



KANSAS CORPORATION COMMISSION 1056381
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 # 31569
Name: Bach, Jason dba Bach Oil Production
Address 1: PO BOX 723
Address 2: _____
City: ALMA State: NE Zip: 68920 + 0723
Contact Person: Jason Bach
Phone: (308) 928-8920
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Bob Petersen
Purchaser: Coffeyville Resources

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 #: _____

<u>4/13/2011</u>	<u>4/17/2011</u>	<u>5/15/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-147-20642-00-00
Spot Description: _____
SE SW NE SW Sec. 30 Twp. 4 S. R. 20 East West
1420 Feet from North / South Line of Section
1720 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Phillips
Lease Name: Becker Well #: 1
Field Name: Wildcat
Producing Formation: LKC
Elevation: Ground: 2038 Kelly Bushing: 2043
Total Depth: 3510 Plug Back Total Depth: 3490
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 3510
feet depth to: 0 w/ 600 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 13000 ppm Fluid volume: 550 bbls
Dewatering method used: Evaporated
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: Deanna Cantor Date: 08/03/2011



1056381

Operator Name: Bach, Jason dba Bach Oil Production Lease Name: Becker Well #: 1
 Sec. 30 Twp. 4 S. R. 20 East West County: Phillips

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Rag	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1645</td> <td>+398</td> </tr> <tr> <td>Base Anhydrite</td> <td>1677</td> <td>+366</td> </tr> <tr> <td>Topeka</td> <td>3039</td> <td>-996</td> </tr> <tr> <td>Heebner</td> <td>3229</td> <td>-1186</td> </tr> <tr> <td>Toronto</td> <td>3257</td> <td>-1214</td> </tr> <tr> <td>Lansing</td> <td>3275</td> <td>-1232</td> </tr> <tr> <td>Base Kansas City</td> <td>3467</td> <td>-1424</td> </tr> </table>	Name	Top	Datum	Anhydrite	1645	+398	Base Anhydrite	1677	+366	Topeka	3039	-996	Heebner	3229	-1186	Toronto	3257	-1214	Lansing	3275	-1232	Base Kansas City	3467	-1424
Name	Top	Datum																							
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Base Kansas City	3467	-1424																							

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	12.25	8.625	20	220	COM	160	3% CC/2% Gel
Production	7.875	5.50	14	3510	AMD	600	10% Salt/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 <i>(Amount and Kind of Material Used)</i>	Depth
4	'1' @ 3413' to 3419'	300 gal 15% MCA; retreat 750 gal 20% NEFE; retreat 750 gal 20% NEFE	

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>3451</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR: <u>5/29/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>5</u>	Gas Mcf _____ Water Bbls. <u>50</u> Gas-Oil Ratio _____ Gravity <u>33</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>LKC</u>
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PO. BOX 31 Russell, KS 67665

AA 5571

INVOICE

Invoice Number: 126866

Invoice Date: Apr 13, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:

Bach Oil Production
R. R. #1 Box 28
Philipsburg, KS 67661

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Becker #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Oakley	Apr 11, 2011	5/13/11

Quantity	Item	Description	Unit Price	Amount
160.00	MAT	Class A Common	16.25	2,600.00
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
169.00	SER	Handling	2.25	380.25
90.00	SER	Mileage 169.sx @: 11 per sk per mi	18.59	1,673.10
1.00	SER	Surface	1,125.00	1,125.00
180.00	SER	Pump Truck Mileage	7.00	1,260.00
180.00	SER	Light Vehicle Mileage	4.00	720.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Wes Flinn		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1634.30

ONLY IF PAID ON OR BEFORE
May 8, 2011

Subtotal	8,171.30
Sales Tax	204.88
Total Invoice Amount	8,376.18
Payment/Credit Applied	
TOTAL	8,376.18

ALLIED CEMENTING CO., LLC. 039913

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

SERVICE POINT: Dickley, KS

DATE <u>4/11/11</u>	SECT. <u>30</u>	TWP. <u>4</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 PM</u>	JOB FINISH <u>6:00 PM</u>
LEASE <u>Becker</u>	WELL # <u>1</u>	LOCATION <u>Logan W to mm 45</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>W into</u>			

CONTRACTOR Martin 16 OWNER Same
 TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>218.6</u>
CASING SIZE <u>8 1/8</u>	DEPTH <u>218.0</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>12.93</u>	

CEMENT AMOUNT ORDERED 160 cu 3970 cc
207 gal

COMMON <u>160</u>	@ <u>16.25</u>	<u>2600.00</u>
POZMIX	@	
GEL <u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE <u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Alan</u>
# <u>422</u>	HELPER <u>Wayne</u>
BULK TRUCK	
# <u>404</u>	DRIVER <u>Wes</u>
BULK TRUCK	
#	DRIVER

HANDLING 169 sks @ 2.25 380.25
 MILEAGE 119 SK/mile @ 16.73 1990.87

TOTAL 5066.30

REMARKS:
Run 8 1/8 log, Circulate, Mix cement, Displace cement, Wash cell at Cement did Circulate
Thank you Alan, Wayne, Wes

CHARGE TO: Bach Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>90 x 2</u>	@ <u>7.00</u>	<u>1260.00</u>
MANIFOLD	@	
LTR Vehicle <u>90 x 2</u>	@ <u>4.00</u>	<u>720.00</u>

TOTAL 3105.00

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

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 126933

Invoice Date: Apr 18, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:
Bach Oil Production R/R #1 Box 28 Phillipsburg, KS 67661

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Becker #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Apr 18, 2011	5/18/11

Quantity	Item	Description	Unit Price	Amount
90.00	MAT	Class A Common	16.25	1,462.50
60.00	MAT	Pozmix	8.50	510.00
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Salt	23.95	143.70
450.00	MAT	AMD	23.55	10,597.50
750.00	MAT	Gilsonite	0.89	667.50
616.00	SER	Handling	2.25	1,386.00
70.00	SER	Mileage 616'sx @ .11 per sk per mi	67.76	4,743.20
1.00	SER	Production String	2,225.00	2,225.00
140.00	SER	Pump Truck Mileage	7.00	980.00
140.00	SER	Light Vehicle Mileage	4.00	560.00
14.00	EQP	5.5 Centralizer	51.00	714.00
4.00	EQP	5.5 Basket	236.00	944.00
1.00	EQP	5.5 AFU Float Shoe	245.00	245.00
1.00	EQP	5.5 Latch Down	194.00	194.00
1.00	CEMENTER	Shane Poche		
1.00	CEMENTER	Heath Long		
1.00	OPER:ASSIST	Tony Pfannenstiel		
1.00	OPER:ASSIST	Nick Williams		

<p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1.12% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF</p> <p>\$ 5087.23</p> <p>ONLY IF PAID ON OR BEFORE</p> <p>May 13, 2011</p>	Subtotal	25,436.15
	Sales Tax	1,056.85
	Total Invoice Amount	26,493.00
	Payment/Credit Applied	
	TOTAL	26,493.00

ALLIED CEMENTING CO., LLC. 039590

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

SERVICE POINT:

Russell

DATE <u>4/18/11</u>	SEC <u>30</u>	TWP. <u>45</u>	RANGE <u>20W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:45 AM</u>	JOB FINISH <u>4:45 A.M.</u>
LEASE <u>Becker</u>	WELL # <u>1</u>	LOCATION <u>Logan 2 1/2 W Ninth</u>			COUNTY <u>Phillips</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Murfin Drilling Rig #16
 TYPE OF JOB Production String
 HOLE SIZE 7 7/8 T.D. 3510
 CASING SIZE 5 1/4 14# DEPTH 3510, 86
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS LINE SHOE JOINT 14.48
 CEMENT LEFT IN CSG. 14.48
 PERFS.
 DISPLACEMENT 85.34 bbl

OWNER
 CEMENT
 AMOUNT ORDERED 450 AMO
150 60% 102 Salt 5# Gibbsite/sk.
29 bbl

EQUIPMENT
 PUMP TRUCK # 409 CEMENTER Shane, Heath
 # 481 HELPER Tony
 BULK TRUCK DRIVER Todd
 # 378 DRIVER Nick

COMMON	<u>90</u>	@ <u>16.25</u>	<u>1462.50</u>
POZMIX	<u>60</u>	@ <u>8.50</u>	<u>510.00</u>
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE		@	
ASC		@	
Salt	<u>6</u>	@ <u>23.95</u>	<u>143.70</u>
AMO	<u>450</u>	@ <u>23.55</u>	<u>10597.50</u>
Gilsonite	<u>750#</u>	@ <u>1.89</u>	<u>1417.50</u>
HANDLING	<u>616</u>	@ <u>2.25</u>	<u>1386.00</u>
MILEAGE	<u>111/sk/pt</u>		<u>4743.20</u>
TOTAL			<u>19,574.15</u>

REMARKS:

Rot Hole 30skts Mouse Hole 15skts
Run 5 1/2 to P.H. Est. Circulated
Mixed 450 AMO Good Tailed
19 15skts Shut down Released
Phy. Insert @ 3497.38
Displaced 85.34 bbl
75 bbl Cement Circulated
Landal Phy @ 1700 psf
Float Held!

CHARGE TO: Sach Oil Productions
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>2225.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>140</u>	@ <u>7.00</u>	<u>980.00</u>
MANIFOLD		@	
	<u>60m 140</u>	@ <u>4.00</u>	<u>560.00</u>
TOTAL			<u>3765.00</u>

PLUG & FLOAT EQUIPMENT

		@	
<u>14 Centralizers</u>		@ <u>51.00</u>	<u>714.00</u>
<u>4 Baskets</u>		@ <u>236.00</u>	<u>944.00</u>
<u>APU Float Shoe</u>		@	<u>245.00</u>
<u>1 catch clamp</u>		@	<u>194.00</u>

Thanks!

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

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: BECKER #1

LOC.: 1420' FSL & 1720' FWL
SEC. 30-4-20W

PHILLIPS COUNTY, KANSAS
API: 15-147-20642-00-00

ELEVATION

KB: 2043'
GL: 2038'
LOG MEASURED
FROM: KB

DRILLING CONTR.: MURFIN RIG #16
SPUD: 04-13-11 COMP: 04-17-11
MUD UP: 2800' TYPE MUD: CHEM.
DRILL TIME: 2900-RTD
RTD: 3510' LTD: 3503' (due to slough)
SAMPLES SAVED: 2900'-RTD
GEOLOGIST: ROBERT J. PETERSEN

SURFACE CASING

8 5/8" surface csg.
Set @220' KB.
Cem. w/160sx Common,
3% CC, 2% Gel.

PRODUCTION CASING

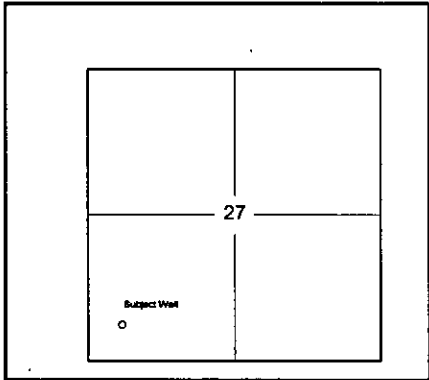
5 1/2" Set @3510'
W/ 600 SX Cem.

WELL LOG SURVEYS

RAG

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1645	+398	-14
Base Stone Corral	1677	+366	-15
Topeka	3039	-996	-21
Heebner	3229	-1186	-23
Toronto	3257	-1214	-23
Lansing	3275	-1232	-25
Base Kansas City	3467	-1424	-24



REFERENCE WELL:

NCRA
Becker #1
SW SW SW 31-4-20W
2070 KB

DAILY REPORT

@7:00 A.M.

4-13-11 MIRU, SPUD
4-14-11 680' Drilling
4-15-11 2405' Drilling
4-16-11 3230' Drilling
4-17-11 3510' RTD TOH for Log

REMARKS AND RECOMMENDATIONS

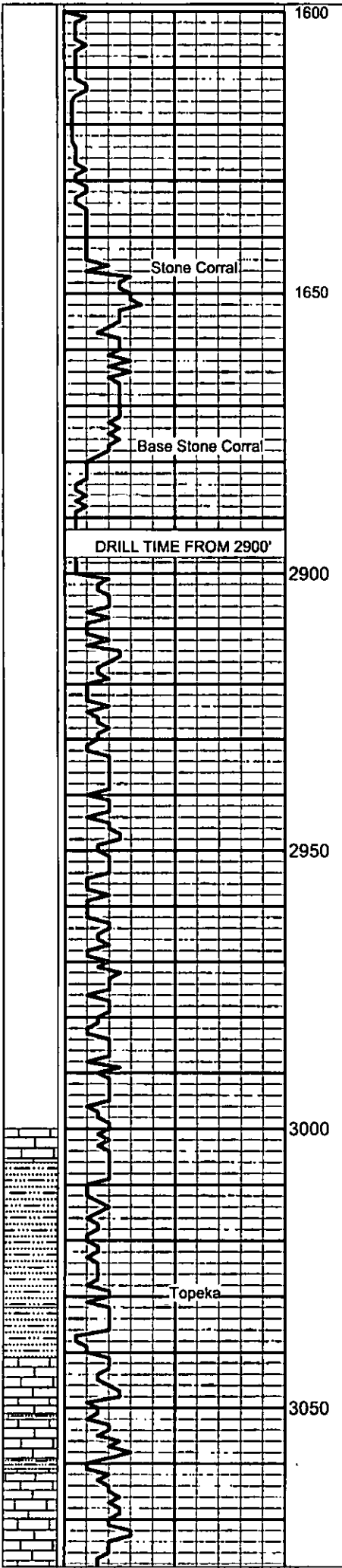
Production casing has been run to further test this well for commercial production.

Respectfully submitted,

Robert J. Petersen
Robert J. Petersen April 18, 2011

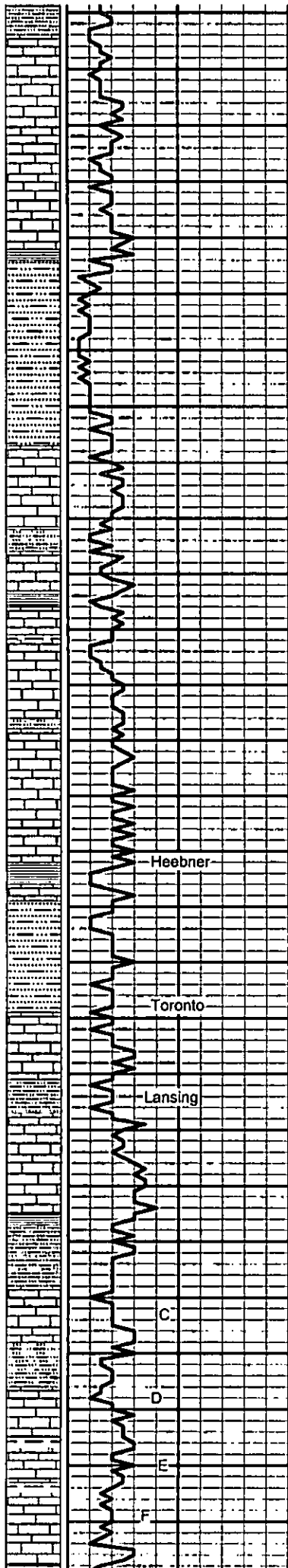
DRILL TIME MIN/FT		
0	5	10

NOTE: DST #1 WAS ATTEMPTED
BUT TOOL COULD NOT GET PAST
LOWER DAKOTA TRIPPING IN FOR TEST.



SAMPLE DESCRIPTION

- LS; Cream/gray, fine crystalline, chatky + SH; Gray + SS; Micaceous (10)
- LS; Cream/gray, fine crystalline, sl foss, chalky + SH; Gray (20)
- LS; Gray, dense + LS; Cream/tan, fine crystalline, foss (30)
- LS; Gray, dense + LS; Cream, dense, chalky + SH; Gray (40)
- LS; Cream, fine crystalline to dense, foss, chalky + SH; Gray (50)
- LS; Cream/gray, fine crystalline, foss + SH; Gray/trace SS; Gray, fine grained (60)
- SS; Gray, fine grained, well cemented, micaceous (70)
- SS; Cream, fine grained, well cemented + LS; Cream, fine crystalline, foss (80)
- LS; Gray, fine crystalline, foss + SH; Gray, calcareous, sandy (90)
- LS; Gray, fine crystalline to dense + SH; Gray, silty-sandy (3000)
- LS; Gray/cream, fine crystalline, chalky + SH; Gray (10-20)
- SH; Red/gray, silty-sandy (30)
- SS; Graym fine grained (30-40)
- SS; Cream, fine grained, well-cem to friable (40)
- LS; Gray/brown, fine crystalline, foss (50)
- SH; Dark gray (60)
- LS; Gray/cream, fine crystalline, foss, granular (60)
- LS; Cream/gray, fine crystalline, foss + SH; Gray, trace SS Wh/clear, fine graine, subrounded (70)
- SH; Red/gray + SS; Clear/white, fine grained, subrounded (80)
- LS; Cream/tt gray, fine crystalline to dense, foss (90)
- SS; Gray/dark gray, fine grained, subangular to angular, well-cem, trace Coarse Sand, Tan (90)



LS; Cream/gray, fine crystalline, foss, very chalky (3100)

LS; Cream, fine crystalline, foss, subgranular, chalky, cherty (blocky cream/tan) (10-20)

LS; Cream, fine crystalline, foss-granular, dolomitic, cherty, chalky + SH; Gray/red, silty, sandy (30)

SH; Black (40-50)

Vis 64
Wt 8.7
LCM 1.5#

SS; Gray, fine grained, calcareous + LS; Cream/tan, fine crystalline, chalky (50-60)

SH; Red, silty (70)

LS; Cream, fine crystalline, foss, chalky (70)

LS; Cream/gray, fine crystalline, foss, chalky (80)

SH; Red/gray, silty-sandy (90)

LS; Cream, fine crystalline, foss (3200)

SH; Black (3200)

Vis 64
Wt 8.7
LCM 1.5 #

LS; Cream/lt gray, fine crystalline, foss, chalky (10)

SHORT TRIP
3200'

LS; Lt gray, fine crystalline, very foss-subgranular, mottled, chalky (20)

SH; Red/gray (20)

LS; Cream/lt gray, fine crystalline, foss-subgranular, chalky-cherty (30)

LS; Gray, fine crystalline to dense, foss, chert (40)

SH; Black (flood 50)

LS; Gray/tan, fine crystalline, foss (50)

SH; Red/gray/green, sandy (60)

SH; Red, silty-sandy + SS; Gray, fine grained, well-cemented, friable (70)

LS; Cream, fine crystalline, foss, chalky (70)

LS; Cream/white, fine crystalline, foss, chalky, sl dolomitic, cherty w/barren poor fossil-cast por, poss trace dead stain (80)

SH; Red/gray, silty (90)

LS; Cream/gray, fine crystalline, ool-granular, chalky (90)

LS; Cream, fine crystalline to dense, ool, cherty (3300)

LS; Cream/lt gray, fine crystalline, foss, chalky (10)

SH; Black (trace 10)

SH; Red/gray, silty (20)

Attempted DST #1
3285-3310'

LS; Cream, fine crystalline, foss-subgranular w/fair to good intergran/fossil-cast por, ssfo, faint odor, light med brown stain on dry (20/20*)

LS; Cream, fine crystalline, foss, chalky-cherty (20/40*)

SH; Red (20/40' -00)

LS; Cream, fine crystalline, foss-subgranular, w/trace fossilcast por, tarry oil, no odor (40)

SH; Black (40)

LS; Cream, fine crystalline, foss, w/poor fossil-cast por, partially barren, trace stain (50)

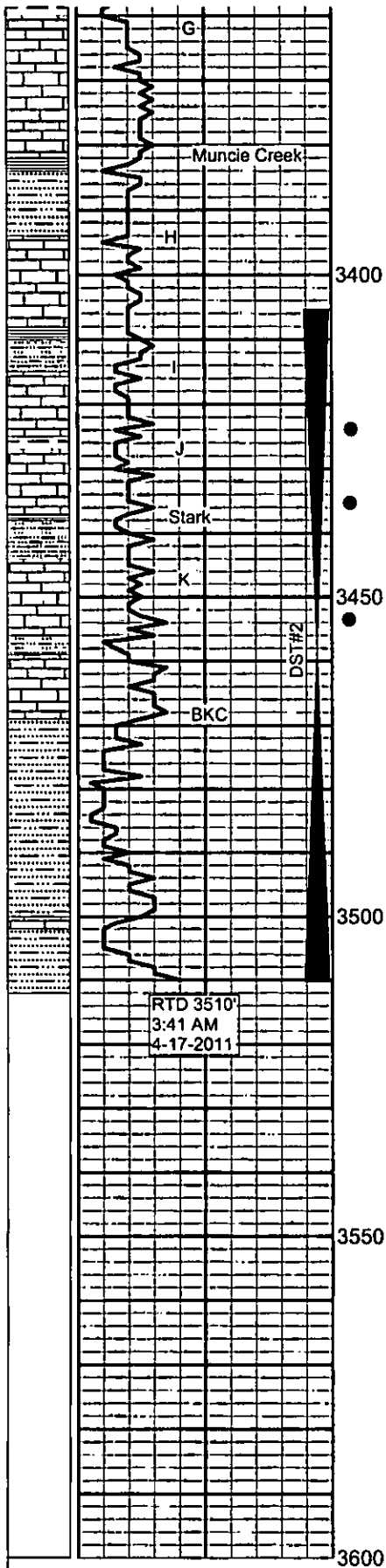
SH; Red (50)

LS; Cream, fine crystalline, oolitic-granular, chalky (60)

Vis 57
Wt 9.0

LS; Cream, fine crystalline, oolitic, dolomitic, chalky, trace dead stain (70)

SH; Red, silty (70)



LS; Cream, fine crystalline, foss, dolo, chalky (80)

LS; Cream/tt gray, dense, cherty, sl dolo, chalky (3390-3400)

SH; Black (3400)

SH; Red/gray, silty-sandy (10)

LS; Cream/tt gray, fine crystalline, foss, sl dolo, chalky (10)

LS; Gray, fine crystalline to dense (20)

SH; Red/gray, silty-sandy (30)

LS; Cream, fine crystalline to dense, foss w/poor fossil-cast por, sfo, dark (black) sat on dry, ft odor (30-40)

SH; Red/gray (40)

LS; Cream/tt gray, fine crystalline to dense, foss, trace ppt por, spot sal, vssfo (50)

SH; Black (60)

SH; Red (60)

LS; Cream/tt gray, fine crystalline, foss, chalky, tr ppt por, tr stain, vssfo (70)

SH; Red/gray, silty (70)

LS; Cream, fine crystalline, ool-granular, chalky (90)

SH; Red/gray, silty-sandy (90)

SH; Red, calcareous, sandy (3500)

SH; Gray (10)

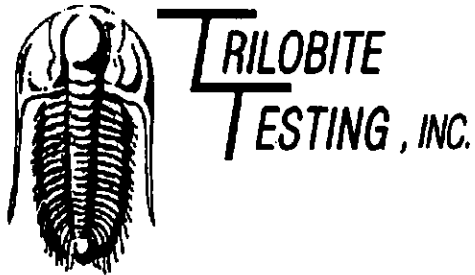
LS; Cream/tan, fine crystalline, foss, chalky (10)

SH; Red, silty-sandy + LS; Cream, dense, chalky + Chert; Gray, dense (3310/30)

Vis 63
WT 9.1
LCM 4#

DST #2
3405-3510'
45-45-45-60"
IF: 9.75" in 45 min
FF: 5 in 45 min
Recovered:
80' MCO
120' OCM
SIP: 1020-1012#
FP: 24-85/87-108#

VIS 64
WT 9.1
LCM 4#



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

30-4-20w Phillips,KS

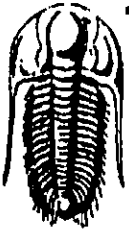
Becker #1

Start Date: 2011.04.16 @ 15:45:23

End Date: 2011.04.16 @ 17:45:23

Job Ticket #: 42817 DST #: 1

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42817 **DST#: 1**

ATTN: Bob Peterson

Test Start: 2011.04.16 @ 15:45:23

GENERAL INFORMATION:

Formation: **LKC "C"**

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

Time Tool Opened:

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Time Test Ended: **17:45:23**

Unit No: **47**

Interval: **3295.00 ft (KB) To 3320.00 ft (KB) (TVD)**

Reference Elevations: **2043.00 ft (KB)**

Total Depth: **3320.00 ft (KB) (TVD)**

2038.00 ft (CF)

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

KB to GR/CF: 5.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ **3296.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.04.16** End Date: **2011.04.16**

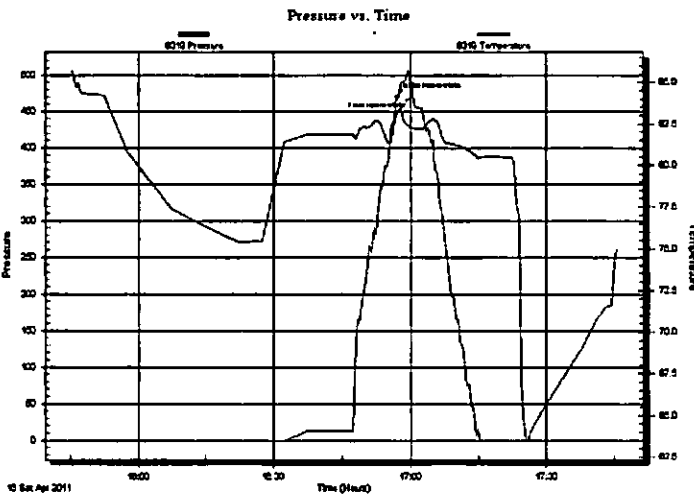
Last Calib.: **2011.04.16**

Start Time: **15:45:28** End Time: **17:45:23**

Time On Btm: **2011.04.16 @ 16:56:53**

Time Off Btm: **2011.04.16 @ 17:00:23**

TEST COMMENT: **Hit a bridge at 1055ft Ms-run**



PRESSURE SUMMARY

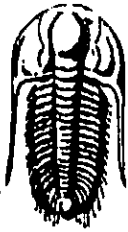
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	470.84	83.01	Initial Hydro-static
4	473.82	82.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42817

DST#: 1

ATTN: Bob Peterson

Test Start: 2011.04.16 @ 15:45:23

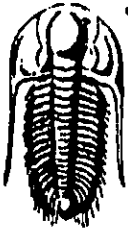
Tool Information

Drill Pipe:	Length: 970.00 ft	Diameter: 3.80 inches	Volume: 13.61 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	-2267.00 ft			String Weight: Initial	lb
Depth to Top Packer:	3295.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	53.00 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			3268.00	
Shut In Tool	5.00			3273.00	
Hydraulic tool	5.00			3278.00	
Jars	5.00			3283.00	
Safety Joint	2.00			3285.00	
Packer	5.00			3290.00	28.00 Bottom Of Top Packer
Packer	5.00			3295.00	
Stubb	1.00			3296.00	
Recorder	0.00	6753	Inside	3296.00	
Recorder	0.00	8319	Outside	3296.00	
Perforations	21.00			3317.00	
Bullnose	3.00			3320.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42817

DST#: 1

ATTN: Bob Peterson

Test Start: 2011.04.16 @ 15:45:23

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: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf

Total Length:

ft

Total Volume:

bbf

Num Fluid Samples: 0

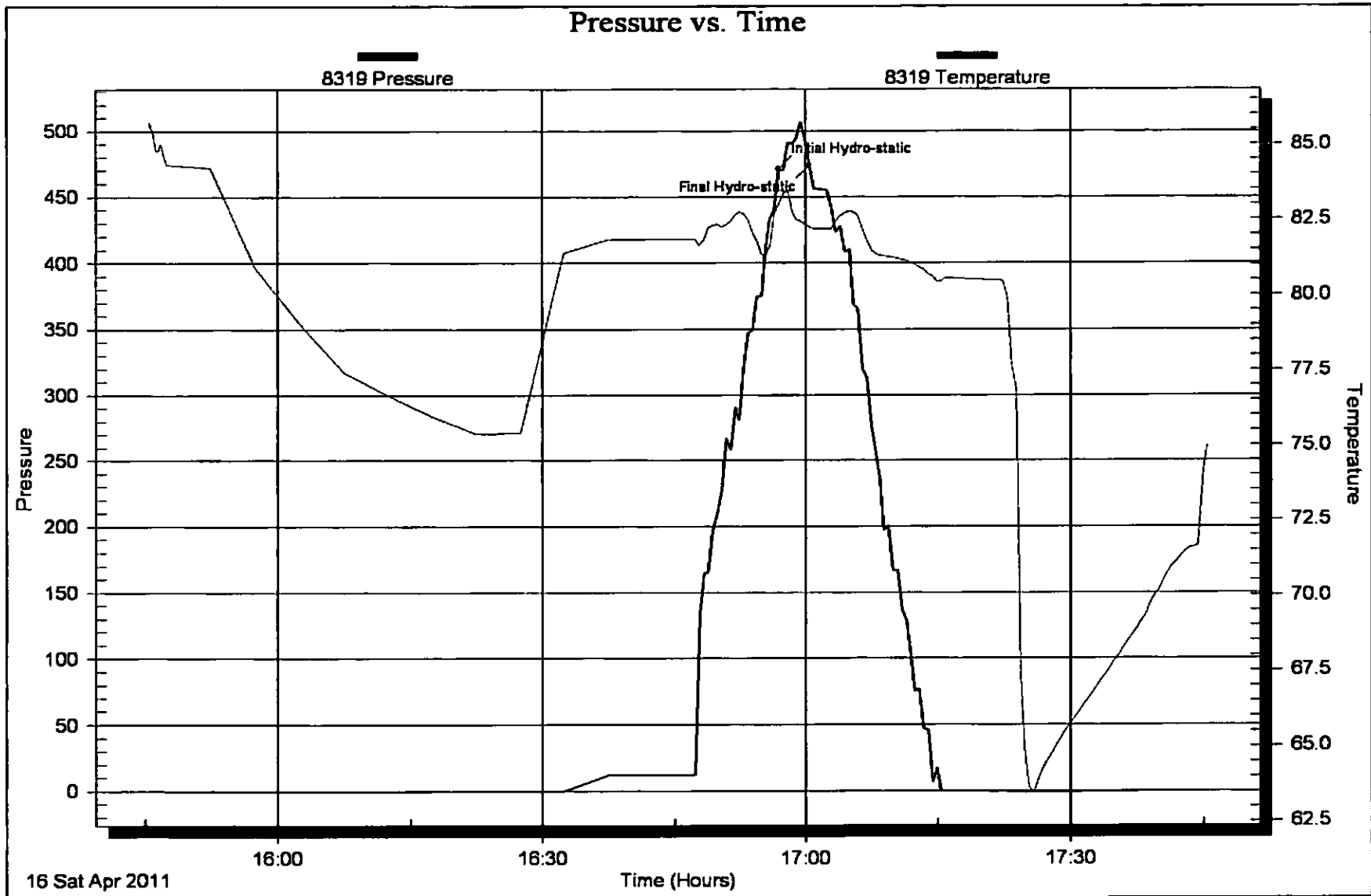
Num Gas Bombs: 0

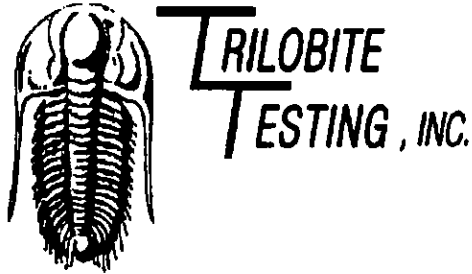
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

30-4-20w Phillips,KS

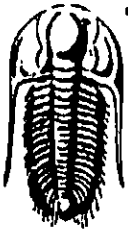
Becker #1

Start Date: 2011.04.17 @ 09:45:32

End Date: 2011.04.17 @ 17:20:32

Job Ticket #: 42818 DST #: 2

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42818

DST#: 2

ATTN: Bob Peterson

Test Start: 2011.04.17 @ 09:45:32

GENERAL INFORMATION:

Formation: **LKC "I,J"**

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

Time Tool Opened: 12:17:32

Time Test Ended: 17:20:32

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **47**

Interval: **3405.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Reference Elevations: **2043.00 ft (KB)**

Total Depth: **3510.00 ft (KB) (TVD)**

2038.00 ft (CF)

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

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

Serial #: 6753 Inside

Press@RunDepth: **107.81 psig @ 3406.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.04.17**

End Date: **2011.04.17**

Last Calib.: **2011.04.17**

Start Time: **09:45:37**

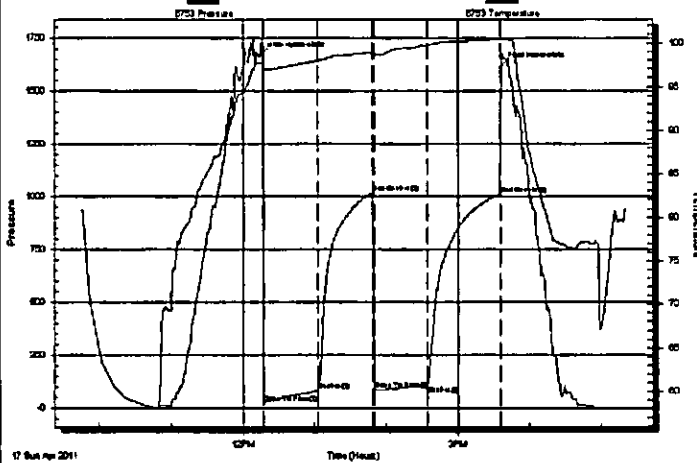
End Time: **17:20:31**

Time On Btm: **2011.04.17 @ 12:14:32**

Time Off Btm: **2011.04.17 @ 15:36:32**

TEST COMMENT: IF-9.75 in blow
IS-No blow
FF-5 in blow
FS-No blow

Pressure vs. Time



PRESSURE SUMMARY

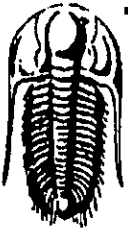
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.64	97.70	Initial Hydro-static
3	23.91	96.66	Open To Flow (1)
49	84.85	97.93	Shut-In(1)
95	1020.06	98.96	End Shut-In(1)
96	87.02	98.70	Open To Flow (2)
140	107.81	99.79	Shut-In(2)
201	1012.32	100.45	End Shut-In(2)
202	1616.95	100.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCM 15%O 85%M	0.30
60.00	OCM 40%O 60%M	0.30
60.00	MCO 70%O 30%M	0.30
20.00	MCO 55%O 45%M	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42818

DST#: 2

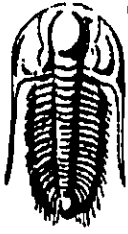
ATTN: Bob Peterson

Test Start: 2011.04.17 @ 09:45:32

Tool Information

Drill Pipe:	Length: 3170.00 ft	Diameter: 3.80 inches	Volume: 44.47 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3405.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	133.00 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			3378.00	
Shut In Tool	5.00			3383.00	
Hydraulic tool	5.00			3388.00	
Jars	5.00			3393.00	
Safety Joint	2.00			3395.00	
Packer	5.00			3400.00	28.00 Bottom Of Top Packer
Packer	5.00			3405.00	
Stubb	1.00			3406.00	
Recorder	0.00	6753	Inside	3406.00	
Recorder	0.00	8319	Outside	3406.00	
Perforations	6.00			3412.00	
Change Over Sub	1.00			3413.00	
Drill Pipe	63.00			3476.00	
Change Over Sub	1.00			3477.00	
Perforations	30.00			3507.00	
Bullnose	3.00			3510.00	105.00 Bottom Packers & Anchor
Total Tool Length:	133.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42818 **DST#: 2**

ATTN: Bob Peterson

Test Start: 2011.04.17 @ 09:45:32

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOCM 15%O 85%M	0.295
60.00	OCM 40%O 60%M	0.295
60.00	MCO 70%O 30%M	0.295
20.00	MCO 55%O 45%M	0.098

Total Length: 200.00 ft Total Volume: 2.533 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

