

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 6569
Name: Carmen Schmitt Inc.
Address: PO Box 47
City/State/Zip: Great Bend, KS 67530
Purchaser: _____
Operator Contact Person: Jacob Porter
Phone: (620) 793-5100
Contractor: Name: HD Drilling LLC
License: 33935
Wellsite Geologist: Jacob Porter

Designate Type of Completion:

____ New Well ____ Re-Entry ____ Workover
☒ Oil ____ SWD ____ SLOW ____ 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. _____

11/6/07	11/17/07	11/19/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-22057-0000
County: Lane
____ NE ____ SE ____ NE Sec. 2 Twp. 19s S. R. 30w ☐ East ☒ West
1650 fml _____ feet from S / N (circle one) Line of Section
330 fel _____ feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Ehmke Well #: 1
Field Name: WC
Producing Formation: Marmaton
Elevation: Ground: 2864' Kelly Bushing: 2869'
Total Depth: 4622' 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 2226' Feet
If Alternate II completion, cement circulated from 2226'
feet depth to _____ surface w/ 175 sks smd w 44# flocele _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used Evaporation

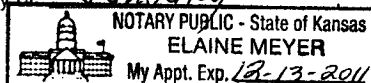
Location of fluid disposal if hauled offsite:

Operator Name: RECEIVED
Lease Name: _____ License No.: _____
Quarter _____ 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: Jacob L Porter
Title: Operations Manager Date: 1/18/08
Subscribed and sworn to before me this 18th day of January
20 08.
Notary Public: Elaine Meyer
Date Commission Expires: 12-13-2011



KCC Office Use ONLY

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

Operator Name: Carmen Schmitt Inc. Lease Name: Ehmke Well #: 1
 Sec. 2 Twp. 19s S. R. 30w ☐ East ☒ West County: Lane

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:

Dual Compensated Porosity
 Dual Induction
 Sonic
 Microlog

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner	3930'	-1061'
Lansing	3974'	-1105'
Base KC	4339'	-1470'
Marmaton	4347'	-1478'
Pawnee	4458'	-1589'
Fort Scott	4502'	-1633'
Cherokee	4524'	-1655'
Mississippian	4585'	-1716'

CASING RECORD ☒ New ☐ 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 5/8"	23#	220'	common	160	3% CC, 2% gel
Production	7 7/8"	5 1/2"	14#	4652'	ea2	200	Calseal, Salt, CFR-1, floeal

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 (Amount and Kind of Material Used)	Depth
2	perforate and produce	RECEIVED KANSAS CORPORATION COMMISSION JAN 22 2008 CONSERVATION DIVISION WICHITA, KS	4411-4415"

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4588'		☐ Yes ☐ No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
1/4/08	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	160			

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, Submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

CARMEN SCHMITT INC.
P.O. BOX 47
GREAT BEND KS 67530
New Wealth Comes From the Land
620-793-5100

1-18-08

Conservation Division
Kansas Corporation Commission
130 S. Market, Room 2078
Wichita, KS 67202

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 22 2008

Re: ACO-1 Confidentiality, Ehmke #1, 719-19-0000, API 15-101-22057-0000
WICHITA, KS

To Whom It May Concern:

Please hold all logs and side 2 of the enclosed ACO-1 confidential for 12 months.

Sincerely,

Jacob L. Porter

Jacob Porter

[illegible]

SWIFT Services, Inc.

DATE 11-19-07 PAGE NO 7

CUSTOMER
CARMEN SCHMIDT

WELL NO. **1**

LEASE

ΕΝΜΚΕ

JOB TYPE
5 1/2" LONGSTRENGTH

TICKET NO. 13124

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) GAL	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0730							ON LOCATION
	1100							START 5 1/2" CASING IN WELL
								TD - 4672 SETC 4652
								TP - 4654 5 1/2" #14
								ST - 42.51
								CENTRALIZERS - 3, 7, 9, 11, 14, 17, 20, 23, 56, 59
								CMT BSKTS - 1, 5, 57
								PORT COLLAR = 2226' TOP JT # 57
	1315							DROP BALL - CIRCULATE ROTATE
	1417	6	12		✓		500	PUMP 500 GAL MUD FLUSH "
	1419	6	20		✓		500	PUMP 20 BBS KCL - FLUSH "
	1424		4					PLUG RH
	1426	5	48		✓		350	MIX CEMENT - 200 SLS EA-2 "
	1438							WASH OUT PUMP - LEJES
	1439							RELEASE LATCH DOWN PLUG
	1440	7	0		✓			DISPLACE PLUG (1ST 50 BBS KCL/H2O) "
		7	102				775	SHUT OFF ROTATING
	1455	6 1/2	112.5				1500	PLUG DOWN - PICK UP LATCH IN PLUG
	1457						OK	RELEASE PSI - HELD
								WASH TRUCK
	1530							JOB COMPLETE
								THANK YOU
								WAVE BAPT. THE ROR

ALLIED CEMENTING CO., INC.

25504

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

SERVICE POINT:
Great Bend

DATE	10-7-07	SEC.	2	TWP.	19S	RANGE	30W	CALLED OUT	10:30pm	ON LOCATION	3:00 AM	JOB START	5:00 AM	JOB FINISH	6:00 AM
LEASE	Ehmke	WELL #	1	LOCATION	Amy 1/4 E 3 1/2 S W/into						COUNTY	Lane	STATE	K.S.	
OLD OR <u>NEW</u> (Circle one)															

CONTRACTOR H&D Rig 1
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 223'
CASING SIZE 8 5/8 DEPTH 223'
TUBING SIZE _____ DEPTH _____
DRILL PIPE 4 1/2 DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX 200 MINIMUM 50
MEAS. LINE _____ SHOE JOINT 15'
CEMENT LEFT IN CSG. 15'
PERFS. _____
DISPLACEMENT FRESH Water 13 BBLs

EQUIPMENT
PUMP TRUCK CEMENTER Dwayne W
120 HELPER Wayne D
BULK TRUCK
341 DRIVER Carl S
BULK TRUCK
_____ DRIVER _____

REMARKS:
Pipe on Bottom Break
Circulation pump 170sx
Common + 3% cc + 2% GEL SHUT
Down Released plug and disp
with 13 BBLs of Fresh Water
SHUT in cement DID circulate
Rig Down

CHARGE TO: Carmen Schmitt
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 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.

SIGNATURE x Doug Robert S

OWNER Carmen Schmitt
CEMENT
AMOUNT ORDERED 170sx Common +
3% cc + 2% GEL

COMMON	170 BBL.	@	11.10	1887.00
POZMIX		@		
GEL	3 BBL.	@	16.65	49.95
CHLORIDE	SAL.	@	46.60	233.00
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	178 BBL	@	1.90	338.20
MILEAGE	178 BBL	@	40	640.80
TOTAL				3148.95

SERVICE
DEPTH OF JOB 223'
PUMP TRUCK CHARGE 815.00
EXTRA FOOTAGE _____ @ _____
MILEAGE 40 @ 6.00 240.00
MANIFOLD Head Rent @ 100.00 100.00

TOTAL 1155.00

PLUG & FLOAT EQUIPMENT
8 5/8 Wooden plug 60.00

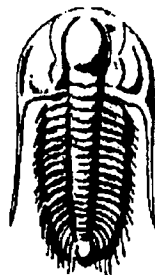
TOTAL 60.00

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS
x Doug Robert S
PRINTED NAME

Thank
YOU

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 22 2008
CONSERVATION DIVISION
WICHITA, KS

Thanks!



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

2 19S 30W Lane KS

Ehmke #1

Start Date: 2007.11.14 @ 04:06:40

End Date: 2007.11.14 @ 12:41:10

Job Ticket #: 29722 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 22 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Ehmke #1
2 19S 30W Lane KS
Job Ticket: 29722 **DST#: 1**
Test Start: 2007.11.14 @ 04:06:40

GENERAL INFORMATION:

Formation: **Lans. L**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 06:57:50
Time Test Ended: 12:41:10

Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **25**

Interval: **4285.00 ft (KB) To 4325.00 ft (KB) (TVD)**
Total Depth: **4325.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

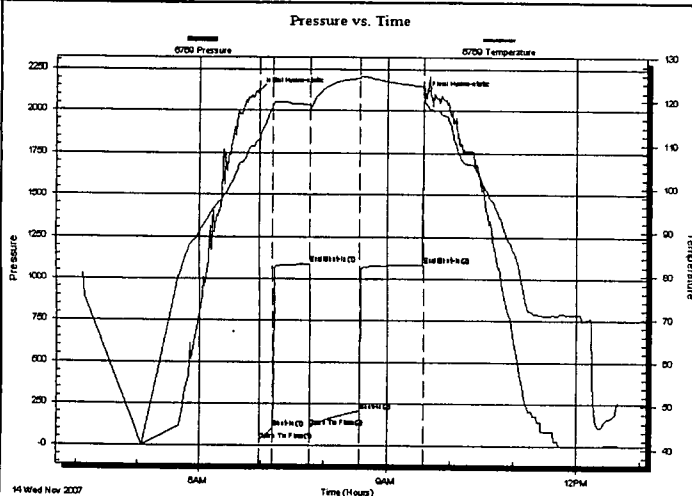
Reference Elevations: **2870.00 ft (KB)**
2865.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6769 Inside

Press@RunDepth: **208.33 psig @ 4286.00 ft (KB)**
Start Date: **2007.11.14** End Date: **2007.11.14**
Start Time: **04:06:40** End Time: **12:41:10**

Capacity: **7000.00 psig**
Last Calib.: **2007.11.14**
Time On Btm: **2007.11.14 @ 06:57:25**
Time Off Btm: **2007.11.14 @ 09:34:55**

TEST COMMENT: IF Built to 6 1/2 "
IS No return
FF BOB in 25 mins.
FS No return



PRESSURE SUMMARY

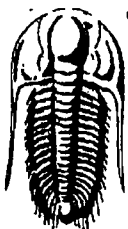
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2117.54	110.96	Initial Hydro-static
1	27.75	110.31	Open To Flow (1)
14	103.53	119.07	Shut-In (1)
49	1088.87	119.23	End Shut-In (1)
49	107.35	118.46	Open To Flow (2)
96	208.33	125.51	Shut-In (2)
157	1086.21	123.59	End Shut-In (2)
158	2101.25	120.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%M	0.15
275.00	SMCW 97%W 3%M	2.09
100.00	WCM 30%W 70%M	1.40
45.00	CO 100%O	0.63

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Ehmke #1

PO Box 47
Great Bend KS 67530

2 19S 30W Lane KS

ATTN: Jacob Porter

Job Ticket: 29722 DST#: 1

Test Start: 2007.11.14 @ 04:06:40

Tool Information

Drill Pipe:	Length: 4040.00 ft	Diameter: 3.80 inches	Volume: 56.67 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 224.00 ft	Diameter: 2.25 inches	Volume: 1.10 bbl	Weight to Pull Loose:	62000.00 lb
		Total Volume:	57.77 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	4285.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	68.00 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			4258.00	
Shut In Tool	5.00			4263.00	
Hydraulic tool	5.00			4268.00	
Jars	5.00			4273.00	
Safety Joint	3.00			4276.00	
Packer	5.00			4281.00	28.00 Bottom Of Top Packer
Packer	4.00			4285.00	
Stubb	1.00			4286.00	
Recorder	0.00	6769	Inside	4286.00	
Perforations	34.00			4320.00	
Recorder	0.00	2607	Inside	4320.00	
Bullnose	5.00			4325.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

Ehmke #1

PO Box 47
Great Bend KS 67530

2 19S 30W Lane KS

Job Ticket: 29722

DST#: 1

ATTN: Jacob Porter

Test Start: 2007.11.14 @ 04:06:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 10.46 in³

Resistivity: 0.00 ohm.m

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

35 deg API

Water Salinity:

45000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%M	0.148
275.00	SMCW 97%W 3%M	2.090
100.00	WCM 30%W 70%M	1.403
45.00	CO 100%O	0.631

Total Length: 450.00 ft

Total Volume: 4.272 bbl

Num Fluid Samples: 0

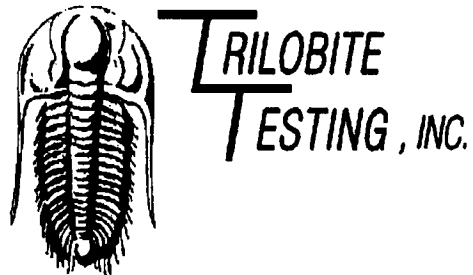
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

2 19S 30W Lane KS

Ehmke #1

Start Date: 2007.11.15 @ 09:08:32

End Date: 2007.11.15 @ 21:33:51

Job Ticket #: 29723 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

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

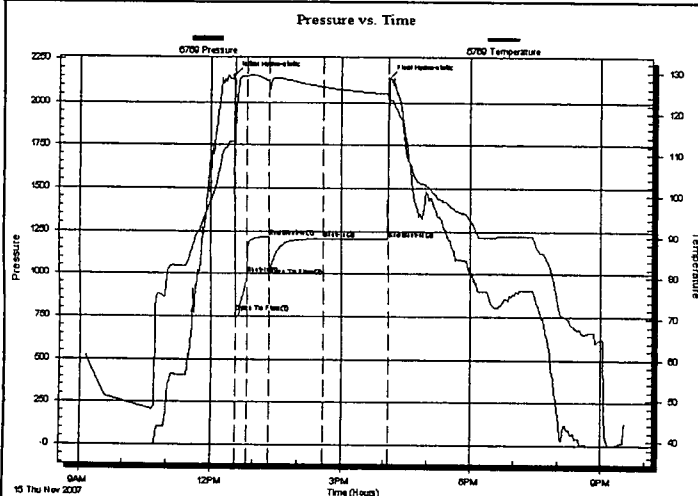
Ehmke #1
2 19S 30W Lane KS
Job Ticket: 29723 **DST#: 2**
Test Start: 2007.11.15 @ 09:08:32

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 12:35:12
Time Test Ended: 21:33:51
Interval: **4358.00 ft (KB) To 4434.00 ft (KB) (TVD)**
Total Depth: **4434.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **25**
Reference Elevations: **2870.00 ft (KB)**
2865.00 ft (CF)
KB to GRVCF: **5.00 ft**

Serial #: **6769** Inside
Press@RunDepth: **1203.09 psig @ 4359.00 ft (KB)**
Start Date: **2007.11.15** End Date: **2007.11.15**
Start Time: **09:08:32** End Time: **21:33:51**
Capacity: **7000.00 psig**
Last Calib.: **2007.11.15**
Time On Btm: **2007.11.15 @ 12:33:07**
Time Off Btm: **2007.11.15 @ 16:07:07**

TEST COMMENT: IF BOB in 30 secs.
IS BOB in 26 mins.
FF BOB in 30 secs.
FS Built to 6 " died back to nothing



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.35	113.06	Initial Hydro-static
3	775.00	113.01	Open To Flow (1)
18	994.27	128.91	Shut-In(1)
48	1215.65	127.74	End Shut-In(1)
48	1035.92	127.63	Open To Flow (2)
123	1203.09	126.43	Shut-In(2)
213	1205.66	124.91	End Shut-In(2)
215	2138.34	123.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	M&GCO 10%G 50%O 40%M	0.30
186.00	SM&GCO 10%G 85%O 5%M	1.13
2992.00	CGO 30%G 70%O	41.97

Gas Rates

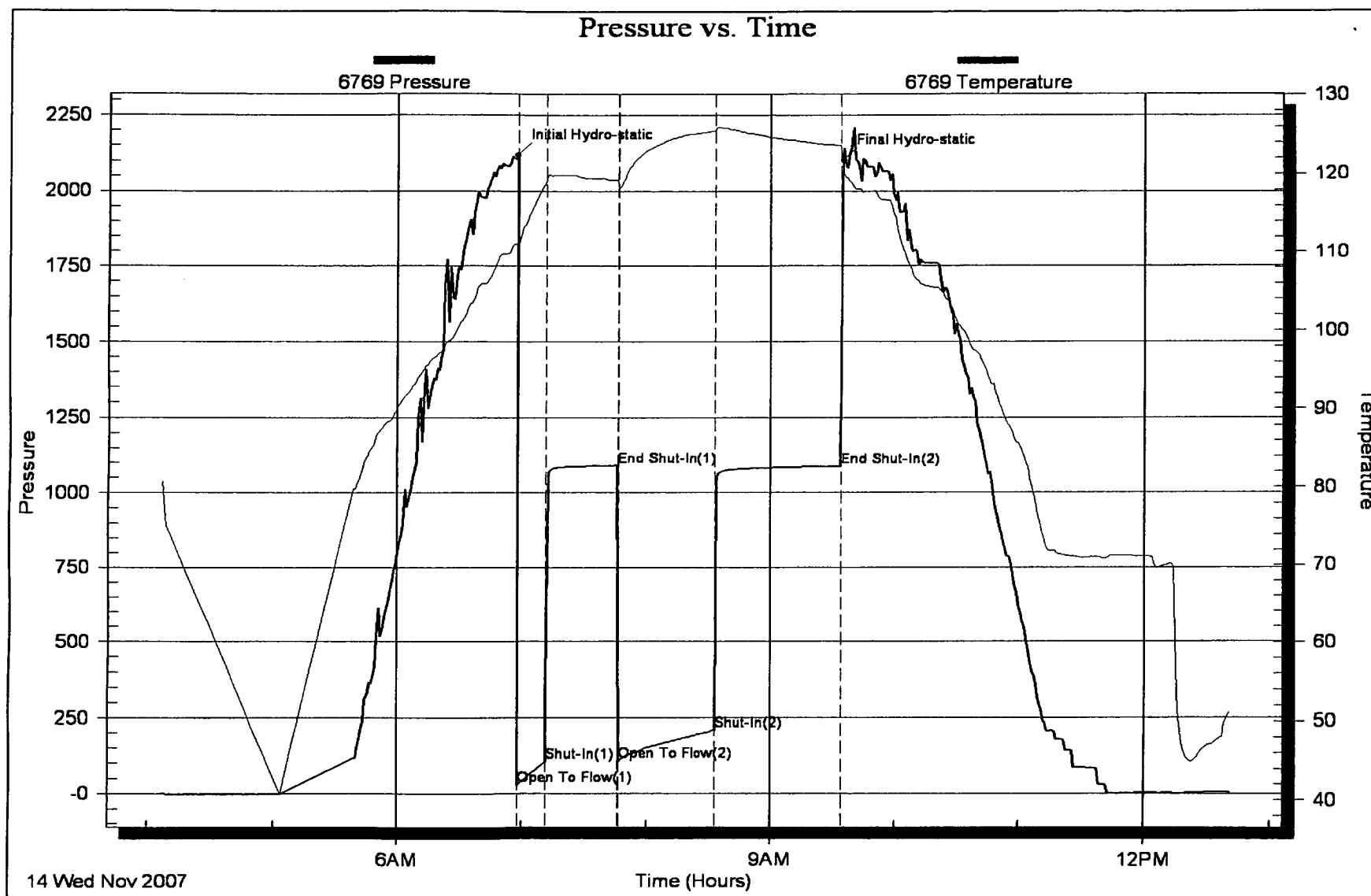
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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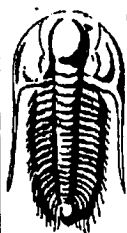
Serial #: 6769

Inside Carmen Schmitt Inc

2 19S 30W Lane KS

DST Test Number: 1





TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Ehmke #1

PO Box 47
Great Bend KS 67530

2 19S 30W Lane KS

Job Ticket: 29723

DST#: 2

ATTN: Jacob Porter

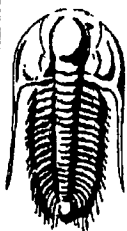
Test Start: 2007.11.15 @ 09:08:32

Tool Information

Drill Pipe:	Length: 4134.00 ft	Diameter: 3.80 inches	Volume: 57.99 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 224.00 ft	Diameter: 2.25 inches	Volume: 1.10 bbl	Weight to Pull Loose:	75000.00 lb
			Total Volume: 59.09 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4358.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	76.00 ft				
Tool Length:	104.00 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			4331.00	
Shut In Tool	5.00			4336.00	
Hydraulic tool	5.00			4341.00	
Jars	5.00			4346.00	
Safety Joint	3.00			4349.00	
Packer	5.00			4354.00	28.00 Bottom Of Top Packer
Packer	4.00			4358.00	
Stubb	1.00			4359.00	
Recorder	0.00	6769	Inside	4359.00	
Perforations	39.00			4398.00	
Drill Pipe	31.00			4429.00	
Recorder	0.00	2607	Inside	4429.00	
Bullnose	5.00			4434.00	76.00 Bottom Packers & Anchor
Total Tool Length:		104.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

Ehmke #1

PO Box 47
Great Bend KS 67530

2 19S 30W Lane KS

Job Ticket: 29723

DST#: 2

ATTN: Jacob Porter

Test Start: 2007.11.15 @ 09:08:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.34 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	M&GCO 10%G 50%O 40%M	0.305
186.00	SM&GCO 10%G 85%O 5%M	1.133
2992.00	CGO 30%G 70%O	41.970

Total Length: 3240.00 ft

Total Volume: 43.408 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

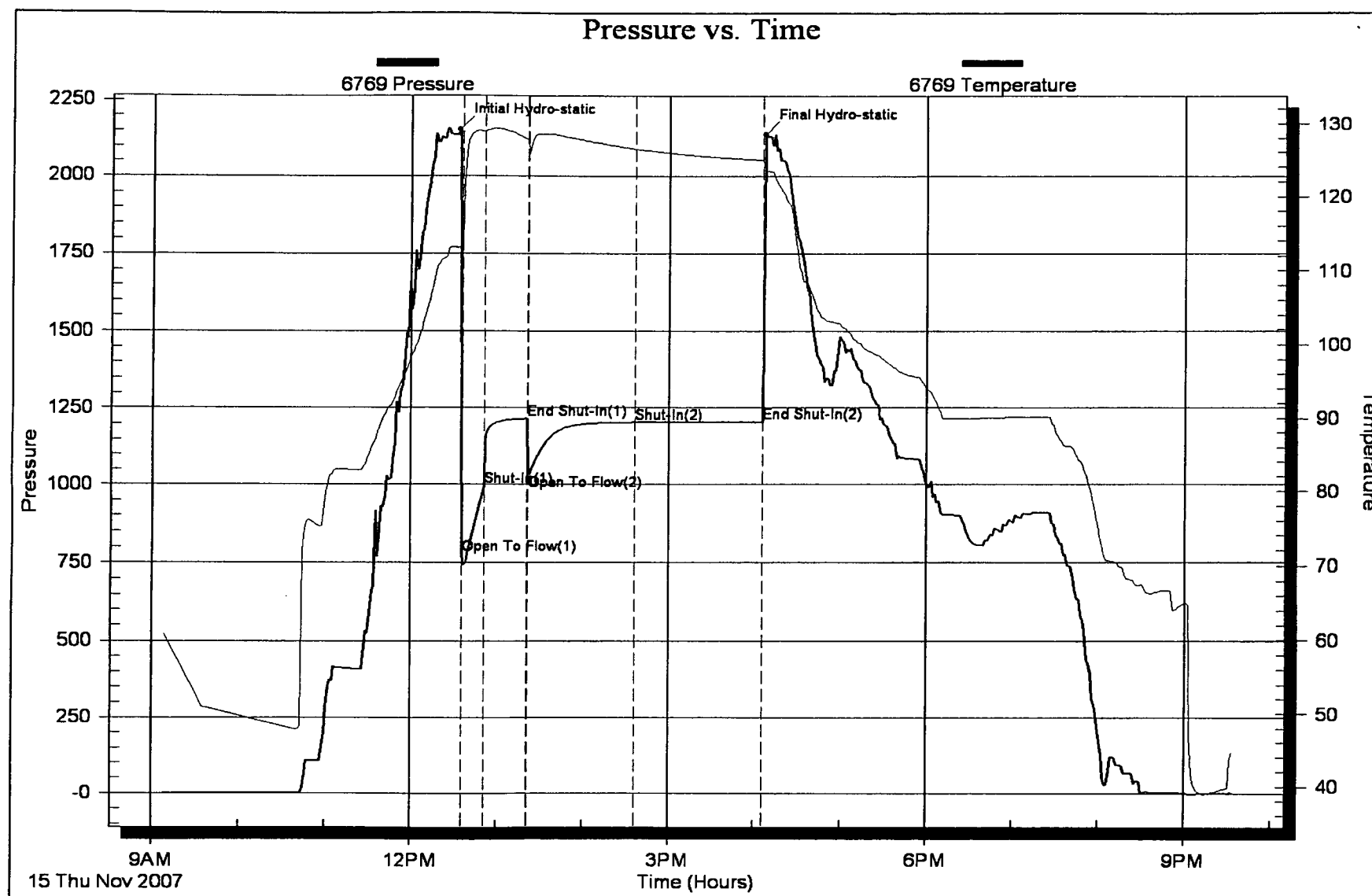
Recovery Comments:

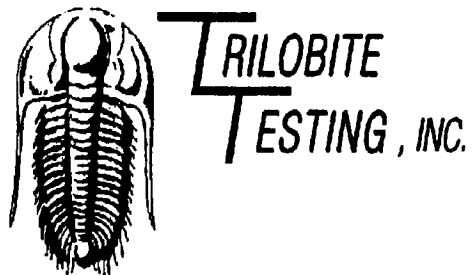
Serial #: 6769

Inside Carmen Schmitt Inc

2 19S 30W Lane KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

2 19S 30W Lane KS

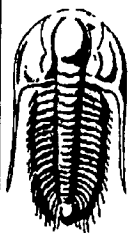
Ehmke #1

Start Date: 2007.11.16 @ 10:31:57

End Date: 2007.11.16 @ 17:20:57

Job Ticket #: 29724 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

Carmen Schmitt Inc

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

Ehmke #1

2 19S 30W Lane KS

Job Ticket: 29724

DST#: 3

Test Start: 2007.11.16 @ 10:31:57

GENERAL INFORMATION:

Formation: **Pawnee**

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

Time Tool Opened: 13:15:32

Time Test Ended: 17:20:57

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 25

Interval: **4443.00 ft (KB) To 4490.00 ft (KB) (TVD)**

Total Depth: **4490.00 ft (KB) (TVD)**

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

Reference Elevations: **2870.00 ft (KB)**

2865.00 ft (CF)

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

Serial #: 6769

Inside

Press@RunDepth: **20.29 psig @ 4444.00 ft (KB)**

Start Date: **2007.11.16**

End Date:

2007.11.16

Start Time: **10:31:57**

End Time:

17:20:57

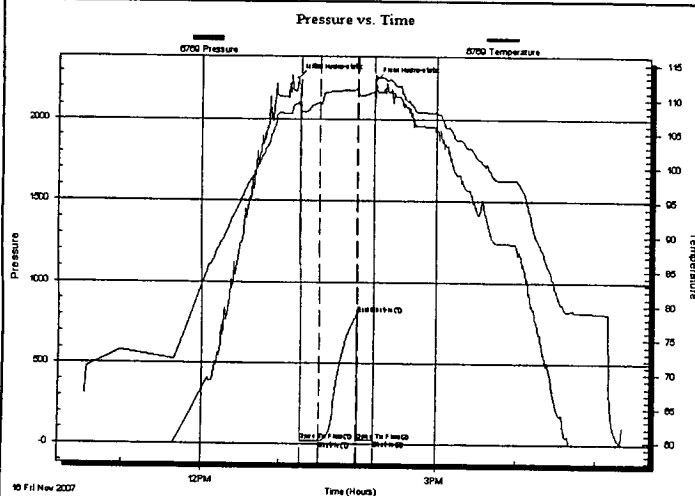
Capacity: **7000.00 psig**

Last Calib.: **2007.11.16**

Time On Btm: **2007.11.16 @ 13:13:12**

Time Off Btm: **2007.11.16 @ 14:12:51**

TEST COMMENT: IF 1/4 inch died
IS No return
FF No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.45	109.55	Initial Hydro-static
3	17.56	108.27	Open To Flow (1)
17	20.29	109.56	Shut-In (1)
47	804.72	111.35	End Shut-In (1)
47	20.15	110.85	Open To Flow (2)
59	22.81	111.03	Shut-In (2)
60	2239.99	113.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Heavy O Spotted M	0.05

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

Ehmke #1

2 19S 30W Lane KS

Job Ticket: 29724

DST#: 3

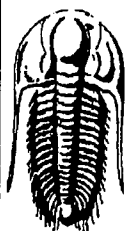
Test Start: 2007.11.16 @ 10:31:57

Tool Information

Drill Pipe:	Length: 4196.00 ft	Diameter: 3.80 inches	Volume: 58.86 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 224.00 ft	Diameter: 2.25 inches	Volume: 1.10 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	59.96 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4443.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.00 ft				
Tool Length:	75.00 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			4416.00	
Shut In Tool	5.00			4421.00	
Hydraulic tool	5.00			4426.00	
Jars	5.00			4431.00	
Safety Joint	3.00			4434.00	
Packer	5.00			4439.00	28.00 Bottom Of Top Packer
Packer	4.00			4443.00	
Stubb	1.00			4444.00	
Recorder	0.00	6769	Inside	4444.00	
Perforations	10.00			4454.00	
Drill Pipe	31.00			4485.00	
Recorder	0.00	2607	Inside	4485.00	
Bullnose	5.00			4490.00	47.00 Bottom Packers & Anchor
Total Tool Length:	75.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

Ehmke #1

PO Box 47
Great Bend KS 67530

2 19S 30W Lane KS

Job Ticket: 29724

DST#: 3

ATTN: Jacob Porter

Test Start: 2007.11.16 @ 10:31:57

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 8.75 in³

Resistivity: 0.00 ohm.m

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Heavy O Spotted M	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

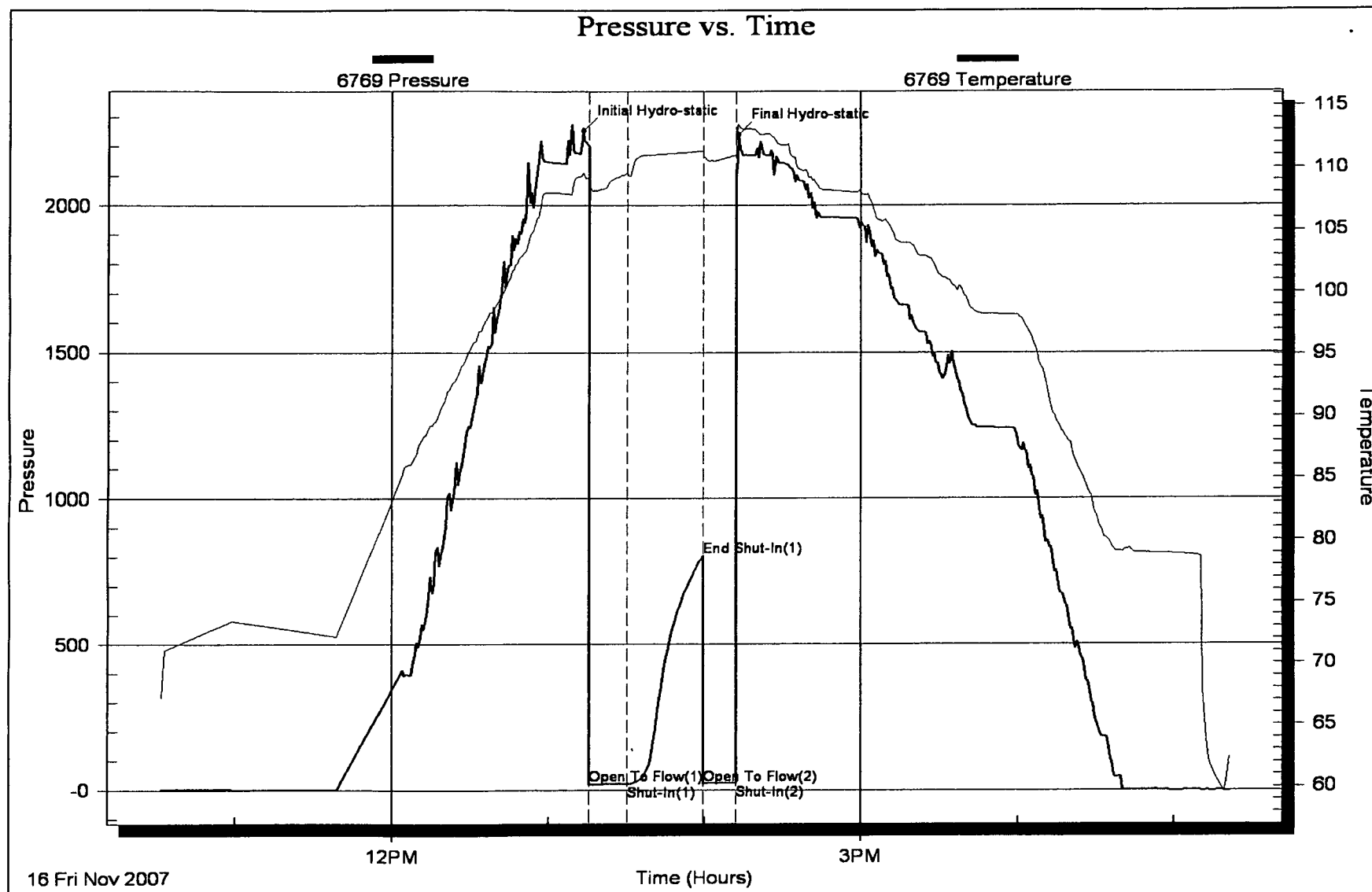
Serial #: 6769

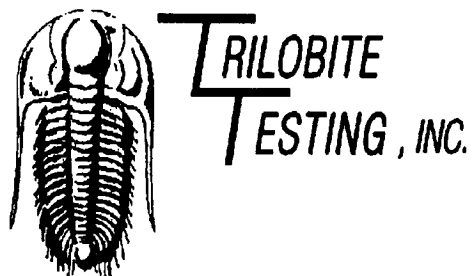
Inside

Carmen Schmitt Inc

2 19S 30W Lane KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

2 19S 30W Lane KS

Ehmke #1

Start Date: 2007.11.17 @ 08:56:05

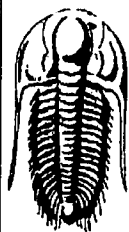
End Date: 2007.11.17 @ 14:20:59

Job Ticket #: 29505 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Ehmke #1

2 19S 30W Lane KS

Job Ticket: 29505

DST#: 4

Test Start: 2007.11.17 @ 08:56:05

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:54:15

Time Test Ended: 14:20:59

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: **4535.00 ft (KB) To 4582.00 ft (KB) (TVD)**

Total Depth: 4582.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2870.00 ft (KB)

2865.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: 18.92 psig @ 4536.00 ft (KB)

Start Date: 2007.11.17

End Date:

2007.11.17

Start Time: 08:56:05

End Time:

14:00:59

Capacity: 7000.00 psig

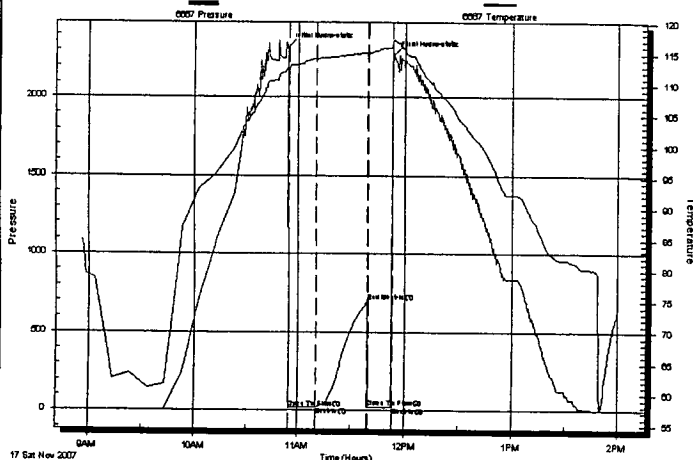
Last Calib.: 2007.11.17

Time On Btm: 2007.11.17 @ 10:53:45

Time Off Btm: 2007.11.17 @ 11:53:45

TEST COMMENT: Weak blow died in 10 min.
No return
No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2318.83	112.94	Initial Hydro-static
1	16.46	112.70	Open To Flow (1)
16	18.92	114.22	Shut-In(1)
46	692.70	115.21	End Shut-In(1)
46	20.91	115.05	Open To Flow (2)
59	22.45	115.90	Shut-In(2)
60	2270.74	117.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mw/Oil spots	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Ehmke #1

PO Box 47
Great Bend KS 67530

2 19S 30W Lane KS

Job Ticket: 29505

DST#: 4

ATTN: Jacob Porter

Test Start: 2007.11.17 @ 08:56:05

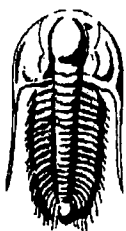
Tool Information

Drill Pipe:	Length: 4290.00 ft	Diameter: 3.80 inches	Volume: 60.18 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 224.00 ft	Diameter: 2.25 inches	Volume: 1.10 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	61.28 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4535.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.00 ft				
Tool Length:	75.00 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			4508.00	
Shut In Tool	5.00			4513.00	
Hydraulic tool	5.00			4518.00	
Jars	5.00			4523.00	
Safety Joint	3.00			4526.00	
Packer	5.00			4531.00	28.00 Bottom Of Top Packer
Packer	4.00			4535.00	
Stubb	1.00			4536.00	
Recorder	0.00	6667	Inside	4536.00	
Recorder	0.00	6771	Outside	4536.00	
Perforations	10.00			4546.00	
Drill Pipe	31.00			4577.00	
Bullnose	5.00			4582.00	47.00 Bottom Packers & Anchor

Total Tool Length: 75.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Ehmke #1
2 19S 30W Lane KS
Job Ticket: 29505 DST#: 4
Test Start: 2007.11.17 @ 08:56:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 10.37 in³
Resistivity: 0.00 ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mw/Oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

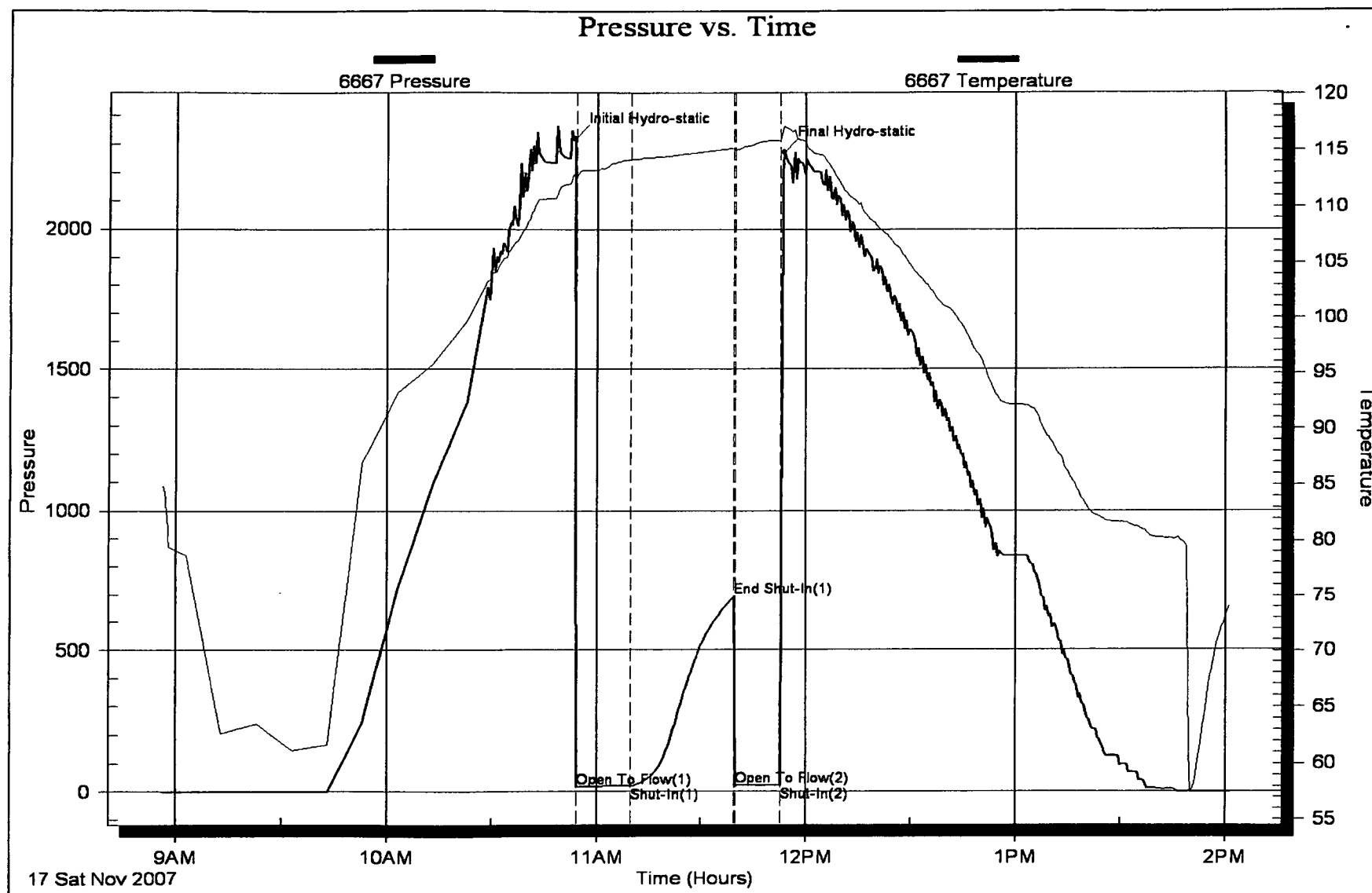
Serial #: 6667

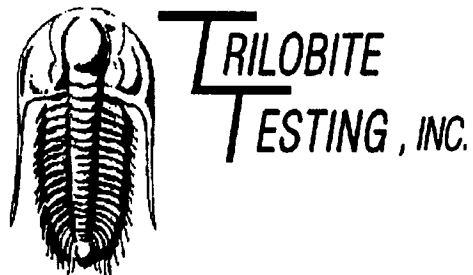
Inside

Carmen Schmitt Inc

2 19S 30W Lane KS

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

2 19S 30W Lane KS

Ehmke #1

Start Date: 2007.11.17 @ 23:40:14

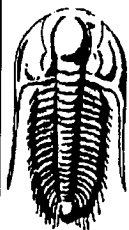
End Date: 2007.11.18 @ 08:13:24

Job Ticket #: 29752 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Ehmke #1
2 19S 30W Lane KS
Job Ticket: 29752 **DST#: 5**
Test Start: 2007.11.17 @ 23:40:14

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:28:09
Time Test Ended: 08:13:24

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

Interval: **4535.00 ft (KB) To 4622.00 ft (KB) (TVD)**
Total Depth: 4622.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

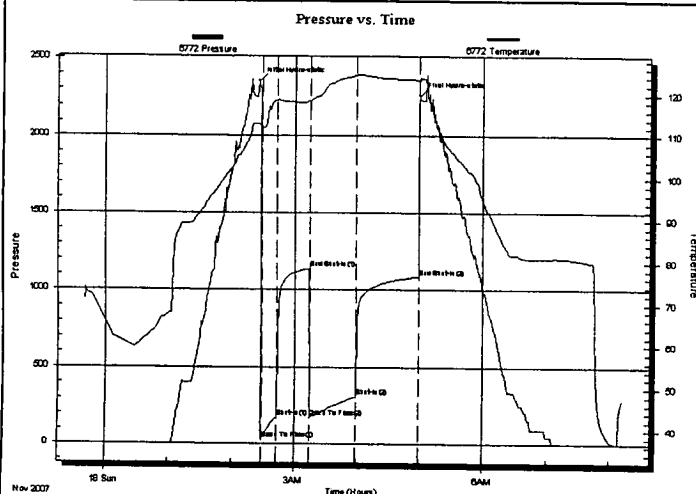
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GRVCF: 5.00 ft

Serial #: 6772 **Outside**

Press@RunDepth: 311.33 psig @ 4536.00 ft (KB)
Start Date: 2007.11.17 End Date: 2007.11.18
Start Time: 23:40:14 End Time: 08:13:24

Capacity: 7000.00 psig
Last Calib.: 2007.11.18
Time On Btm: 2007.11.18 @ 02:25:39
Time Off Btm: 2007.11.18 @ 04:59:23

TEST COMMENT: IF BOB in 12 min.
IS No return
FF BOB in 15 min.
FS No return



PRESSURE SUMMARY

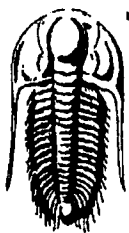
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2354.84	113.08	Initial Hydro-static
3	30.37	111.97	Open To Flow (1)
18	175.62	118.54	Shut-In(1)
49	1137.14	118.64	End Shut-In(1)
50	177.52	118.43	Open To Flow(2)
94	311.33	124.48	Shut-In(2)
153	1085.91	123.42	End Shut-In(2)
154	2261.42	123.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	MCW 80%W 20%M	0.52
177.00	MCW 60%W 40%M	0.87
124.00	MW 50%W 50%M	1.74
216.00	100%M	3.03

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Ehmke #1
2 19S 30W Lane KS
Job Ticket: 29752 **DST#: 5**
Test Start: 2007.11.17 @ 23:40:14

Tool Information

Drill Pipe:	Length: 4256.00 ft	Diameter: 3.80 inches	Volume: 59.70 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 282.00 ft	Diameter: 2.25 inches	Volume: 1.39 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 61.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4535.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	87.00 ft				
Tool Length:	114.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4509.00	
Shut In Tool	5.00			4514.00	
Hydraulic tool	5.00			4519.00	
Jars	5.00			4524.00	
Safety Joint	2.00			4526.00	
Packer	5.00			4531.00	27.00 Bottom Of Top Packer
Packer	4.00			4535.00	
Stubb	1.00			4536.00	
Recorder	0.00	8353	Inside	4536.00	
Recorder	0.00	6772	Outside	4536.00	
Perforations	17.00			4553.00	
Change Over Sub	1.00			4554.00	
Drill Pipe	62.00			4616.00	
Change Over Sub	1.00			4617.00	
Bullnose	5.00			4622.00	87.00 Bottom Packers & Anchor

Total Tool Length: 114.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

Ehmke #1

PO Box 47
Great Bend KS 67530

2 19S 30W Lane KS

Job Ticket: 29752

DST#: 5

ATTN: Jacob Porter

Test Start: 2007.11.17 @ 23:40:14

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 10.36 in³

Resistivity: 0.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

30000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	MCW 80%W 20%M	0.516
177.00	MCW 60%W 40%M	0.870
124.00	MW 50%W 50%M	1.739
216.00	100%M	3.030

Total Length: 622.00 ft

Total Volume: 6.155 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6772

Outside Carmen Schmitt Inc

2 19S 30W Lane KS

DST Test Number: 5

