



KANSAS CORPORATION COMMISSION 1063795  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1063795

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Molz Oil Company
Well Name	ACHENBACH B 3
Doc ID	1063795

Tops

Name	Top	Datum
HEEBNER	3827	3830
LANSING	4364	4368
CHEROKEE	4736	4739
MISSISSIPPIAN	4785	4790
KINDERHOOK	5040	5044
MISNER	5142	5146
VIOLA	5210	5202
ARBUCKLE	5514	5521
TD	5532	5537



PAGE 1 of 1	CUST NO 1004016	INVOICE DATE 06/09/2011
INVOICE NUMBER <b>1718 - 90616153</b>		

Pratt (620) 672-1201  
 B MOLZ OIL CO  
 I 19159 SW CLAIRMONT  
 L KIOWA  
 L KS US 67070  
 T  
 O ATTN:

J LEASE NAME Achenbach B 3  
 O LOCATION  
 B COUNTY Barber  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE																
40329236	20920	505060	Net - 30 days	07/09/2011																
<i>For Service Dates: 06/07/2011 to 06/07/2011</i>																				
0040329236																				
171804067A Cement-New Well Casing/Pi 06/07/2011 5 1/2" Longstring																				
AA2 Cement		255.00	EA	13.43	3,424.64 T															
De-foamer (Powder)		48.00	EA	3.16	151.68 T															
Salt (Fine)		1,264.00	EA	0.40	499.28 T															
Gas-Blok		240.00	EA	4.07	976.44 T															
FLA-322		192.00	EA	5.93	1,137.60 T															
Gilsonite		1,275.00	EA	0.53	674.86 T															
Mud Flush		500.00	EA	0.68	339.70 T															
Super Flush II		500.00	EA	1.21	604.35 T															
CS-1L KCL Substitute		5.00	EA	27.65	138.25 T															
Latch Down Plug & Baffle 5 1/2" (Blue)		1.00	EA	316.00	316.00															
Auto Fill Float Shoe 5 1/2" (Blue)		1.00	EA	284.40	284.40															
Turbolizer 5 1/2" (Blue)		7.00	EA	86.90	608.30															
5 1/2" Basket (Blue)		2.00	EA	229.10	458.20															
Unit Mileage Charge-Pickups, Vans & Cars		50.00	HR	3.36	167.88															
Heavy Equipment Mileage		100.00	MI	5.53	553.00															
Proppant and Bulk Delivery Charges		600.00	MI	1.26	758.40															
Depth Charge; 5001-6000'		1.00	HR	2,275.20	2,275.20															
Blending & Mixing Service Charge		255.00	MI	1.11	282.03															
Plug Container Utilization Charge		1.00	EA	197.50	197.50															
Supervisor		1.00	HR	138.25	138.25															
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">PLEASE REMIT TO:</td> <td style="width: 33%;">SEND OTHER CORRESPONDENCE TO:</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td>BASIC ENERGY SERVICES, LP</td> <td>BASIC ENERGY SERVICES, LP</td> <td style="text-align: right;">SUB TOTAL</td> <td style="text-align: right;">13,985.96</td> </tr> <tr> <td>PO BOX 841903</td> <td>PO BOX 10460</td> <td style="text-align: right;">TAX</td> <td style="text-align: right;">580.12</td> </tr> <tr> <td>DALLAS, TX 75284-1903</td> <td>MIDLAND, TX 79702</td> <td style="text-align: right;">INVOICE TOTAL</td> <td style="text-align: right;">14,566.08</td> </tr> </table>					PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:			BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	SUB TOTAL	13,985.96	PO BOX 841903	PO BOX 10460	TAX	580.12	DALLAS, TX 75284-1903	MIDLAND, TX 79702	INVOICE TOTAL	14,566.08
PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:																			
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	SUB TOTAL	13,985.96																	
PO BOX 841903	PO BOX 10460	TAX	580.12																	
DALLAS, TX 75284-1903	MIDLAND, TX 79702	INVOICE TOTAL	14,566.08																	

# BASIC<sup>SM</sup>

ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

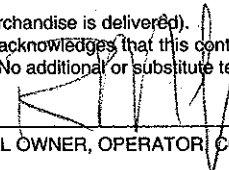
FIELD SERVICE TICKET  
1718 04067 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

JOB OF 6-7-11 DISTRICT Pratt		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 Mol Z Oil Co.		LEASE Achenbach B WELL NO. 3							
ADDRESS		COUNTY Barber STATE KS							
CITY STATE		SERVICE CREW Sullivan Melson							
AUTHORIZED BY		JOB TYPE: CNW 5 1/2 LS							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
33708 20920	1hr								
19940-19862	1hr					ARRIVED AT JOB	6-7	PM	9:30
37900						START OPERATION	6-7	AM	2:15
						FINISH OPERATION	6-7	AM	3:15
						RELEASED	6-7	AM	3:45
						MILES FROM STATION TO WELL			60

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
CP 105	A&Z CEMENT	SBS	255		4 335 00
CL 105	De-foamer	lb	1264		192 00
CL 111	salt	lb	1264		632 00
CL 115	Gas Bloks	lb	240		1236 00
CL 129	FLA 322	lb	192		1440 00
CL 201	Gilsonite	lb	1275		854 25
CF 607	Latch Down Plug	eq	1		400 00
CF 1251	Auto Fill Float shoe	eq	1		360 00
CF 1651	Turbolizer	eq	7		770 00
CF 1901	Basket	eq	2		580 00
C 704	KCL Substitute	gal	5		175 00
CL 151	Mud Flush	gal	500		430 00
CL 155	super Flush II	gal	500		765 00
E 100	Mileage Pickup	mi	50		212 50
E 101	Heavy Equipment Mileage	mi	100		700 00
E 113	Bulk Delivery	TM	600		960 00
CE 206	Depth charge	4hr	1		2880 00
CE 240	Mixing Charge	SBS	255		357 00
CE 504	Plug Container	JOD	1		250 00
S 003	Supervisor	eq	1		175 00
SUB TOTAL					13985 96

CHEMICAL / ACID DATA:


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

Thank you  TOTAL 13985 96

SERVICE REPRESENTATIVE 

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: 

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



ASIC  
services, L.P.

TREATMENT REPORT

MOLZ oil co  
Achenbach B  
4067  
PR4 KS  
CPW 5 1/2 Longst-y

Lease No.  
Well # 3  
Date 6-7-11  
Casing 5 1/2  
Depth 5532  
County BARBER  
State KS  
Formation  
Legal Description 1-35-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2								
Depth 5532	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 131	Volume	From	To	Pad	Min		10 Min.	
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3510	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative  
Station Manager DAVE SCOTT  
Treater Robert Johnson

Service Units	37900	33708	20920	19960	19862				
Driver Names	Sullivan	Melton	Phye						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0930					on loc soft/mud
					Run 131 STS 15.5 5 1/2 csg cont 4, 9, 10, 16, 19, 20 BAKED # 2, 13 circ 1/2 down 1/2 way in
1:05					CASING ON BOTTOM
1:15					Hook by circ
2:15	150		12	4	It runs flush
			5		SPACER
			72		It Super Flush
			5		SPACER
			58	5.5	mix cont 225 lb AM-2 cont Shot down cont mix dr with Lindapand Release Plug
			86	6.5	It deep w/ 2% KCL WATER
	300		120	4	litt Ps
	800		131		Shot down float hold
3:15	2,100		7		May get w/ 20% 50B Complete



PAGE 1 of 1	CUST NO 1004016	INVOICE DATE 05/30/2011
INVOICE NUMBER 1718 - 90607649		

Pratt (620) 672-1201

B MOLZ OIL CO  
I 19159 SW CLAIRMONT  
L KIOWA  
L KS US 67070  
T  
O ATTN:

29100

J LEASE NAME Achenbach B 3  
O LOCATION  
B COUNTY Barber  
S STATE KS  
I JOB DESCRIPTION Cement-New Well Casing/Pi  
T JOB CONTACT  
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40325034	19905	505060	Net - 30 days	06/29/2011
<i>For Service Dates: 05/23/2011 to 05/23/2011</i>				
0040325034				
171804216A Cement-New Well Casing/Pi 05/23/2011 13 3/8" Conductor				
60/40 POZ		325.00 EA	9.24	3,003.00 T
Cello-flake(POLEFLAKE-C)		82.00 EA	2.85	233.62 T
Calcium Chloride		840.00 EA	0.81	679.14 T
Heavy Equipment Mileage		100.00 MI	5.39	539.00
Proppant and Bulk Delivery Charge		700.00 MI	1.23	862.40
Blending & Mixing Service Charge		325.00 MI	1.08	350.35
Unit Mileage Charge-Pickups, Vans & Cars		50.00 HR	3.27	163.62
Depth Charge; 0-500'		1.00 HR	770.00	770.00
Service Supervisor		1.00 HR	134.75	134.75

6 Ad  
6-8-11  
ck 22342

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,735.88
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	285.85
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	7,021.73
DALLAS, TX 75284-1903	MIDLAND, TX 79702		

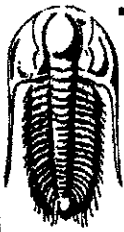
Customer: Mud Oil Co. Lease No. \_\_\_\_\_ Date: 5-23-11  
 Lease: Acchabach Well #: B-3  
 Field Order #: 4216 Station: Pratt Casing: 1 3/4 Depth: 331 County: Barber State: KS  
 Type Job: CNW 1 3/4 Conductor Formation: \_\_\_\_\_ Legal Description: -35-17

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<u>2 1/2</u>	<u>2 1/2</u>	<u>375</u>		<u>1 gal/40 gal</u>				5 Min.
Depth	Depth	From	To	Pre Pad		Max		10 Min.
<u>317</u>	<u>317</u>			<u>3 1/2 - 1/4"</u>		Min		15 Min.
Volume	Volume	From	To	Pad		Avg		Annulus Pressure
<u>20</u>	<u>20</u>					HHP Used		Total Load
Max Press	Max Press	From	To	Frac		Gas Volume		
Well Connection	Annulus Vol.	From	To	Flush	<u>50</u>			
Plug Depth	Packer Depth	From	To					

Customer Representative: Scott Station Manager: Dave Scott Treater: Steve Orlowski

Service Units	Driver Names	Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<u>17825</u>	<u>Ditamba</u>	<u>9:00 PM</u>					<u>On location - 5-23-11</u>
<u>17826</u>	<u>W. R. R.</u>						<u>Run 2 1/2" 1 3/4" conductor</u>
<u>17827</u>	<u>D. R. R.</u>						<u>1 1/2" IT + 3 1/2" 1 3/4"</u>
<u>17828</u>							<u>Break Circ 1/2" P.</u>
<u>17829</u>					<u>3</u>	<u>5</u>	<u>ADJ. Ahead</u>
<u>17830</u>			<u>150</u>		<u>70</u>	<u>5</u>	<u>Mix 525 gal 60/40 P.O. = 0.14 1/2%</u>
<u>17831</u>			<u>150</u>		<u>0</u>	<u>5</u>	<u>Stop - 1700 psi - hold</u>
<u>17832</u>			<u>150</u>		<u>38</u>	<u>5</u>	<u>Continue to 500 gal</u>
<u>17833</u>			<u>150</u>		<u>50</u>	<u>11</u>	<u>Plug Down</u>
							<u>Completion 11:00 AM</u>
							<u>total 1/2 mbc 1 1/2"</u>
							<u>Job Complete</u>
							<u>Thank Steve</u>





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Molz Oil Co  
 19159 SW Clairmont  
 Kiowa, KS 67070  
 ATTN: Arden Ratzlaff

**Achenbach B #3**  
**1-35S-12W Barber**  
 Job Ticket: 042452      **DST#: 2**  
 Test Start: 2011.06.04 @ 10:20:58

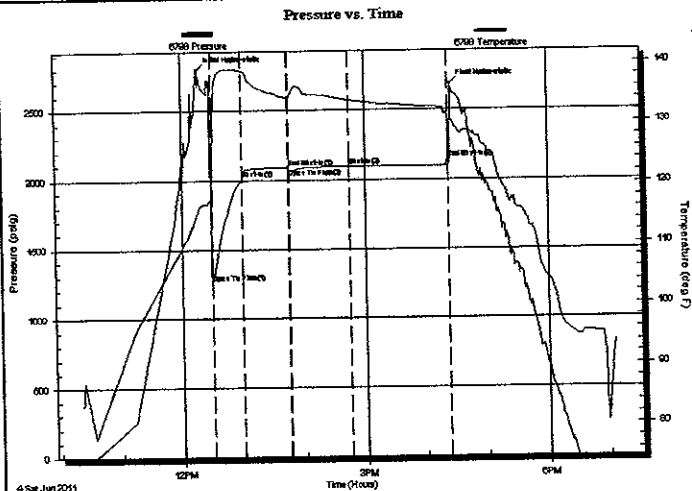
## GENERAL INFORMATION:

Formation: **Simpson**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 12:29:28  
 Tester: Leal Cason  
 Time Test Ended: 19:05:43  
 Unit No: 45  
 Interval: **5260.00 ft (KB) To 5334.00 ft (KB) (TVD)**  
 Reference Elevations: 1927.00 ft (KB)  
 Total Depth: 5334.00 ft (KB) (TVD)  
 1917.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 10.00 ft

**Serial #: 6798**      **Inside**  
 Capacity: 8000.00 psig  
 Press@RunDepth: 2092.57 psig @ 5261.00 ft (KB)  
 Last Calib.: 2011.06.04  
 Start Date: 2011.06.04      End Date: 2011.06.04  
 Time On Btm: 2011.06.04 @ 12:15:58  
 Start Time: 10:20:58      End Time: 19:05:43  
 Time Off Btm: 2011.06.04 @ 16:24:43

**TEST COMMENT:** IF: Strong Blow, BOB in 30 seconds  
 IS: Bled Off, No Blow back  
 FF: Strong Blow, BOB in 90 seconds  
 FS: Bled Off, No Blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2794.59	115.26	Initial Hydro-static
14	1264.70	123.41	Open To Flow (1)
44	2011.94	138.74	Shut-In(1)
89	2089.15	134.22	End Shut-In(1)
89	2017.58	134.18	Open To Flow (2)
149	2092.57	133.72	Shut-In(2)
246	2142.00	130.96	End Shut-In(2)
249	2682.68	130.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3870.00	Salt Water	53.19
360.00	MOW 40%M 60%W	5.05
180.00	WCM 30%W 70%M	2.52

## Gas Rates

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

Serial #: 6798

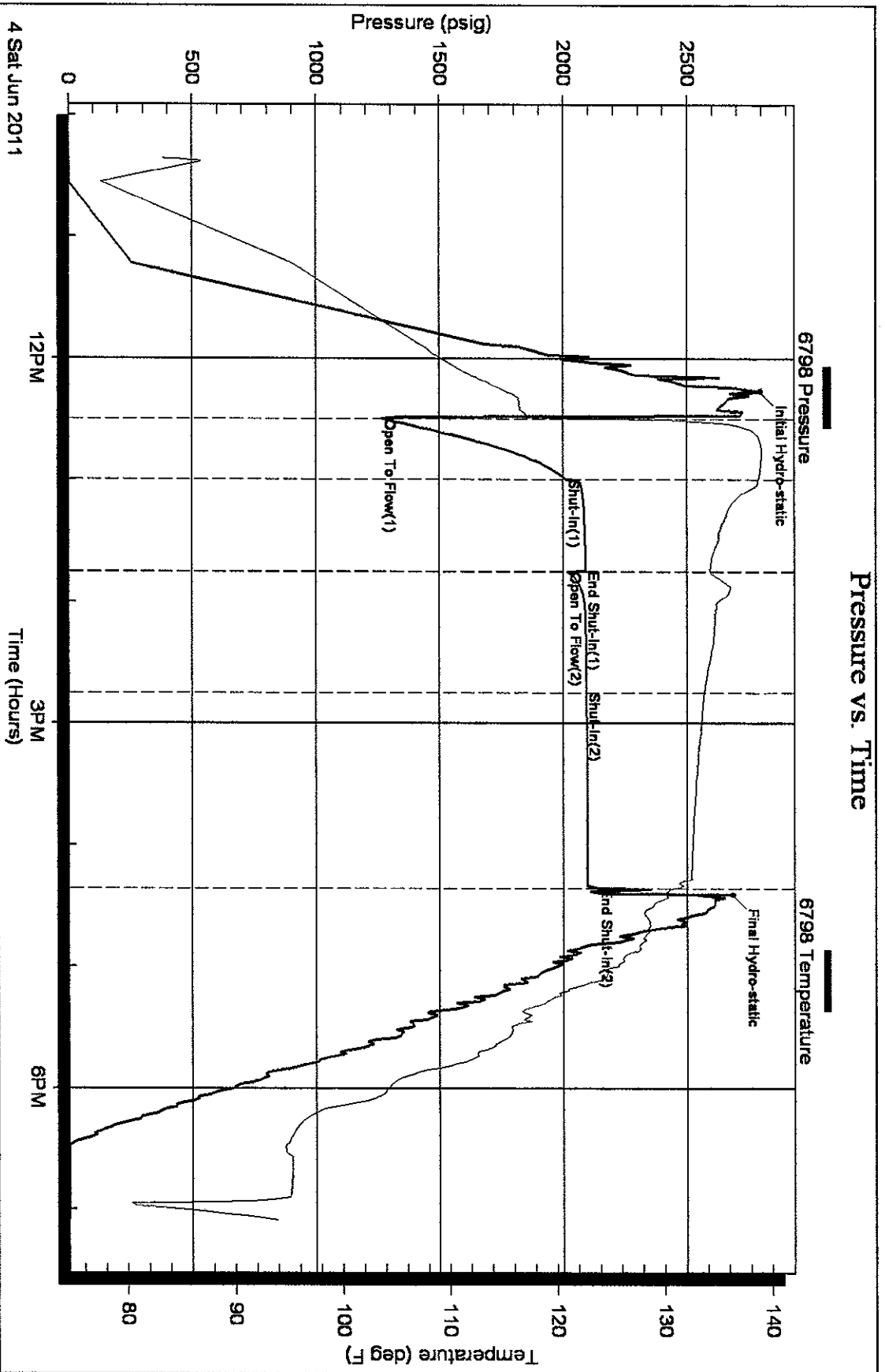
Inside

Maz Oil Co

1-355-12M Barber

DST Test Number: 2

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 042452

Well Name & No. Achenbach B # 3 Test No. 2 Date 06/04/11  
 Company Molz Oil Co. Elevation 1927 KB 1917 GL  
 Address 19159 SW Clairmont Kiowa, KS 67070  
 Co. Rep / Geo. Arden Ratzlaff Rig Hardt Rig # 1  
 Location: Sec. 1 Twp. 35S Rge. 12W Co. Barber State KS

Interval Tested 5260 - 5334 Zone Tested SIMPSON  
 Anchor Length 74 Drill Pipe Run 5124 Mud Wt. 9.2  
 Top Packer Depth 5255 Drill Collars Run 120 Vis 71  
 Bottom Packer Depth 5260 Wt. Pipe Run 0 WL 9.4  
 Total Depth 5334 Chlorides 5000 ppm System LCM 6#

Blow Description IF: Strong Blow, BOB in 30 seconds  
ISI: Bled off, NO Blowback  
FF: Strong Blow, BOB in 90 seconds  
ESI: Bled off, NO Blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>WCM</u>			<u>30</u>	<u>70</u>
<u>360</u>	<u>MCW</u>			<u>60</u>	<u>40</u>
<u>3870</u>	<u>WATER</u>				

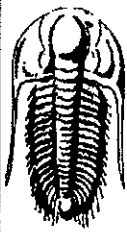
Rec Total 4410 BHT 130° Gravity N/C API RW .08 @ 85° F Chlorides 85000 ppm

(A) Initial Hydrostatic <u>2794</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>09:45</u>
(B) First Initial Flow <u>1265</u>	<input type="checkbox"/> Jars	T-Started <u>10:20</u>
(C) First Final Flow <u>2012</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>12:29</u>
(D) Initial Shut-In <u>2089</u>	<input type="checkbox"/> Circ-Sub	T-Pulled <u>16:21</u>
(E) Second Initial Flow <u>2017</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>19:05</u>
(F) Second Final Flow <u>2092</u>	<input checked="" type="checkbox"/> Mileage <u>1100</u>	Comments _____
(G) Final Shut-In <u>2142</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2683</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total _____
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total _____
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total _____	

Approved By Arden Ratzlaff Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any-kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Molz Oil Co  
 19159 SW Clairmont  
 Kiowa, KS 67070  
 ATTN: Arden Ratzlaff

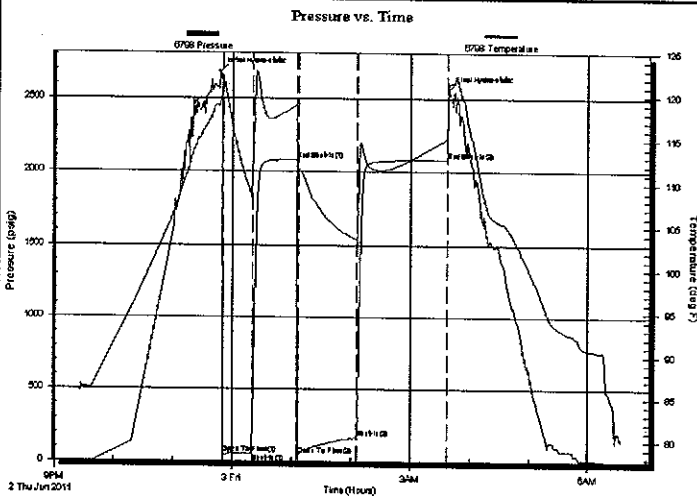
**Achenbach B #3**  
**1-35S-12W Barber**  
 Job Ticket: 042451      DST#: 1  
 Test Start: 2011.06.02 @ 21:25:39

## GENERAL INFORMATION:

Formation: **Misener**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:49:54  
 Time Test Ended: 06:35:24  
 Interval: **5136.00 ft (KB) To 5150.00 ft (KB) (TVD)**  
 Total Depth: 5150.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Leal Cason  
 Unit No: 45  
 Reference Elevations: 1927.00 ft (KB)  
 1917.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 6798**      **Inside**  
 Press@RunDepth: 165.81 psig @ 5137.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.06.02      End Date: 2011.06.03      Last Calib.: 2011.06.03  
 Start Time: 21:25:40      End Time: 06:35:24      Time On Btm: 2011.06.02 @ 23:46:39  
 Time Off Btm: 2011.06.03 @ 03:37:54

**TEST COMMENT:** IF: Strong Blow, BOB in 30 seconds, GTS in 13 minutes, Gauged Gas  
 IS: Bled Off, No Blow back  
 FF: Strong Blow, BOB & GTS Immediate, Gauged Gas  
 FS: Bled Off, No Blow back



## PRESSURE SUMMARY

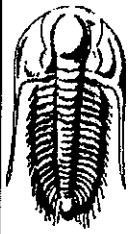
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2678.95	119.09	Initial Hydro-static
4	52.76	121.98	Open To Flow (1)
33	53.34	108.53	Shut-In(1)
79	2081.08	119.01	End Shut-In(1)
80	45.27	111.43	Open To Flow (2)
140	165.81	103.61	Shut-In(2)
230	2083.46	115.14	End Shut-In(2)
232	2558.89	120.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	4888 Feet GIP	0.00
60.00	GSY OWCM 24%G 24%O 24%W 28%M	0.30
170.00	GSY OCM 15%G 15%O 70%M	1.84

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)
First Gas Rate	0.50	4.00	124.80
Last Gas Rate	0.25	72.00	137.22
Max. Gas Rate	0.25	72.00	137.22



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Molz Oil Co

**Achenbach B #3**

19159 SW Clairmont  
Kiowa, KS 67070

**1-35S-12W Barber**

Job Ticket: 042451

**DST#: 1**

ATTN: Arden Ratzlaff

Test Start: 2011.06.02 @ 21:25:39

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 66.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil APl:

deg API

Water Salinity: 98000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4888 Feet GIP	0.000
60.00	GSY OWCM 24%G 24%O 24%W 28%M	0.295
170.00	GSY OCM 15%G 15%O 70%M	1.838

Total Length: 230.00 ft      Total Volume: 2.133 bbl

Num Fluid Samples: 0

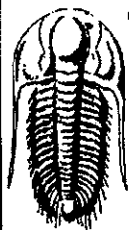
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .08 @ 70 degrees



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Molz Oil Co

**Achenbach B #3**

19159 SW Clairmont  
Kiowa, KS 67070

**1-35S-12W Barber**

Job Ticket: 042451

**DST#: 1**

ATTN: Arden Ratzlaff

Test Start: 2011.06.02 @ 21:25:39

## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	20	0.50	4.00	124.80
1	30	0.50	4.00	124.80
2	10	0.25	22.00	57.90
2	20	0.25	38.00	83.29
2	30	0.25	50.00	102.32
2	40	0.25	50.00	102.32
2	50	0.25	68.00	130.88
2	60	0.25	72.00	137.22

Serial #: 6798

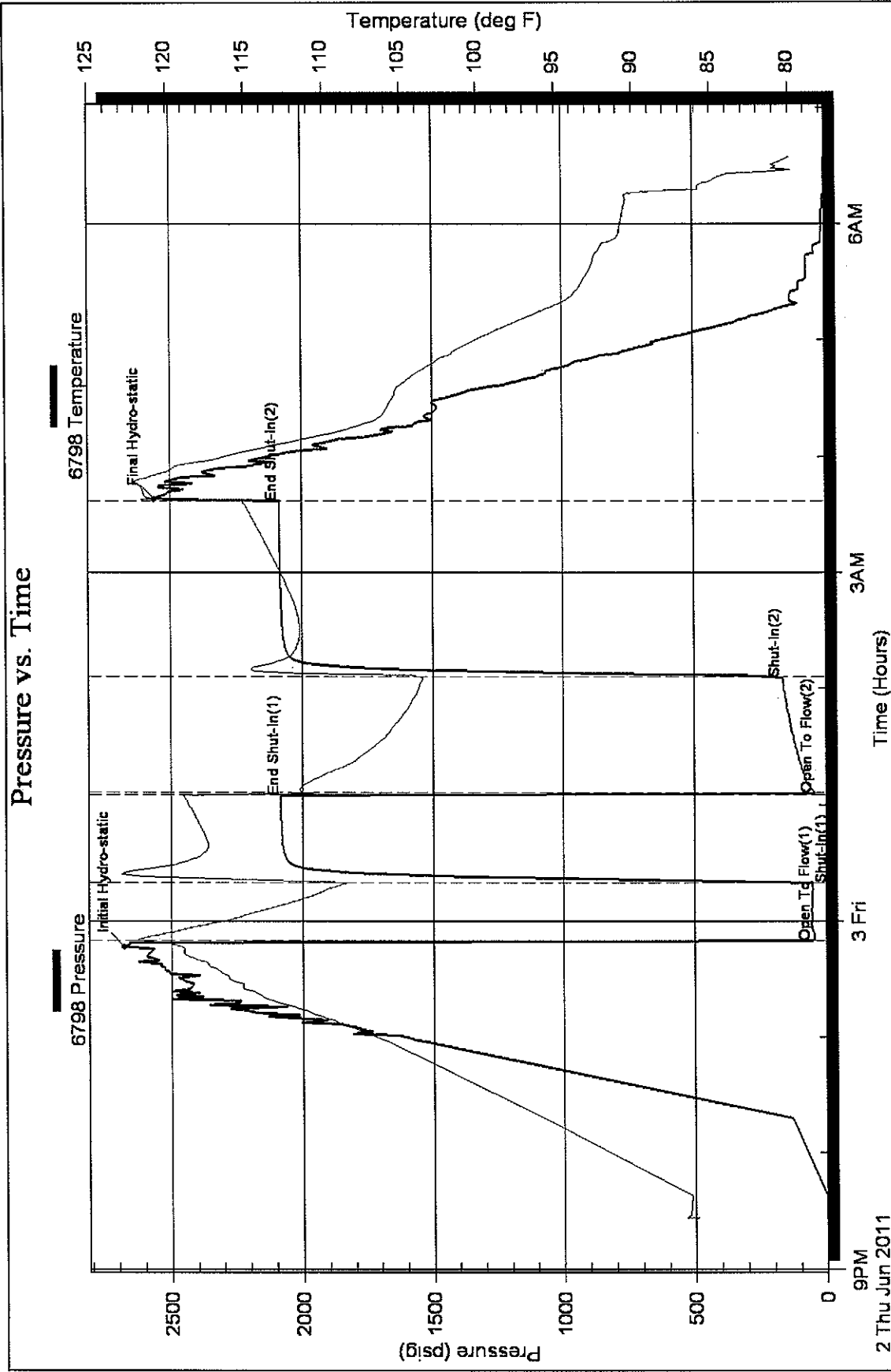
Inside

Molz Oil Co

1-35S-12W Barber

DST Test Number: 1

### Pressure vs. Time



# Arden Ratzlaff

PETROLEUM GEOLOGIST

Phone: 262-8938

107 N. Market 808 Bitting Bldg. Wichita, KS 67202

## DRILLING TIME AND SAMPLE LOG

COMPANY MOLZ OIL COMPANY

LEASE ACHENBACH B#3

FIELD STRANATHAN

LOCATION SE NE SW NW

SECTION 1 TOWNSHIP 35S RANGE 12W

COUNTY BARBER STATE KANSAS

### ELEVATIONS

KB 1427

DF 1425

GL 1417

Measurements Are All  
From K. B.

CONTRACTOR HARDT DRILLING RIG NO. 1

COMMENCED DRILLING 5-22-11

COMPLETED DRILLING 6-06-11

RTD 5532 FEET LTD 5537 FEET

MUD UP AT 3163 FEET MUD TYPE CHEMICAL

### CASING

1 3/8" @ 312' w 325 SX

5 1/2" @ 5530 w 225 SX

### ELECTRICAL SURVEYS

LOG-TECH ~ GAMMA RAY, DUAL  
INDUCTION, COMPENSATED NEUTRON  
DENSITY, S.P. & CALIPER

### FORMATION TOPS

### SAMPLE

### ELECTRIC LOG

HEEBNER	3827 (-2400)	3830 (-2403)
LANSING	4364 (-2957)	4368 (-2941)
CHEROKEE	4736 (-3309)	4739 (-3312)
MISSISSIPPIAN	4785 (-3358)	4790 (-3363)
KINDERHOOK	5040 (-3513)	5044 (-3517)
VIOLA <i>misner 5142</i>	5210 (-3783)	5202 (-3775)
SIMPSON	5291 (-3864)	5295 (-3868)
SIMPSON SAND	5313 (-3886)	5318 (-3891)
ARBUCKLE	5514 (-4087)	5521 (-4094)
TOTAL DEPTH	5532 (-4105)	5537 (-4110)