

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 # 33269  
Name: Central Operating, Inc  
Address: 1600 Broadway Suite #1050  
City/State/Zip: Denver, CO 80202  
Purchaser: NCRA  
Operator Contact Person: P.A. Brew  
Phone: (303) 894-9576  
Contractor: Name: Murfin Drilling Co  
License: 30606  
Wellsite Geologist: Neal LaFon

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>08-02-06</u>	<u>08-08-06</u>	<u>08-09-06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25542-0000  
County: Ellis  
SW SE SW Sec. 1 Twp. 15 S. R. 19  East  West  
1040 1020 feet from (S) N (circle one) Line of Section  
1730 feet from E (W) (circle one) Line of Section  
per cor. intent - KCC-Dlg  
Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW (SW)  
Lease Name: Fredd Haas Well #: 1  
Field Name: Dechant  
Producing Formation: L-KC & Arbuckle

Elevation: Ground: 2087' Kelly Bushing: 2092'  
Total Depth: 3685' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 220' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1307.47' Feet  
If Alternate II completion, cement circulated from N/A 1307  
feet depth to \_\_\_\_\_ w/ 150 sx cmt.  
Alt 2 - Dlg - 2/12/09

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content 8000 ppm Fluid volume 4000 bbbls  
Dewatering method used Allowed to dry

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: P.A. Brew  
Title: President Date: 11-14-06  
Subscribed and sworn to before me this 14<sup>th</sup> day of November,  
2006.  
Notary Public: Walker J. O'Leary  
Date Commission Expires: May 28, 2007

**KCC Office Use ONLY**

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

**RECEIVED**  
NOV 20 2006  
KCC WICHITA

Operator Name: Central Operating, Inc Lease Name: Fredd Haas Well #: 1  
 Sec. 1 Twp. 15 S. R. 19  East  West County: Ellis

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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 <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Radiation Guard                  Micro Log</b>	<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>Stone Corral</td> <td>1290'</td> <td>+802'</td> </tr> <tr> <td>Topeka</td> <td>3053'</td> <td>-961'</td> </tr> <tr> <td>Heebner</td> <td>3328'</td> <td>-1236'</td> </tr> <tr> <td>Toronto</td> <td>3354'</td> <td>-1262'</td> </tr> <tr> <td>L-KC</td> <td>3374'</td> <td>-1282'</td> </tr> <tr> <td>Bose L-KC</td> <td>3630'</td> <td>-1538'</td> </tr> <tr> <td>Arbuckle</td> <td>3672'</td> <td>-1580'</td> </tr> </table>	Name	Top	Datum	Stone Corral	1290'	+802'	Topeka	3053'	-961'	Heebner	3328'	-1236'	Toronto	3354'	-1262'	L-KC	3374'	-1282'	Bose L-KC	3630'	-1538'	Arbuckle	3672'	-1580'
Name	Top	Datum																							
Stone Corral	1290'	+802'																							
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L-KC	3374'	-1282'																							
Bose L-KC	3630'	-1538'																							
Arbuckle	3672'	-1580'																							

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	220'	Comm	150	3%CC 2 % Gel
production	7 7/8	5 1/2	14	3672.64'	60/40 poz	425	6% gel 1/4# flocele

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	Open Hole Completion	None	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8	1839.75	None		
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
September 7, 2006			<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	68	0	0			

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 \_\_\_\_\_

**RECEIVED**  
 NOV 20 2006  
 KCC WICHITA



# ALLIED CEMENTING CO., INC.

27937

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

SERVICE POINT: 2

DATE <u>8-8-06</u>	SEC. <u>1</u>	TWP. <u>15</u>	RANGE <u>19 W</u>	CALLED OUT	ON LOCATION <u>10:00AM</u>	JOB START <u>1:15PM</u>	JOB FINISH <u>1:45PM</u>
<u>FIXED</u> LEASE <u>HAAS</u>	WELL # <u>1</u>	LOCATION <u>ANTONINO 15 1/2 1/2 N</u>			COUNTY <u>ELLIS</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>W INTO</u>			

CONTRACTOR MURPHY

TYPE OF JOB D-V Bottom

HOLE SIZE 7 7/8 T.D. 3682

CASING SIZE 5 1/2 DEPTH 3672

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

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

TOOL D-V DEPTH 1307

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

MEAS. LINE \_\_\_\_\_ SHOE JOINT 16.49

CEMENT LEFT IN CSG. 16.49

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

DISPLACEMENT 89 1/4 BBL

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 150 ASC 290 GAL  
500 GAL WFR-2

EQUIPMENT

PUMP TRUCK CEMENTER MARK

# 366 HELPER PAUL

BULK TRUCK

# 410 DRIVER BOB

BULK TRUCK

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

COMMON	_____	@	_____	_____
POZMIX	_____	@	_____	_____
GEL	<u>3</u>	@	<u>16.65</u>	<u>49.95</u>
CHLORIDE	_____	@	_____	_____
ASC	<u>150</u>	@	<u>13.10</u>	<u>1965.00</u>
_____	_____	@	_____	_____
WFR-2	<u>500 gals</u>	@	<u>1.00</u>	<u>500.00</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
HANDLING	<u>153</u>	@	<u>1.90</u>	<u>290.70</u>
MILEAGE	<u>94/54 MILE</u>	_____	_____	<u>481.95</u>
TOTAL	_____	_____	_____	<u>3287.60</u>

REMARKS:

SET PACER SHOE w/1200#  
PLUG LAMBS  
FLOAT AELS

*Handwritten signature*

CHARGE TO: CENTRAL

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB	_____	_____	_____
PUMP TRUCK CHARGE	_____	_____	<u>1610.00</u>
EXTRA FOOTAGE	_____	@	_____
MILEAGE	<u>35</u>	@	<u>6.00</u> <u>210.00</u>
MANIFOLD	_____	@	_____
_____	_____	@	_____
TOTAL	_____	_____	<u>1820.00</u>

PLUG & FLOAT EQUIPMENT

<u>5 1/2</u>	_____	_____	_____
PACER SHOE	_____	@	<u>1325.00</u>
LATCH DOWN ASSEM	_____	@	<u>375.00</u>
4-CENT	_____	@	<u>50.00</u> <u>300.00</u>
2-BASKET	_____	@	<u>150.00</u> <u>300.00</u>
STAGE COLLAR	_____	@	<u>3500.00</u>
TOTAL	_____	_____	<u>5800.00</u>

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Joe Borke

Joe Borke  
PRINTED NAME

RECEIVED  
NOV 20 2006  
KCC WICHITA

# ALLIED CEMENTING CO., INC.

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

SERVICE POINT 27960  
Russell

DATE <u>8-2-05</u>	SEC. <u>1</u>	TWP. <u>15</u>	RANGE <u>19</u>	CALLED OUT <u>3:00 PM</u>	ON LOCATION <u>5:30 PM</u>	JOB START	JOB FINISH <u>9:00 AM</u>
LEASE <u>HANS</u>	WELL # <u>1</u>	LOCATION <u>Antonio</u>			COUNTY <u>Ellis</u>	STATE <u>K</u>	
OLD OR NEW (Circle one)							

CONTRACTOR MULLIN #8

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 5/8 DEPTH 220

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 13.85 bbls

OWNER

CEMENT

AMOUNT ORDERED 160pb Con 3-2

COMMON	<u>160</u>	@	<u>1065</u>	<u>1704.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>1665</u>	<u>4995</u>
CHLORIDE	<u>5</u>	@	<u>4660</u>	<u>23300</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>168</u>	@	<u>190</u>	<u>31920</u>
MILEAGE	<u>94</u>	<u>154 MILE</u>		<u>52920</u>
TOTAL				<u>2835.35</u>

EQUIPMENT

PUMP TRUCK CEMENTER Bill

# 409 HELPER Mark

BULK TRUCK

# 410 DRIVER BOUG

BULK TRUCK

# DRIVER

REMARKS:

Ran 5 jts of 8 5/8 at l

Cemt w/ 160 pb

pump plus w/ 12 1/2 bbls of water

Cemt did fine

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>815.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>35</u>	@	<u>600</u> <u>210.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL <u>1025.00</u>			

CHARGE TO: Central Op. Inc.

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

<u>1-8 5/8 wood</u>	@	<u>60.00</u>
	@	
	@	
	@	
	@	
TOTAL <u>60.00</u>		

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

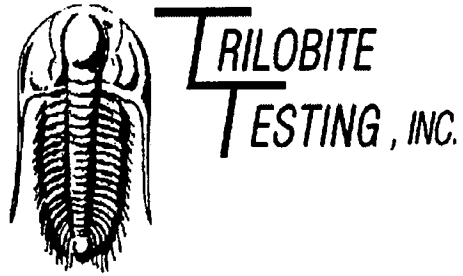
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Larry Pickner

LARRY PICKNER  
PRINTED NAME

NOV 20 2006

KCC WICHITA



## DRILL STEM TEST REPORT

Prepared For: **Central Operating Inc**  
1600 Broadway Ste 1050  
Denver CO 80202

ATTN: Neal A Lafon

**1 15 19 Ellis KS**

**Fredd Haas #1**

Start Date: 2006.08.06 @ 11:11:25

End Date: 2006.08.06 @ 17:57:55

Job Ticket #: 25146                      DST #: 1

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

Central Operating Inc

Fredd Haas #1

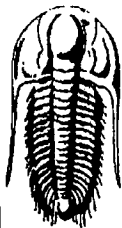
1 15 19 Ellis KS

DST # 1

LKC C

2006.08.06





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Central Operating Inc  
1600 Broadway Ste 1050  
Denver CO 80202

**Fredd Haas #1**

**1 15 19 Ellis KS**

Job Ticket: 25146

**DST#: 1**

ATTN: Neal A Lafon

Test Start: 2006.08.06 @ 11:11:25

### Tool Information

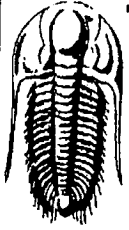
Drill Pipe:	Length: 3237.00 ft	Diameter: 3.80 inches	Volume: 45.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 155.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 30000.00 lb
			<u>Total Volume: 46.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3386.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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			3359.00	
Shut In Tool	5.00			3364.00	
Hydraulic tool	5.00			3369.00	
Jars	5.00			3374.00	
Safety Joint	3.00			3377.00	
Packer	4.00			3381.00	28.00 Bottom Of Top Packer
Packer	5.00			3386.00	
Stubb	1.00			3387.00	
Perforations	1.00			3388.00	
Recorder	0.00	8018	Inside	3388.00	
Perforations	17.00			3405.00	
Recorder	0.00	11084	Outside	3405.00	
Bullnose	3.00			3408.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 50.00**





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Central Operating Inc  
1600 Broadway Ste 1050  
Denver CO 80202  
ATTN: Neal A Lafon

**Fredd Haas #1**  
**1 15 19 Ellis KS**  
Job Ticket: 25146      **DST#: 1**  
Test Start: 2006.08.06 @ 11:11:25

**Mud and Cushion Information**

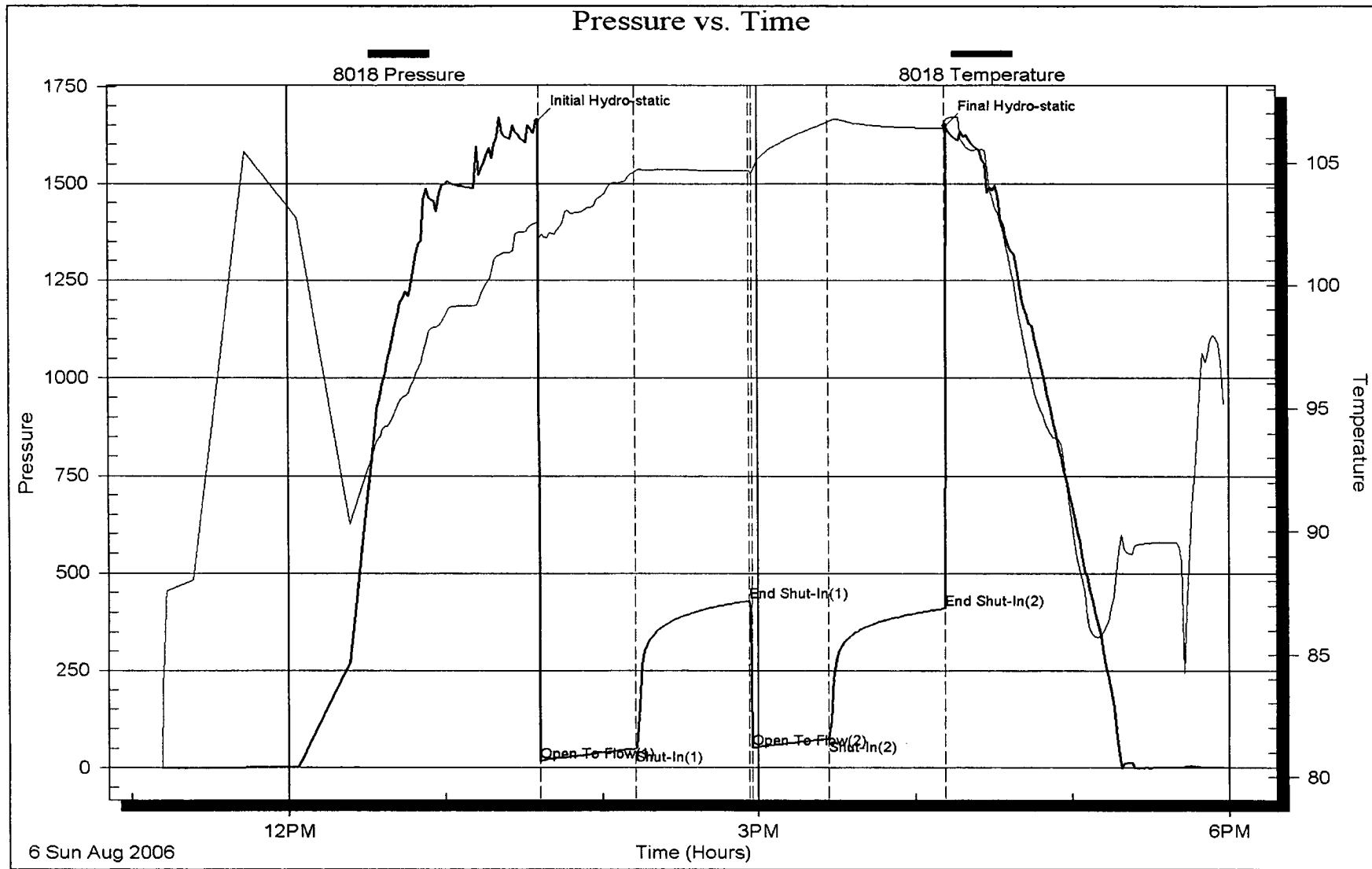
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

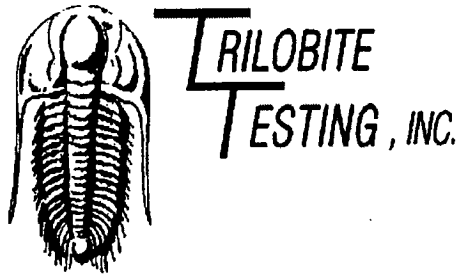
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
80.00	Salt Water 50,000 Chlorides	0.393

Total Length: 80.00 ft      Total Volume: 0.393 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Central Operating Inc**

1600 Broadway Ste 1050  
Denver CO 80202

ATTN: Neal A Lafon

**1 15 19 Ellis KS**

**Fredd Haas #1**

Start Date: 2006.08.07 @ 14:47:37

End Date: 2006.08.07 @ 23:45:07

Job Ticket #: 25147                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Central Operating Inc

Fredd Haas #1

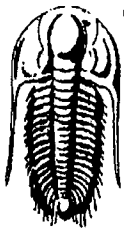
1 15 19 Ellis KS

DST # 2

ARB

2006.08.07





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Central Operating Inc  
1600 Broadway Ste 1050  
Denver CO 80202  
ATTN: Neal A Lafon

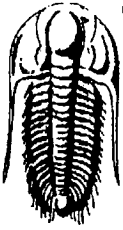
**Fredd Haas #1**  
**1 15 19 Ellis KS**  
Job Ticket: 25147      **DST#: 2**  
Test Start: 2006.08.07 @ 14:47:37

### Tool Information

Drill Pipe:	Length: 3451.00 ft	Diameter: 3.80 inches	Volume: 48.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 155.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 49.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3625.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3598.00	
Shut In Tool	5.00			3603.00	
Hydraulic tool	5.00			3608.00	
Jars	5.00			3613.00	
Safety Joint	3.00			3616.00	
Packer	4.00			3620.00	28.00      Bottom Of Top Packer
Packer	5.00			3625.00	
Stubb	1.00			3626.00	
Perforations	1.00			3627.00	
Change Over Sub	1.00			3628.00	
Recorder	0.00	8018	Inside	3628.00	
Blank Spacing	30.00			3658.00	
Change Over Sub	1.00			3659.00	
Recorder	0.00	11084	Outside	3659.00	
Perforations	20.00			3679.00	
Bullnose	3.00			3682.00	57.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>85.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Central Operating Inc

**Fredd Haas #1**

1600 Broadway Ste 1050  
Denver CO 80202

**1 15 19 Ellis KS**

Job Ticket: 25147

**DST#: 2**

ATTN: Neal A Lafon

Test Start: 2006.08.07 @ 14:47:37

**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:

bbbl

Water Loss: 7.97 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
1775.00	GCO 10%G 90%O	23.487
130.00	GMCO 10%G 30%M 60%O	1.824

Total Length: 1905.00 ft      Total Volume: 25.311 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

