

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 31569  
Name: Bach Oil Production  
Address: P.O. Box 723  
City/State/Zip: Alma, NE. 68920  
Purchaser: Coffyville Resources  
Operator Contact Person: Jason Bach  
Phone: (785) 476-5254  
Contractor: Name: American Eagle Drilling  
License: 33493  
Wellsite Geologist: Randy Kilian

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. \_\_\_\_\_

<u>07/13/06</u>	<u>07/19/06</u>	<u>09/05/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

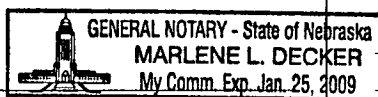
API No. 15 - 163235460000  
County: Rooks  
SE SE SW \_\_\_\_\_ Sec. 7 Twp. 7 S. R. 20  East  West  
330 feet from (S) / N (circle one) Line of Section  
2970 feet from (E) / W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: Mark LeSage Well #: 1  
Field Name: LeSage  
Producing Formation: Kansas City  
Elevation: Ground: 2139 Kelly Bushing: 2144  
Total Depth: 3600 Plug Back Total Depth: 3593  
Amount of Surface Pipe Set and Cemented at 224' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1706 Feet  
If Alternate II completion, cement circulated from 1706  
feet depth to surface w/ 290 sx cmf.  
Alt 2 - Dlg - 2/12/09

**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: Bach Oil Production  
Lease Name: Benoit License No.: 31569  
Quarter NE Sec. 13 Twp. 7 S. R. 21  East  West  
County: Graham Docket No.: 065231970000

**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: \_\_\_\_\_ Date: 11-6-06  
Subscribed and sworn to before me this 6<sup>th</sup> day of November,  
2006  
Notary Public: Marlene L. Decker  
Date Commission Expires: Jan. 25, 2009



**KCC Office Use ONLY**

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

**RECEIVED**  
NOV 09 2006  
KCC WICHITA

Operator Name: Bach Oil Production Lease Name: Mark LeSage Well #: 1  
 Sec. 7 Twp. 7 S. R. 20  East  West County: Rooks

**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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)  
 List All E. Logs Run:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
	Name Top Datum	
	Anhydrite 1746' +399'	
	Topeka 3120' -975'	
	Heebner Sh. 3324' -1181	
	Toronto 3349' -1206	
	LKC 3364' -1220	
	BKC 3556' -1412	
	Arbuckle 3592' -1449	
	TD 3600' -1456	

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	12 1/4	8 5/8	20	224'	common	160	
Production	7 7/8	5 1/2	14	3593	ASC	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1706	Common	290	

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
	Bridge Plug set at 3560'		
2	"K" 3542' to 3546' & "J" 3524' to 3528'	350 gal 15% MCA 200 rock salt & 350 gal 15% MCA Retreat	
		500 gal 20% NEFE 300 rock salt & 500 gal 20% NEFE	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	3550		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
09/10/06			<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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
	20	0	5		36

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  
 Production Interval  Other (Specify) \_\_\_\_\_

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KCC WICHITA

# ALLIED CEMENTING CO., INC. 24550

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

SERVICE POINT: Oakley

DATE <u>7-25-06</u>	SEC <u>7</u>	TWP. <u>73</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION <u>10:30 am</u>	JOB START <u>10:45 am</u>	JOB FINISH <u>11:30 am</u>
LEASE <u>Lease</u>	WELL # <u>1</u>	LOCATION <u>Damar + Old 24 3N</u>			COUNTY <u>Rocks</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one)							

CONTRACTOR KC Well Service

TYPE OF JOB Port Celler

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE 5 1/2" DEPTH \_\_\_\_\_

TUBING SIZE 2" DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL Port Celler DEPTH 1715'

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER Same

CEMENT

AMOUNT ORDERED 400 sks @ 60/80 per

6% Gel, 1/4" Flo-Seal

(used 290 sks)

COMMON	<u>174 - sks @</u>	<u>12.20</u>	<u>2,123.80</u>
POZMIX	<u>116 - sks @</u>	<u>6.10</u>	<u>707.60</u>
GEL	<u>15 - sks @</u>	<u>16.63</u>	<u>249.75</u>
CHLORIDE	_____ @	_____	_____
ASC	_____ @	_____	_____
<u>Flo-Seal 73 #</u>	<u>@</u>	<u>2.00</u>	<u>146.00</u>
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
HANDLING	<u>425 - sks @</u>	<u>1.90</u>	<u>807.50</u>
MILEAGE	<u>84 per sk/mile</u>	_____	<u>2,550.00</u>
TOTAL			<u>6,583.65</u>

**EQUIPMENT**

PUMP TRUCK # <u>373</u>	CEMENTER HELPER <u>Walt Andrew</u>
BULK TRUCK # <u>396</u>	DRIVER <u>Brian</u>
BULK TRUCK # _____	DRIVER _____

**REMARKS:**

Test Casing @ 1000' Hold  
Open tool, Pump into @ 3 Bbl @  
400' mixed 290 sks cement  
circ to surface, Displace 6 1/2 Bbl  
Close tool, test @ 1000' Hold  
ran 5 JTs, Wash out casing  
Thank You

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 935.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 75 mile @ 5.00 375.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

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KANSAS CORPORATION COMMISSION

DEC 20 2007

TOTAL 1,330.00

CONSERVATION DIVISION  
WICHITA KS  
PLUG & FLOAT EQUIPMENT

CHARGE TO: Back Oil Production

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

# ALLIED CEMENTING CO., INC.

21034

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

SERVICE POINT:

Russell

DATE <u>7-19-06</u>	SEC. <u>30</u>	TWP. <u>7</u>	RANGE <u>20</u>	CALLED OUT <u>1:30 PM</u>	ON LOCATION <u>3:30 PM</u>	JOB START <u>5:00 PM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>MARK L. SAGE</u>	WELL # <u>1-00</u>	LOCATION <u>DAMAR N. TO OLD 24 Hwy</u>		COUNTY <u>ROCKS</u>	STATE <u>KANSAS</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>1 N 1/2 W 1/4 N INTO</u>				

CONTRACTOR AMERICAN EAGLE #

TYPE OF JOB PRODUCTION STRING

HOLE SIZE 7 7/8 T.D. @ 3600'

CASING SIZE 5 1/2 New DEPTH @ 3593'

TUBING SIZE 14 # DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL AFU INSERT DEPTH @ 3571

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 22.08

CEMENT LEFT IN CSG. 2208

PERFS. \_\_\_\_\_

DISPLACEMENT 87 1/4 BAL

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 16.5 SK ASC. 29 gels

500 GAL WFR-2 Mud Flush

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@	<u>16.5</u>	<u>2161.50</u>
	@		
	@	<u>500</u>	<u>500.00</u>
	@		
	@		
	@		
	@		
	@		
HANDLING	@	<u>163</u>	<u>316.22</u>
MILEAGE	@	<u>1.00</u>	<u>1513.00</u>
TOTAL			<u>4038.65</u>

EQUIPMENT

PUMP TRUCK CEMENTER Galewin

# 398 HELPER GARY

BULK TRUCK

# 377 DRIVER WALT OAKLEY

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS: TOP

Port Collar on (40 JT.) (1701)

Land Plug @ 1200 # FLOAT HELD

15 SK @ Rat Hole

THANK'S

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 165.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE @ 500 375.00

MANIFOLD @ \_\_\_\_\_

Rotating Head @ 100.00

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DEC 20 2007

TOTAL 2035.00

CONSERVATION DIVISION  
PLUG & FLOAT EQUIPMENT

Guide Shoe	@		<u>165.00</u>
AFU INSERT	@		<u>250.00</u>
11-Centralizers	@	<u>50.00</u>	<u>550.00</u>
2-BASKETS	@	<u>150.00</u>	<u>300.00</u>
PORT Collar	@		<u>170.00</u>

CHARGE TO: BACH OIL

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment (B)

# ALLIED CEMENTING CO., INC. 25600

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

SERVICE POINT: K

DATE <u>7-13-06</u>	SEC. <u>30</u>	TWP. <u>10</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION <u>4:45AM</u>	JOB START <u>5:15P</u>	JOB FINISH <u>5:30PM</u>
LEASE <u>SKITZ</u>	WELL # <u>1-30</u>	LOCATION <u>DAMAR N TO OLD 24</u>	COUNTY <u>ROCK</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>				<u>IN 1W</u>			

CONTRACTOR AMERICAN OIL

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 224

CASING SIZE 8 5/8 DEPTH 223

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 13 1/4 322

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 160 CBM 3% OG 2% GEL

COMMON	<u>160</u>	@	<u>10.15</u>	<u>1704.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>16.65</u>	<u>49.95</u>
CHLORIDE	<u>5</u>	@	<u>46.60</u>	<u>233.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>168</u>	@	<u>1.90</u>	<u>319.20</u>
MILEAGE	<u>32 / 52 / MILE</u>			<u>873.00</u>
TOTAL				<u>3179.75</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER MARK

# 409 HELPER BOB

BULK TRUCK

# 410 DRIVER BROAD

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

CEMENT CTRL

THANKS

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 315.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 65 @ 5.00 325.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

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KANSAS CORPORATION COMMISSIONER

CHARGE TO: BACH OIL

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DEC 20 2007

TOTAL 440.00

CONSERVATION DIVISION  
WICHITA, KS  
PLUG & FLOAT EQUIPMENT

<u>8 5/8</u>	<u>WOOD</u>	@		<u>60.00</u>
		@		
		@		
		@		

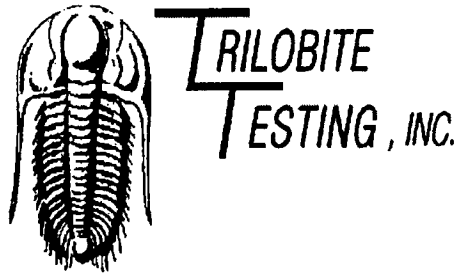
To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment

# DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISF/TIME	FFP/TIME	FSF/TIME	IHP/FHP	RECOVERY
1	Tor-A 3320- 3375'	28# 30# 30"	194# 30"	124# 49# 30"	278# 45"	1602/ 1540#	40' MUD
2	C - G 3385- 3475'	82# 170# 30"	253# 30"	187# 230# 45"	258# 45"	1677/ 1635#	240' Muddy Water 50' Oil sp. Mud 1% Oil 99% Mud
3	H - L 3470- 3565'	77# 111# 30"	516# 30"	117# 134# 30"	601# 30"	1740/ 1703#	40' Gassy Oil 100' HOCM 30% Oil 60' SOCM 10% Oil
4							
5							
6							
7							
8							

28#  
 30#  
 30"  
 194#  
 30"  
 124#  
 49#  
 30"  
 278#  
 45"  
 1602/  
 1540#

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 NOV 09 2006  
 KCC WICHITA



## DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

Box 723  
Alma NE 68920

ATTN: Jason Bach

**7 7S 20W Rooks KS**

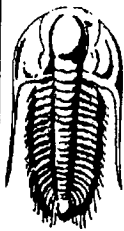
**Mark LeSage #1**

Start Date: 2006.07.16 @ 21:57:52

End Date: 2006.07.17 @ 04:18:01

Job Ticket #: 24681                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Bach Oil Production

**Mark LeSage #1**

Box 723  
Alma NE 68920

**7 7S 20W Rooks KS**

ATTN: Jason Bach

Job Ticket: 24681

DST#: 1

Test Start: 2006.07.16 @ 21:57:52

### GENERAL INFORMATION:

Formation: **Toronto & A**

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

Time Tool Opened: 00:01:32

Time Test Ended: 04:18:01

Test Type: **Conventional Bottom Hole**

Tester: **Paul Simpson**

Unit No: **29**

Interval: **3320.00 ft (KB) To 3375.00 ft (KB) (TVD)**

Total Depth: **3375.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2144.00 ft (KB)**

**2139.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6667**

**Inside**

Press@RunDepth: **49.06 psig @ 3323.00 ft (KB)**

Start Date: **2006.07.16**

End Date:

**2006.07.17**

Start Time: **21:57:52**

End Time:

**04:18:01**

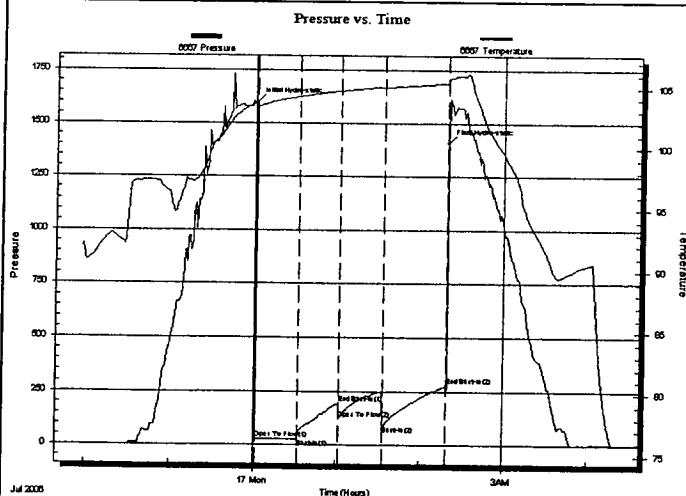
Capacity: **7000.00 psig**

Last Calib.: **2004.07.17**

Time On Btm: **2006.07.17 @ 00:01:02**

Time Off Btm: **2006.07.17 @ 02:20:16**

TEST COMMENT: IF Weak blow died in 3 minutes  
FF No blow  
driller rotated tool too many times at end of IF



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1601.72	103.88	Initial Hydro-static
1	28.32	103.51	Open To Flow (1)
31	29.66	104.27	Shut-in(1)
61	193.67	104.77	End Shut-in(1)
61	123.91	104.74	Open To Flow (2)
93	49.06	105.01	Shut-in(2)
139	277.82	105.40	End Shut-in(2)
140	1408.25	105.76	Final Hydro-static

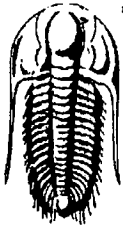
### Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud	0.31

### Gas Rates

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





**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

Mark LeSage #1

Box 723  
Alma NE 68920

7 7S 20W Rooks KS

Job Ticket: 24681      DST#: 1

ATTN: Jason Bach

Test Start: 2006.07.16 @ 21:57:52

### Tool Information

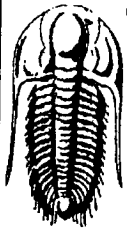
Drill Pipe:	Length: 3295.00 ft	Diameter: 3.80 inches	Volume: 46.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 46.36 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3320.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	81.00 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			3300.00	
Shut In Tool	5.00			3305.00	
Hydraulic tool	5.00			3310.00	
Packer	5.00			3315.00	21.00      Bottom Of Top Packer
Packer	5.00			3320.00	
Stubb	1.00			3321.00	
Perforations	1.00			3322.00	
Change Over Sub	1.00			3323.00	
Recorder	0.00	6667	Inside	3323.00	
Blank Spacing	32.00		Outside	3355.00	
Change Over Sub	1.00			3356.00	
Recorder	0.00	11058	Outside	3356.00	
Perforations	19.00			3375.00	
Bullnose	5.00			3380.00	60.00      Bottom Packers & Anchor

**Total Tool Length: 81.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Bach Oil Production

**Mark LeSage #1**

Box 723  
Alma NE 68920

**7 7S 20W Rooks KS**

ATTN: Jason Bach

Job Ticket: 24681

**DST#: 1**

Test Start: 2006.07.16 @ 21:57:52

### 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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mud	0.306

Total Length: 40.00 ft      Total Volume: 0.306 bbl

Num Fluid Samples: 0

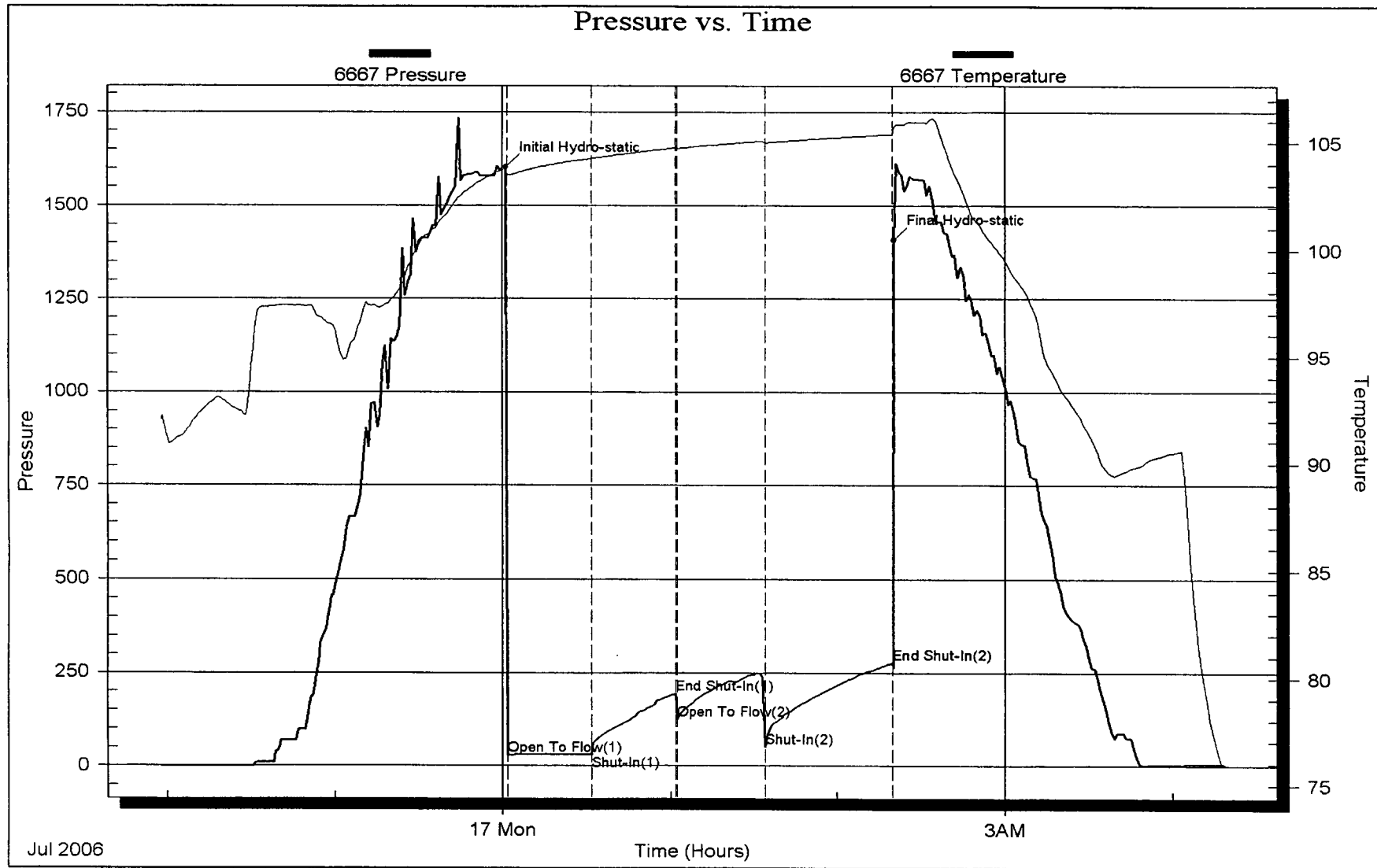
Num Gas Bombs: 0

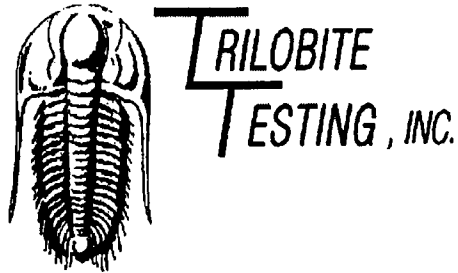
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

Box 723  
Alma NE 68920

ATTN: Jason Bach

**7 7S 20W Rooks KS**

**Mark LeSage #1**

Start Date: 2006.07.17 @ 16:33:15

End Date: 2006.07.17 @ 23:16:00

Job Ticket #: 24682                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Bach Oil Production

**Mark LeSage #1**

Box 723  
Alma NE 68920

**7 7S 20W Rooks KS**

ATTN: Jason Bach

Job Ticket: 24682

DST#: 2

Test Start: 2006.07.17 @ 16:33:15

### GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:17:15

Time Test Ended: 23:16:00

Test Type: Conventional Bottom Hole

Tester: Paul Simpson

Unit No: 29

Interval: **3385.00 ft (KB) To 3475.00 ft (KB) (TVD)**

Total Depth: 3475.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2144.00 ft (KB)

2139.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6667** Inside

Press@RunDepth: 229.97 psig @ 3393.00 ft (KB)

Start Date: 2006.07.17

End Date:

2006.07.17

Start Time: 16:33:20

End Time:

23:15:59

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2006.07.17 @ 18:16:45

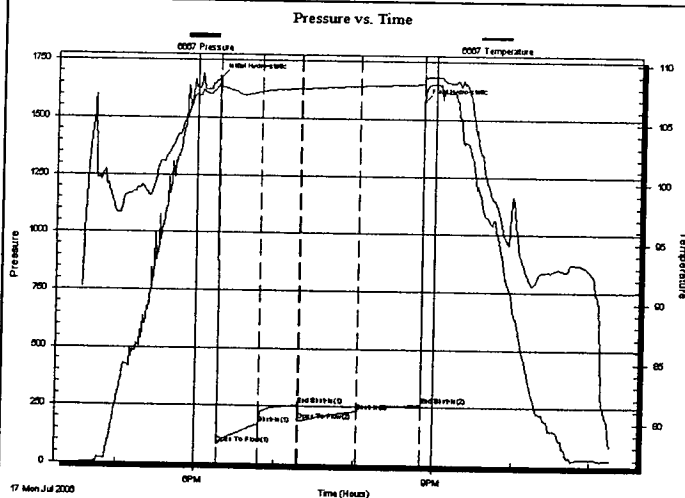
Time Off Btm: 2006.07.17 @ 20:50:29

TEST COMMENT: IF- 1" blow building to bottom of bucket in 8 minutes

ISI No blow

FF Surface blow building to 6"

FSI No blow



### PRESSURE SUMMARY

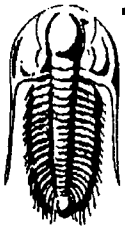
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1676.90	108.45	Initial Hydro-static
1	81.78	108.09	Open To Flow (1)
32	170.48	107.59	Shut-In(1)
61	253.34	107.91	End Shut-In(1)
61	186.88	107.88	Open To Flow (2)
106	229.97	108.15	Shut-In(2)
154	257.64	108.36	End Shut-In(2)
154	1575.11	109.19	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
240.00	Muddy water	3.11
150.00	Oil specked mud 1%O 99%M	2.10

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Bach Oil Production

**Mark LeSage #1**

Box 723  
Alma NE 68920

**7 7S 20W Rooks KS**

Job Ticket: 24682      **DST#: 2**

ATTN: Jason Bach

Test Start: 2006.07.17 @ 16:33:15

### Tool Information

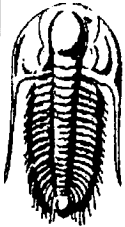
Drill Pipe:	Length: 3354.00 ft	Diameter: 3.80 inches	Volume: 47.05 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 47.19 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3385.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	116.00 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			3365.00	
Shut In Tool	5.00			3370.00	
Hydraulic tool	5.00			3375.00	
Packer	5.00			3380.00	21.00 Bottom Of Top Packer
Packer	5.00			3385.00	
Stubb	1.00			3386.00	
Perforations	6.00			3392.00	
Change Over Sub	1.00			3393.00	
Recorder	0.00	6667	Inside	3393.00	
Change Over Sub	1.00			3394.00	
Blank Spacing	62.00			3456.00	
Recorder	0.00	11058	Outside	3456.00	
Perforations	19.00			3475.00	
Bullnose	5.00			3480.00	95.00 Bottom Packers & Anchor

**Total Tool Length: 116.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Bach Oil Production

Mark LeSage #1

Box 723  
Alma NE 68920

7 7S 20W Rooks KS

ATTN: Jason Bach

Job Ticket: 24682

DST#: 2

Test Start: 2006.07.17 @ 16:33:15

**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:

80000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl
240.00	Muddy water	3.112
150.00	Oil specked mud 1%O 99%M	2.104

Total Length: 390.00 ft

Total Volume: 5.216 bbl

Num Fluid Samples: 0

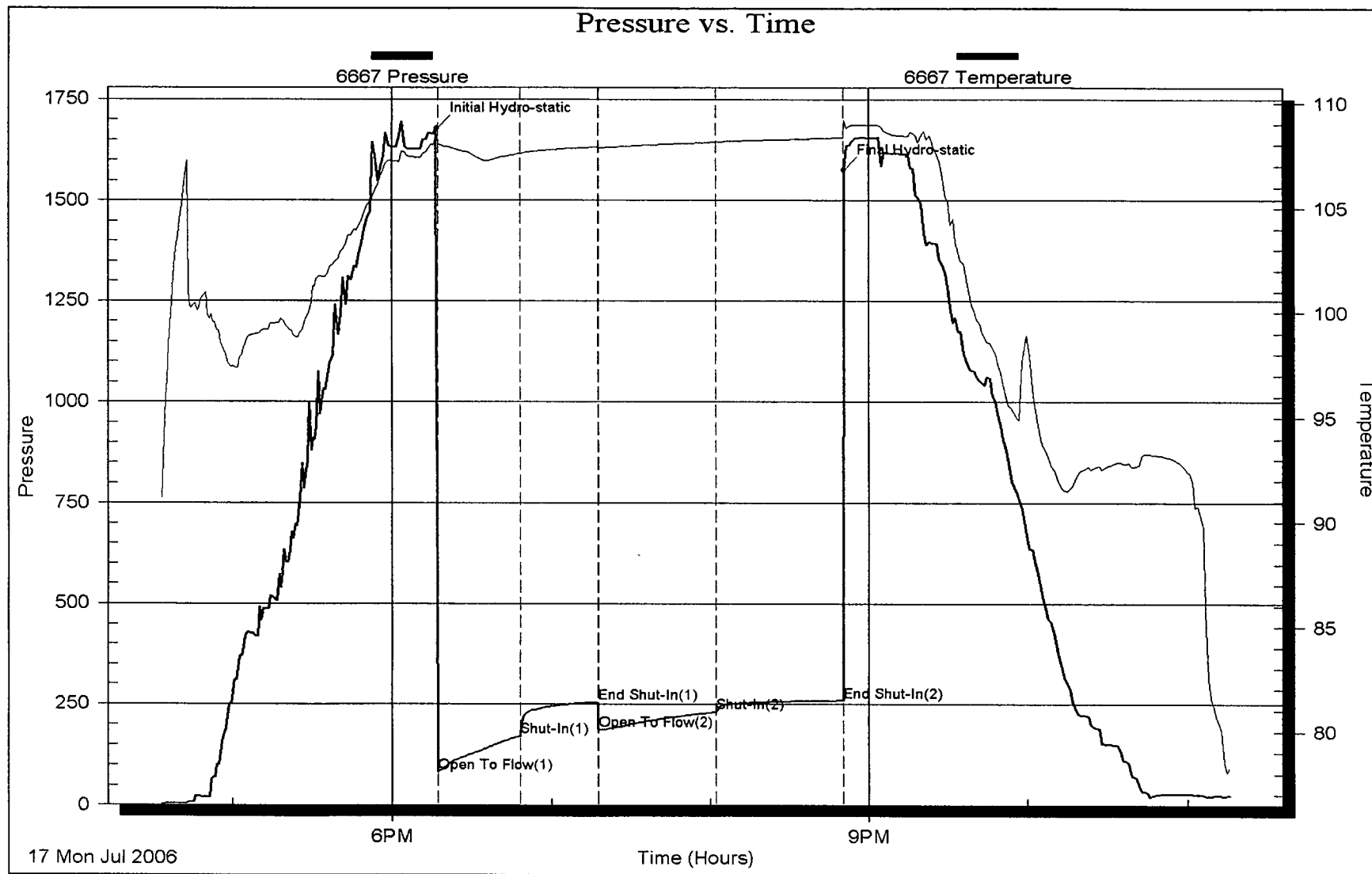
Num Gas Bombs: 0

Serial #:

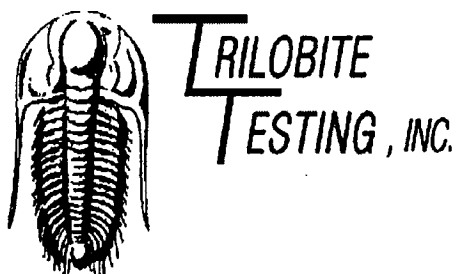
Laboratory Name:

Laboratory Location:

Recovery Comments: .08 @ 89







## DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

Box 723  
Alma NE 68920

ATTN: Jason Bach

**7 7S 20W Rooks KS**

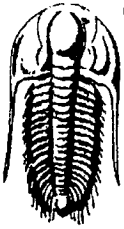
**Mark LeSage #1**

Start Date: 2006.07.18 @ 11:05:21

End Date: 2006.07.18 @ 17:03:00

Job Ticket #: 24683                      DST #: 3

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Bach Oil Production

**Mark LeSage #1**

Box 723  
Alma NE 68920

**7 7S 20W Rooks KS**

ATTN: Jason Bach

Job Ticket: 24683      **DST#: 3**

Test Start: 2006.07.18 @ 11:05:21

## GENERAL INFORMATION:

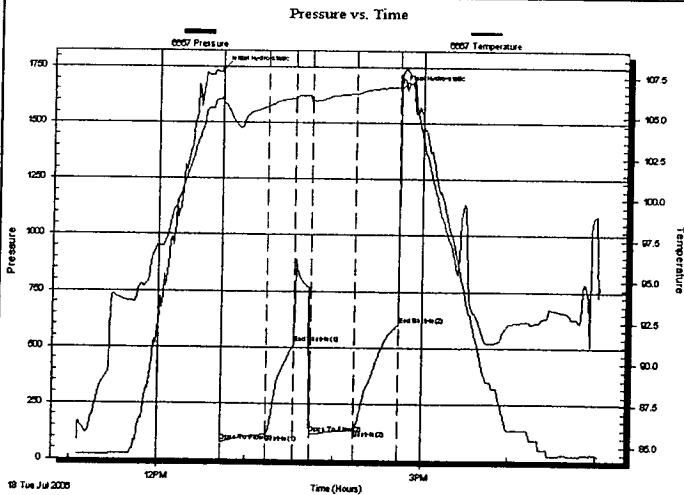
Formation: **Lansing H-L**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:43:16  
 Time Test Ended: 17:03:00  
 Interval: **3470.00 ft (KB) To 3565.00 ft (KB) (TVD)**  
 Total Depth: 3565.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Paul Simpson  
 Unit No: 28  
 Reference Elevations: 2144.00 ft (KB)  
 2139.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6667

Inside

Press@RunDepth: 133.66 psig @ 3478.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2006.07.18      End Date: 2006.07.18      Last Calib.: 2004.07.18  
 Start Time: 11:05:21      End Time: 17:03:00      Time On Btm: 2006.07.18 @ 12:43:01  
 Time Off Btm: 2006.07.18 @ 14:44:46

TEST COMMENT: IF 1" blow building to bottom of bucket in 28 minutes  
 ISI Surface blow  
 FF Surface blow building to bottom of bucket in 30 minutes  
 FIS Surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1739.87	106.27	Initial Hydro-static
1	76.88	105.83	Open To Flow (1)
31	111.37	105.66	Shut-In(1)
50	516.08	106.14	End Shut-In(1)
61	116.99	106.06	Open To Flow (2)
91	133.66	106.42	Shut-In(2)
122	600.80	106.86	End Shut-In(2)
122	1656.88	107.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCM 10%O 90%M	0.59
100.00	HOCM 30%O 70%M	1.40
40.00	Gassy Oil 10%G 90%O	0.56

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Bach Oil Production

**Mark LeSage #1**

Box 723  
Alma NE 68920

**7 7S 20W Rooks KS**

Job Ticket: 24683      **DST#: 3**

ATTN: Jason Bach

Test Start: 2006.07.18 @ 11:05:21

### Tool Information

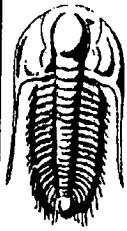
Drill Pipe:	Length: 3425.00 ft	Diameter: 3.80 inches	Volume: 48.04 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3470.00 ft			Final 3400.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	121.00 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			3450.00	
Shut In Tool	5.00			3455.00	
Hydraulic tool	5.00			3460.00	
Packer	5.00			3465.00	21.00      Bottom Of Top Packer
Packer	5.00			3470.00	
Stubb	1.00			3471.00	
Perforations	6.00			3477.00	
Change Over Sub	1.00			3478.00	
Recorder	0.00	6667	Inside	3478.00	
Change Over Sub	1.00			3479.00	
Blank Spacing	62.00			3541.00	
Recorder	0.00	11058	Outside	3541.00	
Perforations	24.00			3565.00	
Bullnose	5.00			3570.00	100.00      Bottom Packers & Anchor

**Total Tool Length: 121.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Bach Oil Production

Mark LeSage #1

Box 723  
Alma NE 68920

7 7S 20W Rooks KS

ATTN: Jason Bach

Job Ticket: 24683

DST#: 3

Test Start: 2006.07.18 @ 11:05:21

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 8.78 in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 29.5 deg API

Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOCM 10%O 90%M	0.587
100.00	HOCM 30%O 70%M	1.403
40.00	Gassy Oil 10%G 90%O	0.561

Total Length: 200.00 ft      Total Volume: 2.551 bbl

Num Fluid Samples: 0

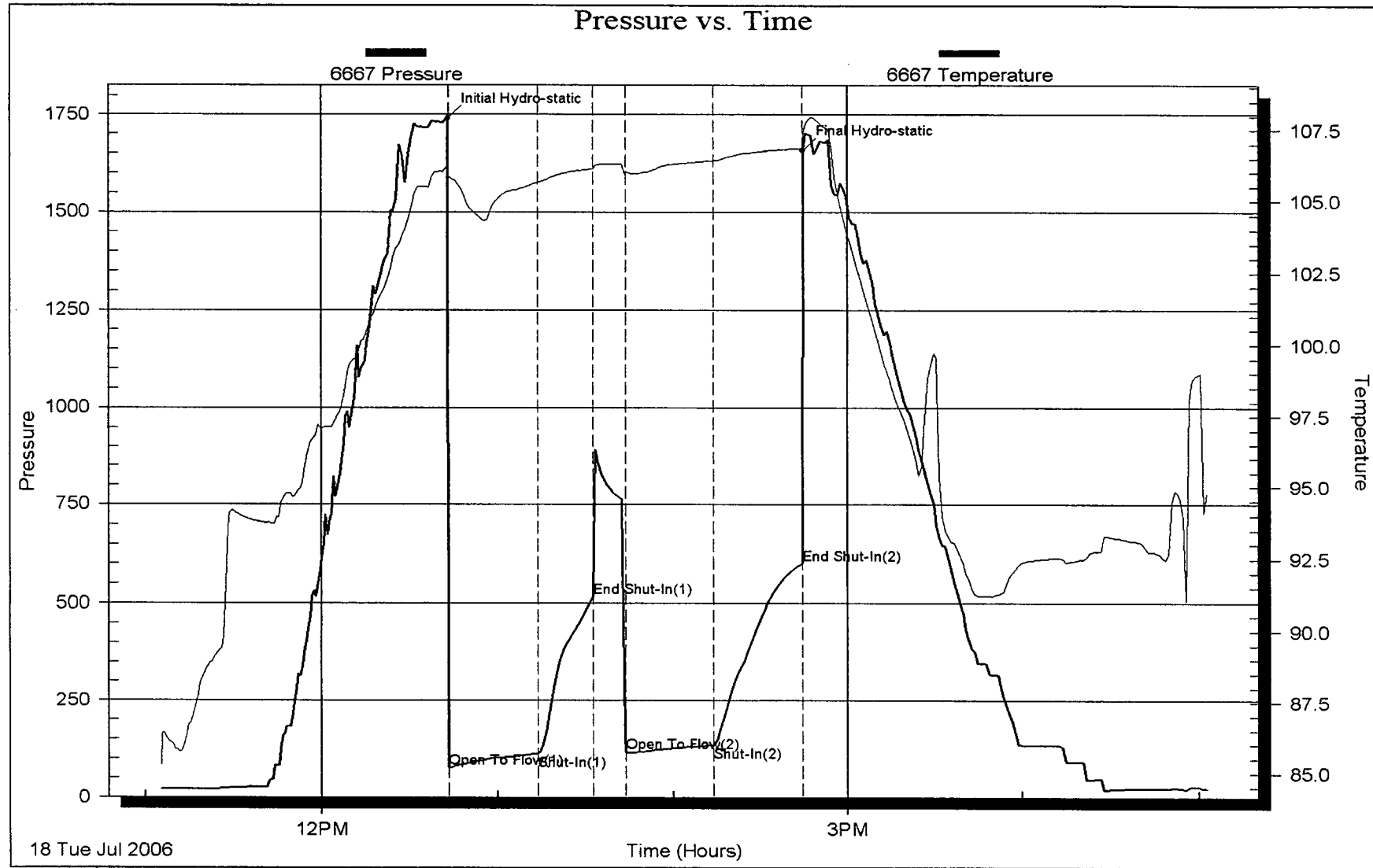
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 34@105



18 Tue Jul 2006