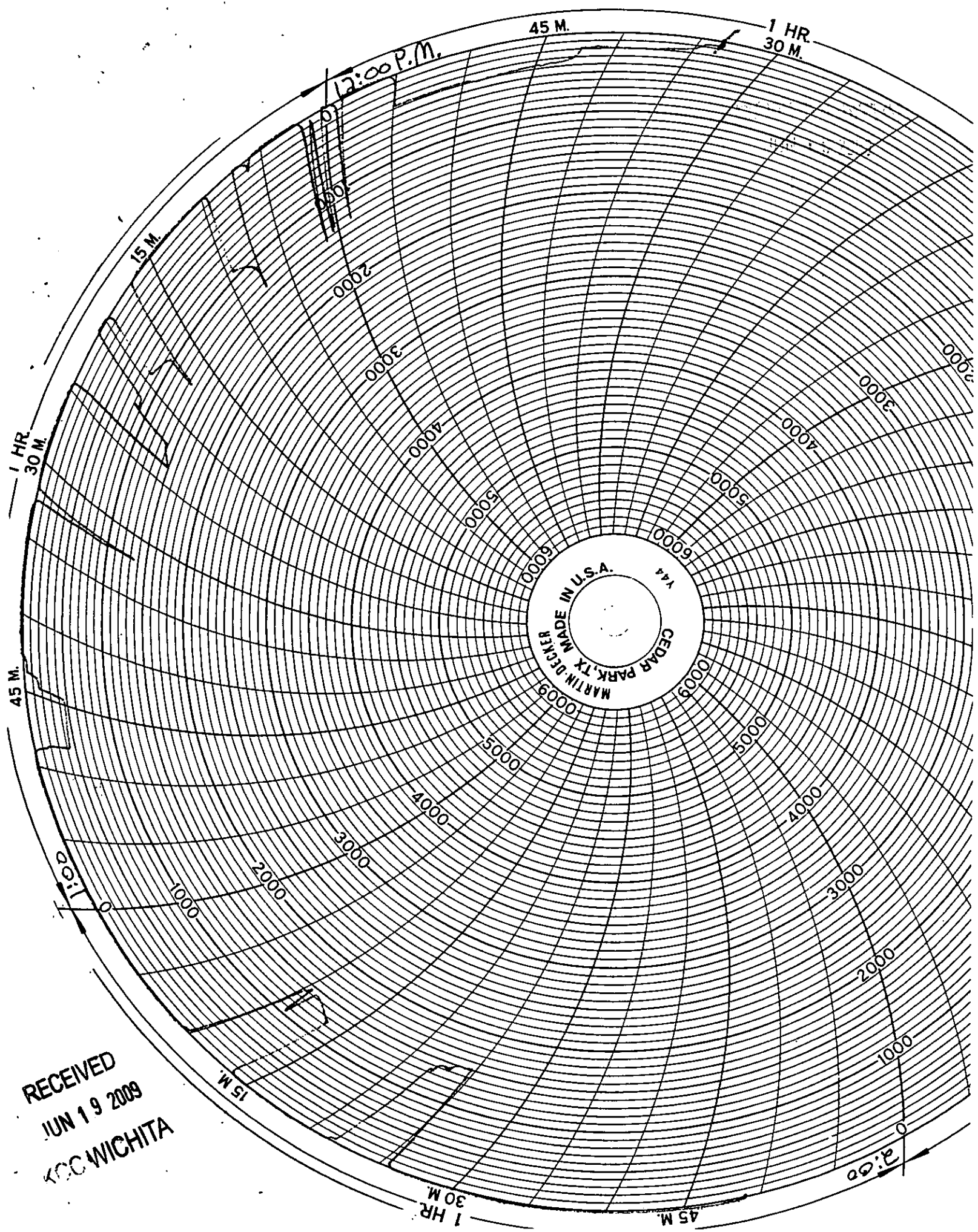
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <u>5 1/2</u>	Tubing Size <u>2 7/8</u>	Shots/Ft		<u>25</u> sacks	Rate	Press	ISIP	
Depth <u>3801</u> Feet	Depth <u>3587</u> Ft	From <u>3678</u> Ft	To <u>3687</u> Ft	<u>25</u> sacks	Max		<u>5</u> Min.	
Volume <u>40.5</u> Bbl.	Volume <u>20.8</u> Bbl.	From	To		Min		<u>10</u> Min.	
Max Press	Max Press	From	To		Avg		<u>15</u> Min.	
Well Connection <u>8 7/8</u>	Annulus Vol <u>56.7</u> Bbl.	From	To		HHP Used		Annulus Pressure	
Plug Depth <u>17 1/2</u>	Packer Depth <u>3587</u> Ft.	From	To	Flush <u>23</u> Bbl. Fresh Water	Gas Volume		Total Load	

Customer Representative Mark Robben Station Manager David Scott Treater Clarence R. Messick

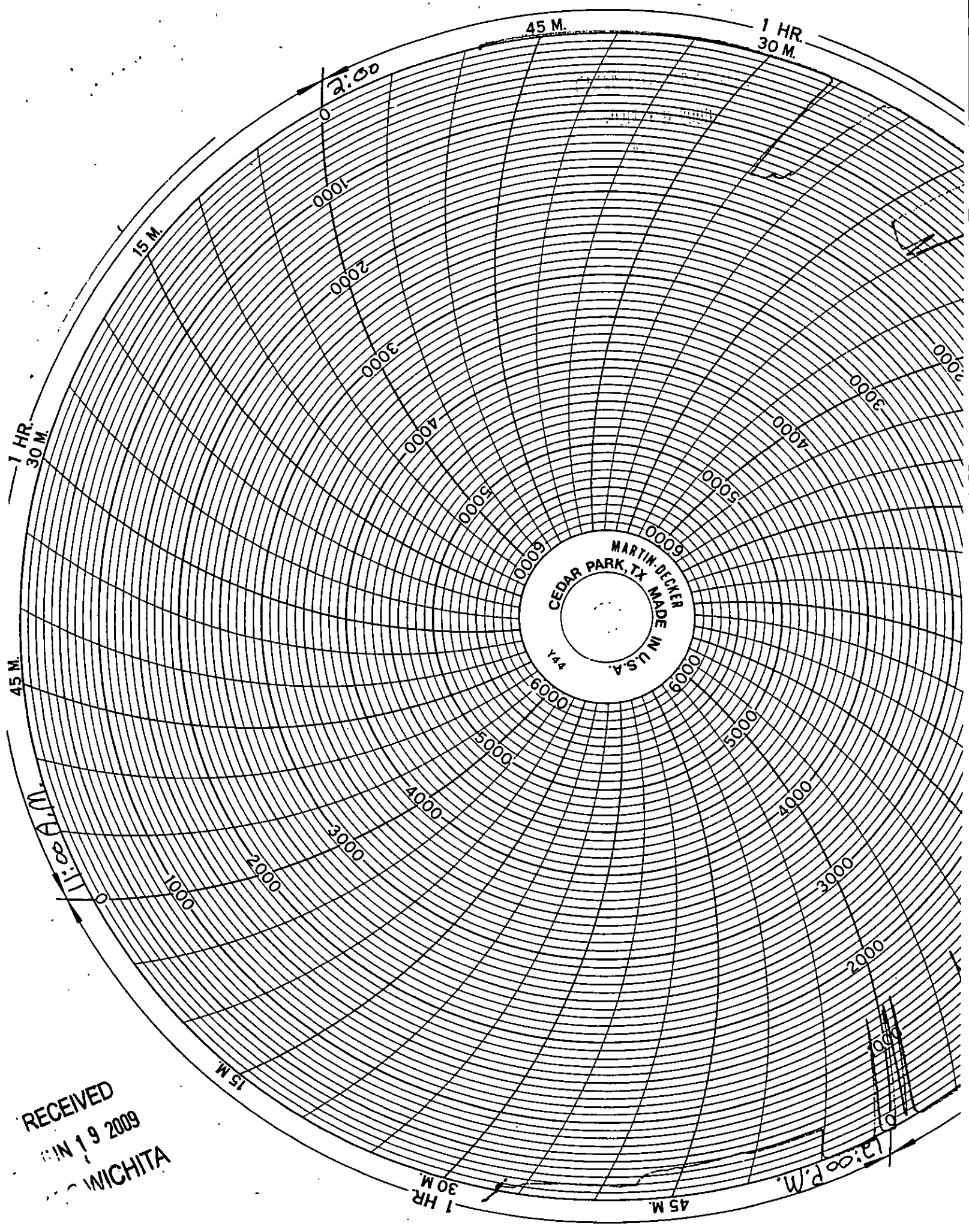
Service Units	<u>19,870</u>	<u>19,907</u>	<u>19,903</u>	<u>19,905</u>					
Driver Names	<u>Messick</u>	<u>Gordley</u>	<u>Mattal</u>						

Time A.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>11:00</u>					<u>Trucks on location and hold safety meeting.</u>
<u>11:30</u>	<u>100</u>			<u>3</u>	<u>Start salt water to circulate well.</u>
	<u>400</u>		<u>17</u>	<u>3</u>	<u>Well loaded</u>
			<u>80</u>		<u>Stop pumping. Pull tubing up to 3587 Ft and set</u>
				<u>3</u>	<u>start to fill Annulus</u>
	<u>500</u>				<u>Annulus full. Pressure up and shut it in.</u>
				<u>2</u>	<u>Start to fill tubing.</u>
	<u>1500</u>		<u>2</u>	<u>.5</u>	<u>Tubing full. Pumping Steady.</u>
					<u>Unset packer and run it. Set packer.</u>
				<u>3</u>	<u>Start to refill tubing.</u>
		<u>1500</u>	<u>2</u>	<u>.5</u>	<u>Tubing full. Pumping steady.</u>
					<u>Unset packer and pull it above perforations.</u>
	<u>500</u>				<u>Set packer. Pressure up Annulus. It held</u>
					<u>Unset packer. Go down and tag bottom and</u>
					<u>set packer 2ft. off of bottom.</u>
		<u>1500</u>		<u>.25</u>	<u>Pumping steady.</u>
					<u>Pull 4ft. sub and reset packer.</u>
		<u>1500</u>		<u>.5</u>	<u>Pumping steady.</u>
					<u>Pull tubing out of well to set C.I.B.P. at 3780</u>
<u>2:00</u>					<u>Trucks Released. Job Complete.</u>
					<u>Thank You.</u>
					<u>Clarence Trevin, Mitro</u>

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 WICHITA



acct. Sing.

PAGE 1 of 1	CUST NO 1970-MUR009	INVOICE DATE 02/25/2009
INVOICE NUMBER 1970003154		<i>duplic.</i>

Pratt

USED FOR *New Well Drilling*
APPROVED *[Signature]*

B I L L
MURFIN DRILLING
P O BOX 288
RUSSELL KS 67605
ATTN:

J O B
LEASE NAME Kissel
WELL NO. A 1-8
COUNTY Comanche
STATE KS
JOB DESCRIPTION Cement-New Well Casing/Pipe
JOB CONTACT
2009 JUN 19 2009

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
1970-03156	301		Net 30 DAYS	03/27/2009
For Service Dates: 02/24/2009 to 02/24/2009				
1970-03156				
1970-19543	Cement-New Well Casing	2/24/09		
Pump Charge-Hourly	1.00	Hour	1200.000	1,200.00
Depth Charge; 501'-1000'				
Cementing Head w/Manifold	1.00	EA	250.000	250.00
Plug Container Utilization Charge				
Cement Float Equipment	1.00	EA	315.000	315.00
8 5/8" Basket				
Cement Float Equipment	1.00	EA	225.000	225.00
Top Rubber Cement Plug				
Mileage	275.00	DH	1.400	385.00
Blending and Mixing Service Charge				
Mileage	140.00	DH	7.000	980.00
Heavy Equipment Mileage				
Mileage	907.00	DH	1.600	1,451.20
Proppant and Bulk Delivery Charges				
Pickup	70.00	Hour	4.250	297.50
Unit Mileage Charge(Pickups, Vans, or Cars)				
Additives	69.00	EA	3.700	255.30 T
Cello-flake				
Additives	236.00	EA	0.250	59.00 T
Cement Gel				
Calcium Chloride	777.00	EA	1.050	815.85 T
Cement	150.00	EA	18.000	2,700.00 T
A-Con Blend Common				
Cement	125.00	EA	16.000	2,000.00 T
Common				
Supervisor	1.00	Hour	175.000	175.00
Service Supervisor Charge				

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PLEASE REMIT TO:
BASIC ENERGY SERVICES, LP
PO BOX 841903
DALLAS, TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES, LP
PO BOX 10460
MIDLAND, TX 79702

BID DISCOUNT -4,776.81
SUBTOTAL 6,332.04
TAX 176.13
INVOICE TOTAL 6,508.17

Production - 2 1/4 W - 1/2 S - 1/2 E + N with I.A.S

BASIC

energy services, L.P.

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JUN 18 2009

FIELD ORDER

19543

Subject to Correction

Date 2-24-09	Customer ID	Lease Kissal	Well # A-2	Legal 7-33-20
C H A R G E		County Comanche	State KS	Station Pinta
Mudwin Drilling		Depth 628	Formation	Shoe Joint 40
		Casing 2 1/2" 628	TD 628	Job Type CNW - Surface
		Customer Representative	Treater Steve Orleans	

AFE Number _____ PO Number _____ Materials Received by **X** _____ PLS

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP101	15054	A-Con Blend	/	2700.00
P	CP100	125.4	Comman	/	2000.00
P	CC100	696b	Colliflex	/	255.30
P	CC109	7726b	Calcium Chloride	/	815.85
P	CC200	2366b	Concent Gel	/	51.00
P	CS105	1-2	Top Rubber Plug 8 1/2"	/	225.00
P	CS103	1-2	8 1/8" Basket	/	315.00
P	E101	140mi	Honey Equipment mileage		980.00
P	E113	907mi	Bulk Delivery		1451.00
P	E100	70m	Pickup Mileage		277.50
P	CE240	275.4	Concent Service Charge		385.00
P	S003	1-2	Service Supervisor		175.00
P	CE201	1-2	Depth Charge 501-1000		1200.00
P	CE504	1-2	Plug Cement		250.00
			Document - 1 Pinta plug 1-2		6332.61

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Customer Mudrock Drilling		Lease No.		Date 2-24-09	
Lease K-100-1		Well # A1-3			
Field Order # 15543	Station Pratt	Casing 8 1/2"	Depth 673	County Comanche	State KS
Type Job C.N.W. - Surface			Formation	Legal Description 8-5-20	

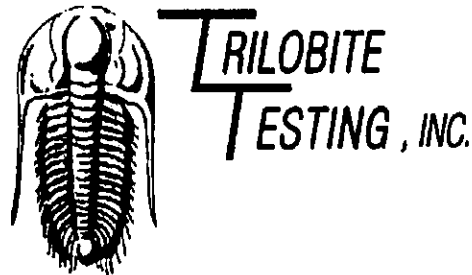
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 1/2"	5 1/2"	15	Acid	Blind 25%	Max		5 Min.	
Depth 673	Depth	From 10	To 540	Pre Pad 1.30	Min		10 Min.	
Volume	Volume	From	To	Pad	Avg		15 Min.	
Max Press	Max Press	From	To	Frac	HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush 39	Gas Volume		Total Load	
Plug Depth	Packer Depth	From	To					

Customer Representative				Station Manager Drew Scott				Treater Shane Williams			
Service Units	17283	17842	17789	17233	21010						
Driver Names	D. Williams	J. Williams	J. Williams								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					Dalton - Surface
					Run 8 1/2" 51' - 100'
					Basket Set 100' - 150' Surface
					Comanche Fracture
					Break Circ w/R.
6:55	350		5	5	1100 All-out
6:56	250		68	5	Max 15 min. Ann. Pres. - 1:4/1
7:10	150		30	5	mit 12 min. Comanche @ 15"/min
					Shut Down - Retain plug
7:00	200		6	5	Start No. place 2
7:08	300		31	5	Comanche Surface
7:30	300		39	4	plug down
					Turn on pump
					Turn off pump
					circulation time 7.5
					Comanche 13456 1.30

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07/09



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Paul Gunzelman

8 33 20 Comanche KS

Kissel "A" 1-8

Start Date: 2009.02.28 @ 19:15:48

End Date: 2009.03.01 @ 04:39:18

Job Ticket #: 33885 DST #: 1

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

Murfin Drilling Co.

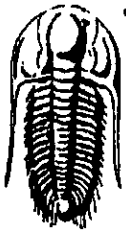
Kissel "A" 1-8

8 33 20 Comanche KS

DST # 1

Hertha

2009.02.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co.
250 N Water STE 300
Wichita, KS 67202
ATTN: Paul Gunzelman

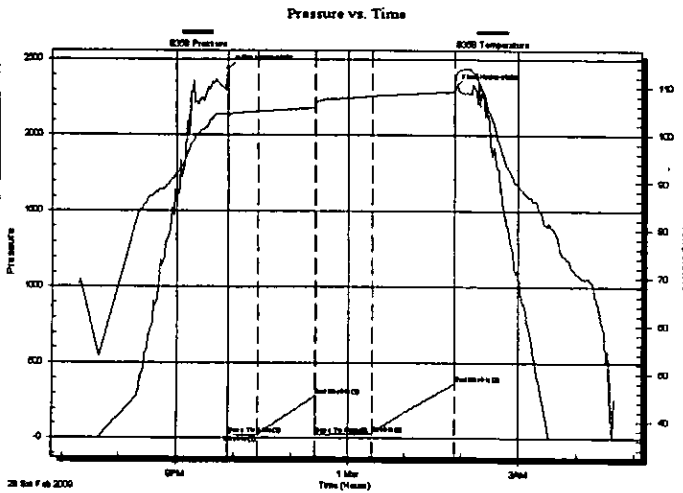
Kissel "A" 1-8
8 33 20 Comanche KS
Job Ticket: 33885 DST#: 1
Test Start: 2009.02.28 @ 19:15:48

GENERAL INFORMATION:

Formation: **Hertha**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 21:54:03
Time Test Ended: 04:39:18
Interval: **4820.00 ft (KB) To 4866.00 ft (KB) (TVD)**
Total Depth: **4866.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Kevin Taylor**
Unit No: **31**
Reference Elevations: **1868.00 ft (KB)**
1853.00 ft (CF)
KB to GR/CF: **15.00 ft**

Serial #: 8358 **Inside**
Press@RunDepth: **29.13 psig @ 4821.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2009.02.28** End Date: **2009.03.01** Last Calib.: **2009.03.01**
Start Time: **19:15:53** End Time: **04:39:18** Time On Btm: **2009.02.28 @ 21:53:48**
Time Off Btm: **2009.03.01 @ 01:53:03**

TEST COMMENT: I.F. Weak Blow Built To 3" In 30 Mn
I.S.I. Bled Off 5 Mn No Blow
F.F. Fair Blow Built To 5" In 30 Mn
F.S.I. Bled Off 5 Mn No Blow



PRESSURE SUMMARY

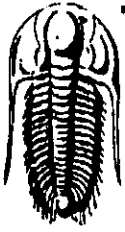
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2440.31	104.46	Initial Hydro-static
1	22.67	103.98	Open To Flow (1)
31	22.35	104.85	Shut-in(1)
91	281.21	105.68	End Shut-in(1)
92	22.26	106.30	Open To Flow (2)
152	29.13	108.14	Shut-in(2)
239	364.29	109.05	End Shut-in(2)
240	2321.60	110.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

APR 5 2009 **TOOL DIAGRAM**

Murfin Drilling Co.
250 N Water STE 300
Wichita, KS 67202

ATTN: Paul Gunzelman

Kissel "A" 1-8
8 33 20 Comanche KS
Job Ticket: 33885 DST#: 1
Test Start: 2009.02.28 @ 19:15:48

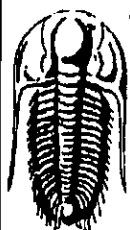
Tool Information

Drill Pipe:	Length: 4633.00 ft	Diameter: 3.88 inches	Volume: 67.75 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.75 inches	Volume: 1.34 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 69.09 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4820.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4797.00	
Hydraulic tool	5.00			4802.00	
Jars	5.00			4807.00	
Safety Joint	3.00			4810.00	
Packer	5.00			4815.00	28.00 Bottom Of Top Packer
Packer	5.00			4820.00	
Stubb	1.00			4821.00	
Recorder	0.00	8358	Inside	4821.00	
Recorder	0.00	6668	Inside	4821.00	
Perforations	4.00			4825.00	
Change Over Sub	1.00			4826.00	
Drill Pipe	31.00			4857.00	
Change Over Sub	1.00			4858.00	
Perforations	5.00			4863.00	
Bullnose	3.00			4866.00	46.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

Kissel "A" 1-8

250 N Water STE 300
Wichita, KS 67202

8 33 20 Comanche KS

ATTN: Paul Gunzelman

Job Ticket: 33885

DST#: 1

Test Start: 2009.02.28 @ 19:15:48

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: 47.00 sec/qt

Cushion Volume:

bbt

Water Loss: 8.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbt
10.00	Mud	0.073

Total Length: 10.00 ft

Total Volume: 0.073 bbl

Num Fluid Samples: 0

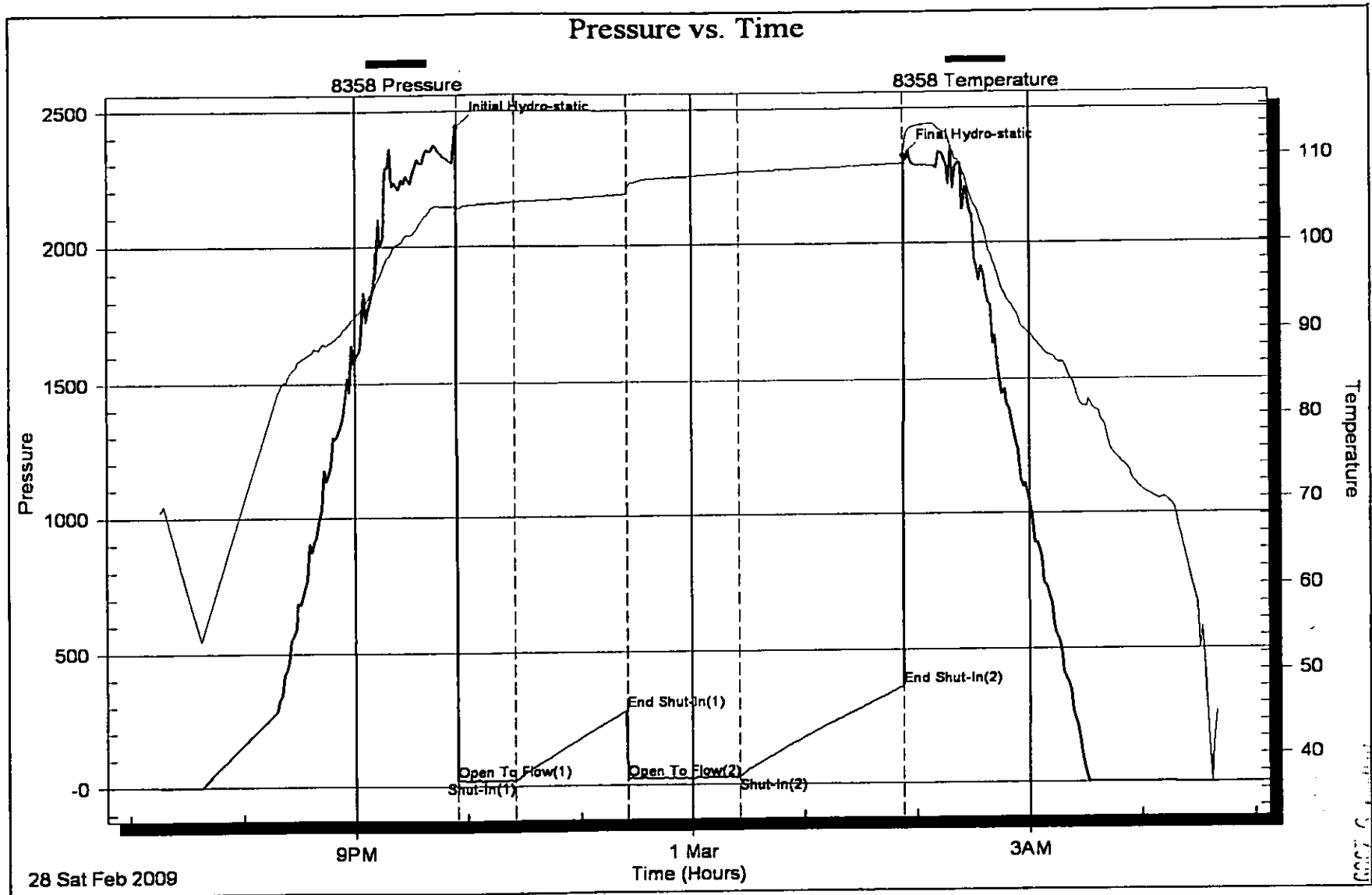
Num Gas Bombs: 0

Serial #:

Laboratory Name:

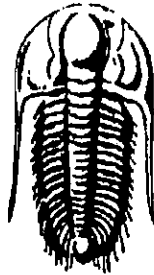
Laboratory Location:

Recovery Comments:



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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Paul Gunzelman

8 33 20 Comanche KS

Kissel "A" 1-8

Start Date: 2009.03.02 @ 10:19:45

End Date: 2009.03.02 @ 20:55:30

Job Ticket #: 33886 DST #: 2

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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.

Kissel "A" 1-8

8 33 20 Comanche KS

DST # 2

Marrow

2009.03.02



TRILOBITE
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DRILL STEM TEST REPORT

Murfin Drilling Co.
250 N Water STE 300
Wichita, KS 67202
ATTN: Paul Gunzelman

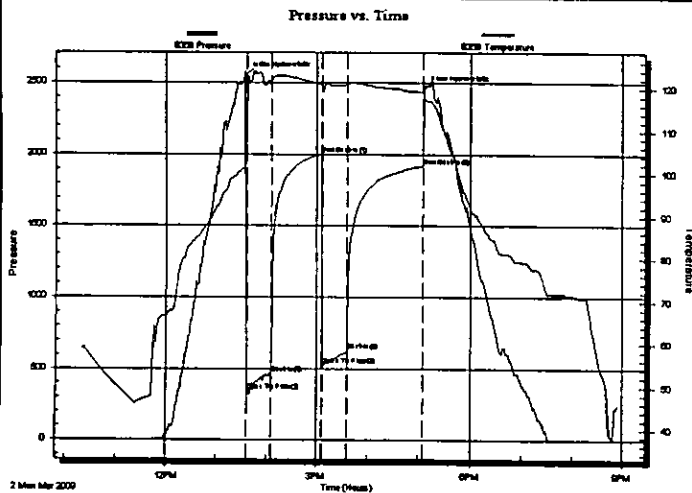
Kissel "A" 1-8
8 33 20 Comanche KS
Job Ticket: 33886 DST#: 2
Test Start: 2009.03.02 @ 10:19:45

GENERAL INFORMATION:

Formation: **Marrow**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 13:36:30
Time Test Ended: 20:55:30
Test Type: Conventional Bottom Hole
Tester: Kevin Taylor
Unit No: 31
Interval: **5177.00 ft (KB) To 5235.00 ft (KB) (TVD)**
Total Depth: 5235.00 ft (KB) (TVD)
Reference Elevations: 1868.00 ft (KB)
Hole Diameter: 7.88 inches Hole Condition: Fair 1853.00 ft (CF)
KB to GR/CF: 15.00 ft

Serial #: 8358 **Inside**
Press@RunDepth: 624.91 psig @ 5178.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.03.02 End Date: 2009.03.02 Last Calib.: 2009.03.02
Start Time: 10:19:50 End Time: 20:55:30 Time On Btm: 2009.03.02 @ 13:35:15
Time Off Btm: 2009.03.02 @ 17:06:15

TEST COMMENT: I.F. Strong Blow BOB 30 Sec
I.S.I. Bled Off 7 Mn No Blow
F.F. Fair Blow BOB 8 Mn
F.S.I Bled Off 7 Mn No Blow



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2551.29	101.37	Initial Hydro-static
2	340.16	111.92	Open To Flow (1)
32	467.30	121.67	Shut-In(1)
91	1998.46	120.99	End Shut-In(1)
92	524.42	119.42	Open To Flow (2)
121	624.91	120.91	Shut-In(2)
211	1919.54	119.11	End Shut-In(2)
211	2457.05	119.43	Final Hydro-static

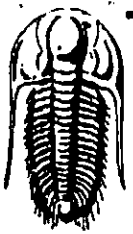
Recovery

Length (ft)	Description	Volume (bbl)
183.00	GWCM 50%W 50%M	1.34
62.00	GWCM 30%W 70%M	0.91
1178.00	GSY Mud	17.23

Gas Rates

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

JUN 18 2009



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.
250 N Water STE 300
Wichita, KS 67202
ATTN: Paul Gunzelman

Kissel "A" 1-8
8 33 20 Comanche KS
Job Ticket: 33886 DST#: 2
Test Start: 2009.03.02 @ 10:19:45

Tool Information

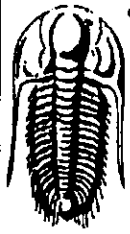
Drill Pipe:	Length: 4979.00 ft	Diameter: 3.88 inches	Volume: 72.81 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.75 inches	Volume: 1.34 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 74.15 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	5177.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			5154.00	
Hydraulic tool	5.00			5159.00	
Jars	5.00			5164.00	
Safety Joint	3.00			5167.00	
Packer	5.00			5172.00	28.00 Bottom Of Top Packer
Packer	5.00			5177.00	
Stubb	1.00			5178.00	
Recorder	0.00	8358	inside	5178.00	
Recorder	0.00	6668	inside	5178.00	
Perforations	5.00			5183.00	
Change Over Sub	1.00			5184.00	
Drill Pipe	31.00			5215.00	
Change Over Sub	1.00			5216.00	
Perforations	16.00			5232.00	
Bullnose	3.00			5235.00	58.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

Kissel "A" 1-8

250 N Water STE 300
Wichita, KS 67202

8 33 20 Comanche KS

Job Ticket: 33886

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2009.03.02 @ 10:19:45

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 67.00 sec/qt

Water Loss: 5.58 in³

Resistivity: ohm.m

Salinity: 10000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	GWCM 50%W 50%M	1.344
62.00	GWCM 30%W 70%M	0.907
1178.00	GSY Mud	17.227

Total Length: 1423.00 ft Total Volume: 19.478 bbl

Num Fluid Samples: 0

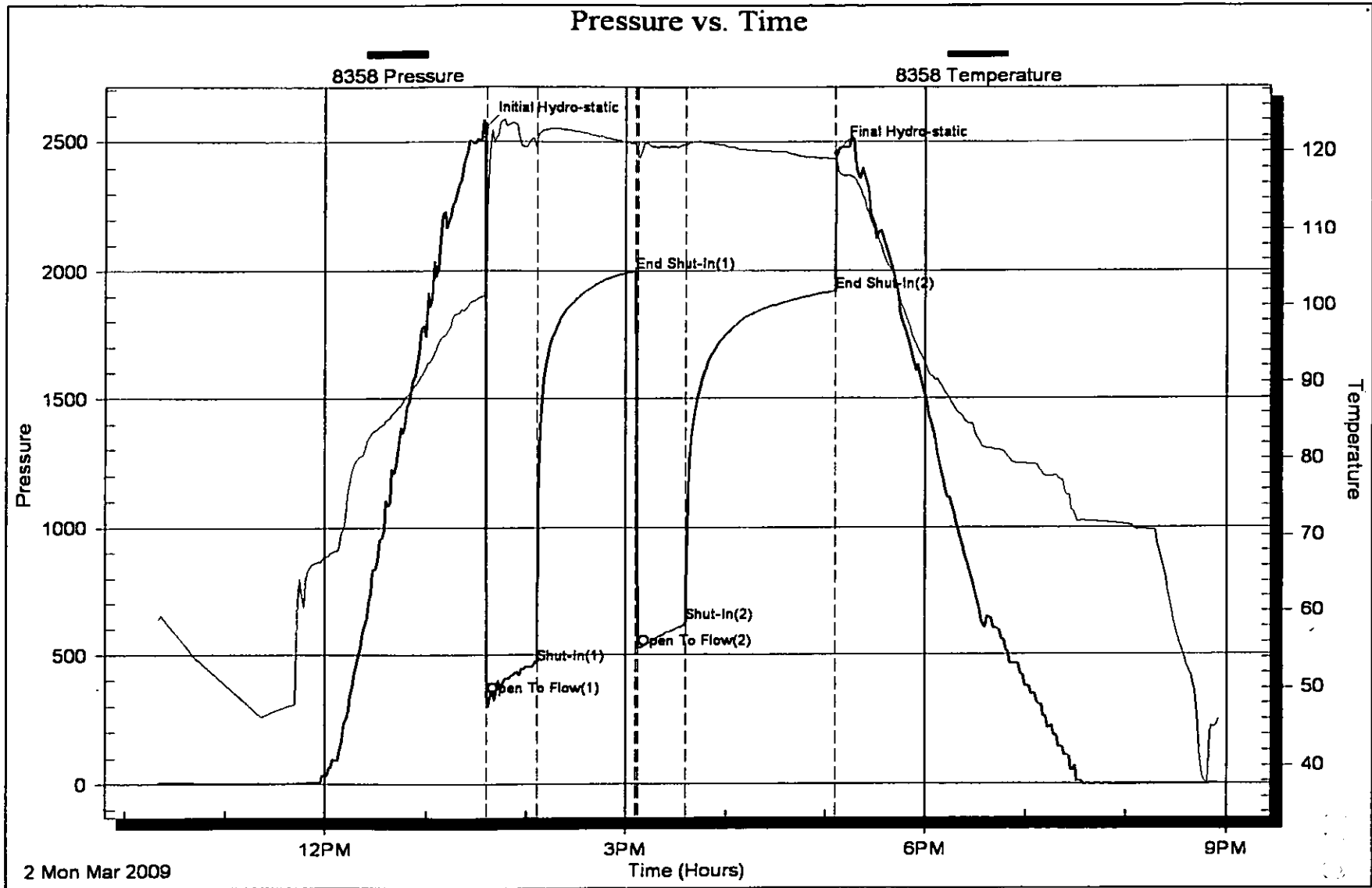
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



COG 2009-03-05 09:29:36