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KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 5610
Name: BRUCE OIL COMPANY LLC
Address: 1704 LIMESTONE ROAD
City/State/Zip: MCPHERSON KS 67460
Purchaser: N.C.R.A.
Operator Contact Person: LONNY BRUCE
Phone: (620) 241-2938
Contractor: Name: ANDERSON DRILLING
License: 33237
Wellsite Geologist: RANDY KILIAN

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW Wildcat
 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. _____

09-17-05 09-24-05 10-06-05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 163-23469-00-00
County: ROOKS
APC N/2 SW NW Sec. 18 Twp. 7 S. R. 20 East West
1750 feet from S N (circle one) Line of Section
570 feet from E NW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW

Lease Name: ILENE Well #: 1
Field Name: LASAGE
Producing Formation: Kansas City

Elevation: Ground: 2084 Kelly Bushing: 2089
Total Depth: 3575 Plug Back Total Depth: 3669
Amount of Surface Pipe Set and Cemented at 208' W/ 150 SXS Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1780 Feet
If Alternate II completion, cement circulated from 1780
feet depth to surface w/ 200 sx cmt.
Alt 2-Dlg - 2/12/09

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume 1500 bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

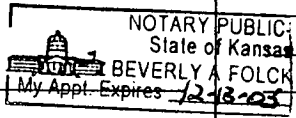
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: [Signature]
Title: Operating Manager Date: 11-7-05

Subscribed and sworn to before me this 7th day of November, 2005.

Notary Public: [Signature]
Date Commission Expires: 12-13-05



KCC Office Use ONLY
ND Letter of Confidentiality Received
If Denied, Yes Date: _____
Wireline Log Received
Geologist Report Received
UIC Distribution

**This well should be reclassified as a wildcat by seismic.

ORIGINAL

Operator Name: BRUCE OIL COMPANY LLC Lease Name: ILENE Well #: 1
 Sec. 18 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1676	+ 411
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3067	- 978
List All E. Logs Run:	Geologist report and logs to follow	Heebner Sh	3268	-1178
		Toronto	3291	-1202
		Lansing	3305	-1216
		Base Kansas City	3501	-1412
		Arbuckle		-1462
		TD	3579	-1490

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	208	COM	150'	3% CC; 2% GEL
PRODUCTION	7 7/8"	5 1/2"	14	3577	Swift EA	-2 150	

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
2	Kansas City "A" 3306-3310	250 gal MCA acid 500 gal NEFE acid	
2	Kansas City "C" 3334-3338		
2	Kansas City "E" 3378-3380		
2	Kansas City "F" 3385-3388		
2	Kansas City "G" 3395-3400	750 gal MCA 15% with 400# rock salt blocks in 3 stages over E-F-G zones	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	3666	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
10-21-05			<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
	70	0	15		

Disposition of Gas: Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled KC A-C-E-F-G

Production Interval: Other (Specify) _____

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ALLIED CEMENTING CO., INC.

2202L

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

SERVICE POINT:
Russell

DATE <u>9-12-05</u>	SEC. <u>18</u>	TWP. <u>7</u>	RANGE <u>20</u>	CALLED OUT <u>6:00 AM</u>	ON LOCATION <u>9:00 AM</u>	JOB START <u>10:30 AM</u>	JOB FINISH <u>11:00 AM</u>
LEASE <u>2 Leve</u>	WELL # <u>1</u>	LOCATION <u>DAMAR N. TO OLD 24</u>		COUNTY <u>ROCKS</u>	STATE <u>KANSAS</u>		
OLD OR NEW (Circle one) <u>NEW</u> <u>1 N 34 W Y 4 S.</u>							

CONTRACTOR <u>A & A Drilling</u>	OWNER _____
TYPE OF JOB <u>SURFACE</u>	CEMENT AMOUNT ORDERED <u>150 SK COMI</u>
HOLE SIZE <u>12 1/4</u>	T.D. <u>213</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>213</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 _____	

EQUIPMENT

PUMP TRUCK	CEMENTER <u>FRANK</u>
# <u>366</u>	HELPER <u>FRED</u>
BULK TRUCK	
# <u>213</u>	DRIVER <u>KEITH</u>
BULK TRUCK	
# _____	DRIVER _____

COMMON	<u>150</u>	@	<u>970</u>	<u>1205.00</u>
POZMIX		@		
GEL	<u>2</u>	@	<u>14.00</u>	<u>28.00</u>
CHLORIDE	<u>5</u>	@	<u>38.00</u>	<u>190.00</u>
ASC		@		
HANDLING	<u>15K</u>	@	<u>16.00</u>	<u>252.00</u>
MILEAGE	<u>80 Tax Mile</u>	@	<u>.06</u>	<u>75K 4.80</u>
				TOTAL <u>2,548.20</u>

REMARKS:

Cement Circulated

THANKS

CHARGE TO: BRUCE OIL CO.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>670.00</u>
EXTRA FOOTAGE	@ _____
MILEAGE <u>80</u>	@ <u>5.00</u> <u>400.00</u>
MANIFOLD	@ _____
	@ _____
	@ _____
TOTAL <u>1,070.00</u>	

PLUG & FLOAT EQUIPMENT

<u>8 5/8 WARDER W/BR</u>	<u>55.00</u>
	@ _____
	@ _____
	@ _____
	@ _____
	@ _____
TOTAL <u>55.00</u>	

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

PRINTED NAME _____

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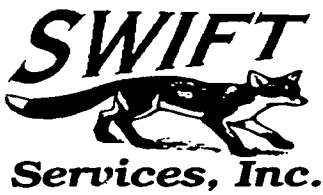
DEC 20 2007

CONSERVATION DIVISION
WICHITA, KS

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2007

CONSERVATION DIVISION
WICHITA, KS



CHARGE TO: Burned
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET # 8730

PAGE 1 OF 1

1. SERVICE LOCATIONS	WELL/PROJECT NO. #1	LEASE Elmer	COUNTY/PARISH Polk, KS	STATE KS	CITY	DATE 07-27-05	OWNER
2. <u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>Dee's Oil</u>	SHIPPED VIA <u>Truck</u>	DELIVERED TO <u>121 W. 2nd St. Ness City, KS</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Develop</u>	JOB PURPOSE <u>Oil Well Collector</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE #105	70	mi			4.00	280	00
573		1			Fuel Expense	1	gal	172	#7	12.50	1250	00
200		1			Oil	1	gal			20.00	20	00
320		1			Small amount	20	gal			11.00	220	00
476		2			Flood	50	lb			1.10	55	00
501		2			Service Charge	20	hr			11.00	220	00
50		2			Expense	692	hr			1.00	692	00

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 CONSERVATION DIVISION
 WICHITA, KS

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]

DATE SIGNED: 12/20/07 TIME SIGNED: 1:00 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY				AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	4,723	00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?									
WE UNDERSTOOD AND MET YOUR NEEDS?									
OUR SERVICE WAS PERFORMED WITHOUT DELAY?									
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?							TAX		
ARE YOU SATISFIED WITH OUR SERVICE?				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND									

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: [Signature] APPROVAL: _____

Thank You!



CHARGE TO: Lease Oil
 ADDRESS: 1701 Limestone Rd
 CITY, STATE, ZIP CODE: Medina, Ks 67460-6500

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 KANSAS CORPORATION COMMISSION

TICKET
 No 8726

DEC 20 2007

CONSERVATION DIVISION
 WICHITA, KS

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>NAV. K</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>ILEUE</u>	COUNTY/PARISH <u>Lea</u>	STATE <u>Ks</u>	CITY	DATE <u>09-24-05</u>	OWNER
2. <u>NESS CITY WS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>Harmon 104</u>	SHIPPED VIA <u>C.O.</u>	DELIVERED TO <u>1701 Limestone Rd Medina, Ks</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Drilling</u>	JOB PURPOSE <u>5 1/2 Limestone</u>	WELL PERMIT NO. <u>15-160-23419.00 a</u>	WELL LOCATION <u>S18, T7, R20w</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #105	70		mi		4.00	280.00
578		1			Pump Service	1	3577	FT		12.50	1250.00
581		1			Liquid Seal	2		gal		24.00	48.00
281		1			Mud Flush	500		gal		75	37500.00
290		1			DA	2		gal		20.00	40.00
400		1			Guide Line	1	5 1/2	in		110.00	110.00
401		1			Inst + Fluid w/ 1/2" E 11	1	5 1/2	in		110.00	110.00
402		1			Controlizer	10		in		60.00	600.00
403		1			Cont. Sphat	1		in		200.00	200.00
404		1			Pack Collar # 010740 @ 1722 FT	1		in		1900.00	1900.00
419		1			fitting Head Rental	1		in		200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

x Jimmy Bruce
 DATE SIGNED: 09-24-05 TIME SIGNED: 1400
 A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				Page 1	514.00
WE UNDERSTOOD AND MET YOUR NEEDS?				Page 2	2657.33
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Total	7800.33
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: D. Ash APPROVAL: _____

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 8726

CUSTOMER Bruce Oil WELL #1 ILENE DATE 09-2-05 PAGE 2 OF 12

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			U/M	U/M					
305		2				Standard CRT	150	S/K			8.30	1300	00
27L		2				Flange	33	lbs			1.10	41	80
283		2				seal	750	lbs			.17	127	50
234		2				col seal	7	S/K			30.00	210	00
285		2				CFR	70	lbs			3.50	245	00
581		2				Service Chg CRT	150	S/K			1.10	165	00
583		2				Drayage	548.03	T/M			1.00	548	03
						SERVICE CHARGE					CUBIC FEET		
						MILEAGE CHARGE					TOTAL WEIGHT		
											LOADED MILES		
											TON MILES		

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 WICHITA, KS

CONTINUATION TOTAL 2,657.33

SWIFT Services, Inc.

DATE Dec 10, 2007 PAGE NO. 1

WELL NO. 2-1 LEASE ILE NE JOB TYPE 5/8 Casing strings TICKET NO. 8726

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							11000 AT 10.5 strokes per min / pump T 2579, TP 2577, 2574 5/8 141/160 casing R. Keller top 440 172 FT Cont. 1, 2, 3, 4, 5, 6, 7, 8, 9, 4/3 drilled on 43 150 WBS EA 2 cement, SUPPLY FLUSH, 20000 HCL FLUSH
	1530							Start 5/8 Casing
	1710							Drill bit
	1720							Flush bit
	1730							Casing string
	1730		3					Flush bit
	1735	40	0		1	200		Start 1/2 FLUSH
			12		1			Start 1/2 FLUSH
			3-		1			with flushes
	1815	40	0		1	100		Start CMT
			8		1			with CMT
								with 1/2 inch line
								Drop the
	1841	40	0		1			Start 1/2
		40	50		1	100		CMT on bottom
			10		1	200		CMT on bottom
			15		1	100		Start 1/2 casing
			20		1	500		
			27		1	600		
			31		1	700		
	4.		80		1	700		
	1841	40	80		1	1750		End day
	1845							to be 100
								70 + delivery
								with 1/2
								with 1/2
								with 1/2

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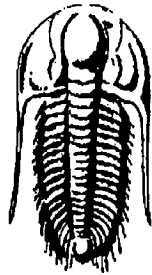
Thank You!
 Mike, Skene, etc

Bruce Oil Co., Ilene #1 ORIGINAL

DRILL STEM TESTS

TEST #	Interval	ifp/ time	isip/ time	ffp/ time	fsip/ time	ihp/ fhp	Recovery
1	Toronto 3263-3300	27# 125# 30"	729# 30"	134# 247# 60"	679# 60"	1584# 1556#	255 GIP 161 OIL 32° 364 Water
2	LKC 'A' 3297-3320	32# 36# 30"	736# 30"	40# 60"	734# 60"	1571# 1540#	500 GIP 85 Oil 38° 80 Heavy O&G cut mud
3	LKC E-G 3365-3415	39# 262# 30"	549# 30"	268# 429# 60"	547# 60"	1619# 1603#	720 GIP 1005 muddy gassy oil 33°45 Water

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bruce Oil Company, LLC**

1704 Limestone Road
McPherson, KS. 67460

ATTN: Randy Killian

18-7s-20w-Rooks

llene #1

Start Date: 2005.09.21 @ 23:10:56

End Date: 2005.09.22 @ 06:30:26

Job Ticket #: 23795 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Bruce Oil Company, LLC

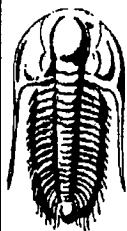
llene #1

18-7s-20w-Rooks

DST # 1

Toronto

2005.09.21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bruce Oil Company, LLC

1704 Limestone Road
McPherson, KS. 67460

ATTN: Randy Killian

Well #1

18-7s-20w-Rooks

Job Ticket: 23795

DST#: 1

Test Start: 2005.09.21 @ 23:10:56

GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 00:48:26

Time Test Ended: 06:30:26

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3263.00 ft (KB) To 3300.00 ft (KB) (TVD)**

Total Depth: **3300.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2089.00 ft (KB)**

2084.00 ft (CF)

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

Serial #: 6741 **Inside**

Press@RunDepth: **247.27 psig @ 3267.00 ft (KB)**

Start Date: **2005.09.21**

End Date:

2005.09.22

Start Time: **23:10:58**

End Time:

06:30:26

Capacity: **7000.00 psig**

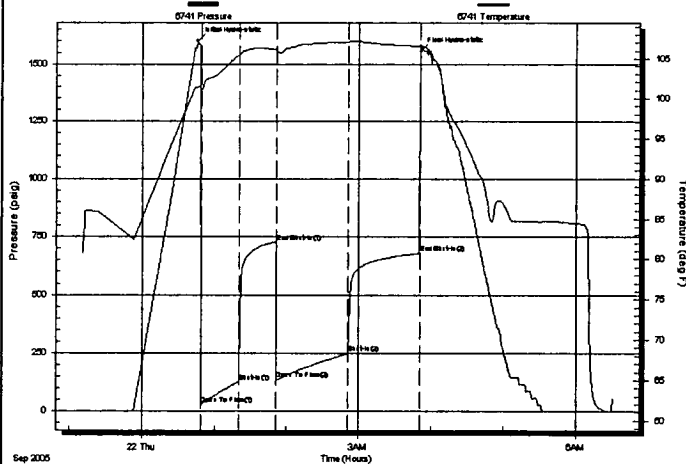
Last Calib.: **2005.09.22**

Time On Btrm: **2005.09.22 @ 00:45:26**

Time Off Btrm: **2005.09.22 @ 03:51:26**

TEST COMMENT: FFP-Good Blow ,BOB in 6 Min. Strong Throughout
ISI-Blow back Built to 1"
FFP-Good Blow ,BOB in 10 Min. Strong Throughout
FSI-Blow back Built to

Pressure vs. Time



PRESSURE SUMMARY

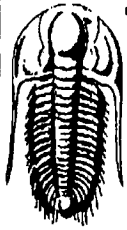
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1599.99	101.32	Initial Hydro-static
3	26.76	101.08	Open To Flow (1)
35	125.31	105.48	Shut-In(1)
66	728.78	106.18	End Shut-In(1)
67	135.49	105.98	Open To Flow (2)
127	247.27	107.08	Shut-In(2)
186	679.42	106.57	End Shut-In(2)
186	1556.45	106.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Free Oil	0.77
50.00	MCO-75%O-15%W-10%M	0.70
60.00	OCMV-25%G-35%O-30%W-10%M	0.84
120.00	OCMV-20%G-25%O-15%W-40%M	1.68
240.00	VSOCMV-2%O-88%W-10%M	3.37

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bruce Oil Company, LLC

Ilene #1

1704 Limestone Road
McPherson, KS. 67460

18-7s-20w-Rooks

Job Ticket: 23795

DST#: 1

ATTN: Randy Killian

Test Start: 2005.09.21 @ 23:10:56

Tool Information

Drill Pipe:	Length: 3255.00 ft	Diameter: 3.80 inches	Volume: 45.66 bbl	Tool Weight: 22000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 45.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3263.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

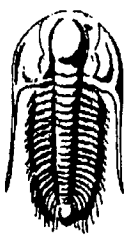
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3243.00	
Shut In Tool	5.00			3248.00	
Hydraulic tool	5.00			3253.00	
Packer	5.00			3258.00	21.00 Bottom Of Top Packer
Packer	5.00			3263.00	
Stubb	1.00			3264.00	
Perforations	3.00			3267.00	
Recorder	0.00	6741	Inside	3267.00	
Perforations	30.00			3297.00	
Recorder	0.00	13252	Outside	3297.00	
Bullnose	3.00			3300.00	37.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bruce Oil Company, LLC

Ilene #1

1704 Limestone Road
McPherson, KS. 67460

18-7s-20w-Rooks

Job Ticket: 23795

DST#: 1

ATTN: Randy Killian

Test Start: 2005.09.21 @ 23:10:56

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 8.18 in³
Resistivity: ohm.m
Salinity: 2000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 32 deg API
Water Salinity: 62000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	Free Oil	0.772
50.00	MCO-75%O-15%W-10%M	0.701
60.00	OCMMV-25%G-35%O-30%W-10%M	0.842
120.00	OCMMV-20%G-25%O-15%W-40%M	1.683
240.00	VSOCMMV-2%O-88%W-10%M	3.367

Total Length: 525.00 ft Total Volume: 7.365 bbl

Num Fluid Samples: 0

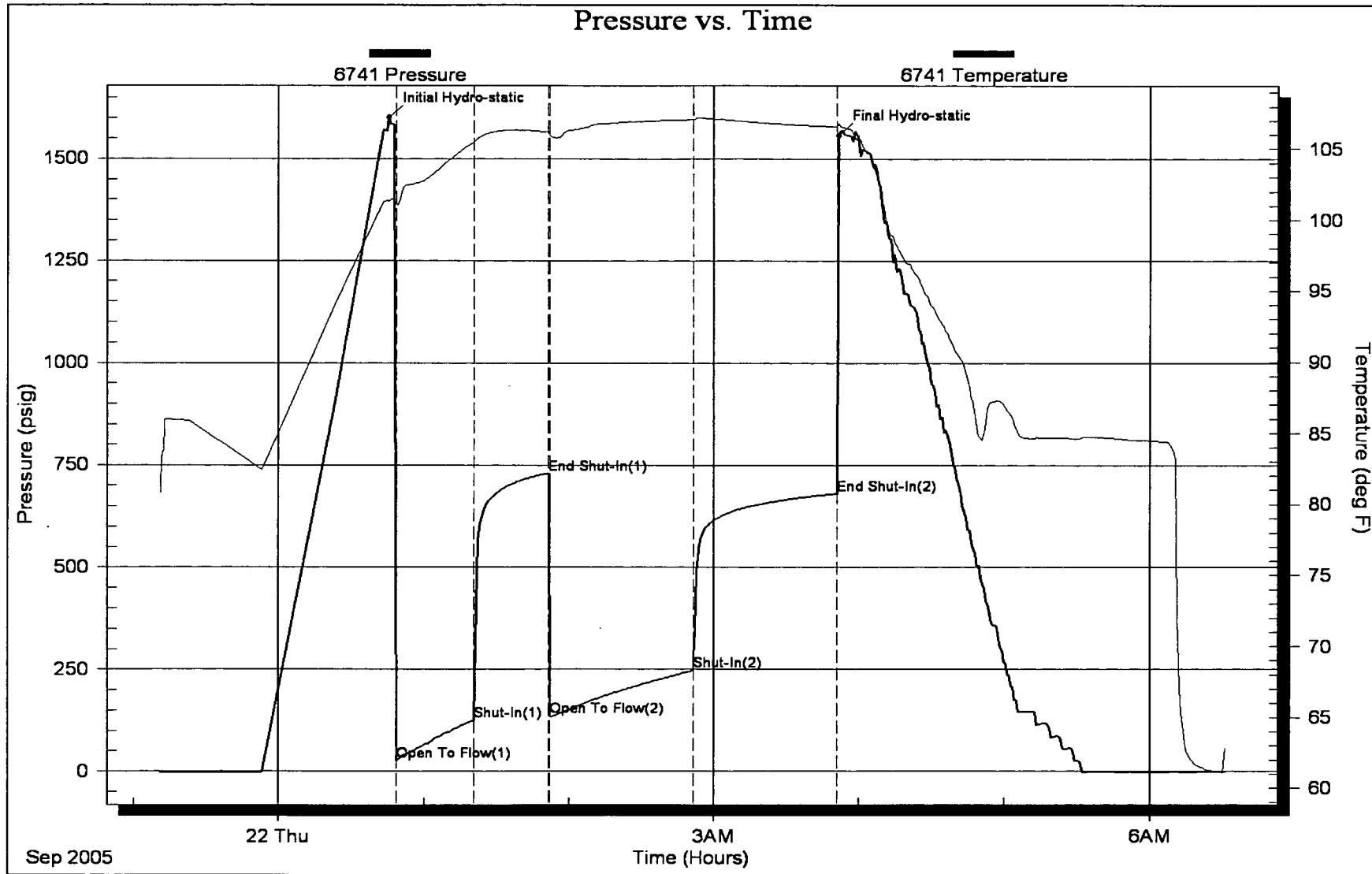
Num Gas Bombs: 0

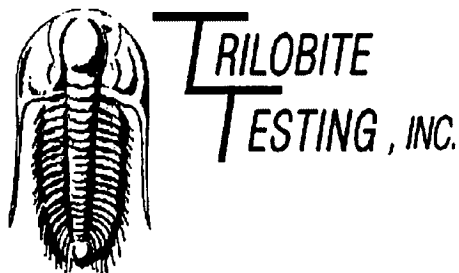
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Bruce Oil Company, LLC**

1704 Limestone Road
McPherson, KS. 67460

ATTN: Randy Killian

18-7s-20w-Rooks

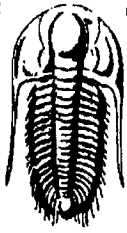
Ilene #1

Start Date: 2005.09.22 @ 15:05:10

End Date: 2005.09.22 @ 20:50:55

Job Ticket #: 232796 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

Bruce Oil Company, LLC

1704 Limestone Road
McPherson, KS. 67460

ATTN: Randy Killian

Well #1

18-7s-20w-Rooks

Job Ticket: 232796

DST#: 2

Test Start: 2005.09.22 @ 15:05:10

GENERAL INFORMATION:

Formation: LKC-"A"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:37:25

Time Test Ended: 20:50:55

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3297.00 ft (KB) To 3320.00 ft (KB) (TVD)

Reference Elevations: 2089.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

2084.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 74.28 psig @ 3299.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.09.22

End Date:

2005.09.22

Last Calib.: 2005.09.22

Start Time: 15:05:12

End Time:

20:50:55

Time On Btrt 2005.09.22 @ 16:17:10

Time Off Btrt 2005.09.22 @ 19:15:25

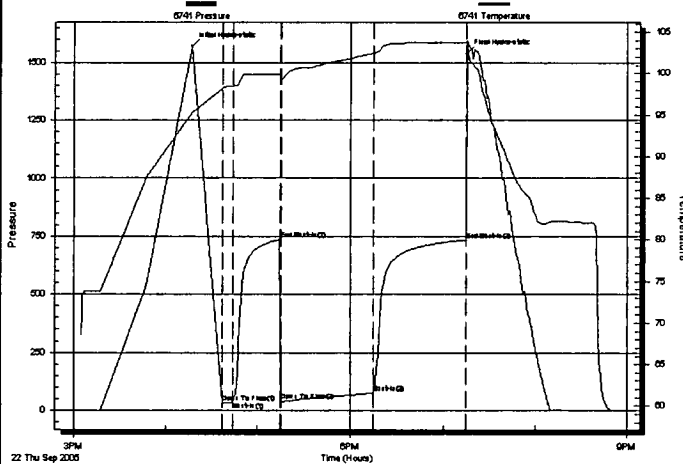
TEST COMMENT: FFP-Good Blow ,BOB in 16 Min.

ISI-Blow back Built to 2-1/2"

FFP-Good Blow ,BOB in 12 Min.

FSI-Blow back Built to 2"

Pressure vs. Time



PRESSURE SUMMARY

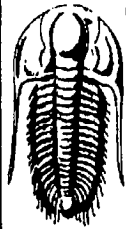
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1570.92	95.36	Initial Hydro-static
21	31.78	98.21	Open To Flow (1)
27	35.55	98.49	Shut-In(1)
58	735.59	99.91	End Shut-In(1)
58	39.54	99.61	Open To Flow (2)
118	74.28	102.48	Shut-In(2)
178	734.42	103.72	End Shut-In(2)
179	1540.16	104.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
85.00	Free Oil	1.19
80.00	HOCM-15%G-50%O-35%M	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bruce Oil Company, LLC

Ilene #1

1704 Limestone Road
McPherson, KS. 67460

18-7s-20w-Rooks

Job Ticket: 232796

DST#: 2

ATTN: Randy Killian

Test Start: 2005.09.22 @ 15:05:10

Tool Information

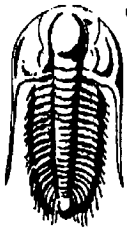
Drill Pipe:	Length: 3285.00 ft	Diameter: 3.80 inches	Volume: 46.08 bbl	Tool Weight: 22000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 46.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3297.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 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			3277.00	
Shut In Tool	5.00			3282.00	
Hydraulic tool	5.00			3287.00	
Packer	5.00			3292.00	21.00 Bottom Of Top Packer
Packer	5.00			3297.00	
Stubb	1.00			3298.00	
Perforations	1.00			3299.00	
Recorder	0.00	6741	Inside	3299.00	
Perforations	18.00			3317.00	
Recorder	0.00	13252	Outside	3317.00	
Bullnose	3.00			3320.00	23.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bruce Oil Company, LLC

Ilene #1

1704 Limestone Road
McPherson, KS. 67460

18-7s-20w-Rooks

Job Ticket: 232796

DST#: 2

ATTN: Randy Killian

Test Start: 2005.09.22 @ 15:05:10

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37.5 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.59 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
85.00	Free Oil	1.192
80.00	HOCM-15%G-50%O-35%M	1.122

Total Length: 165.00 ft Total Volume: 2.314 bbl

Num Fluid Samples: 0

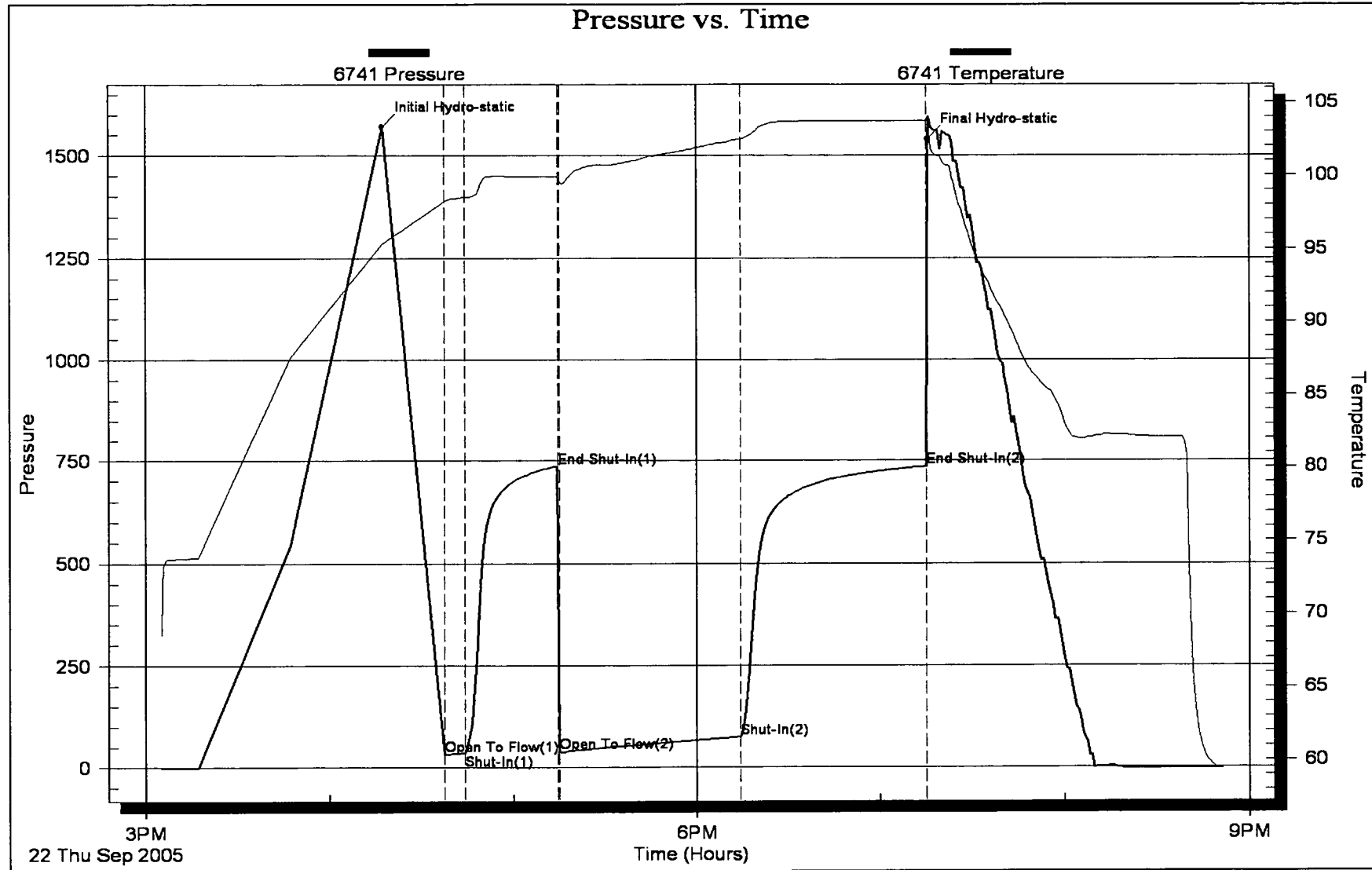
Num Gas Bombs: 0

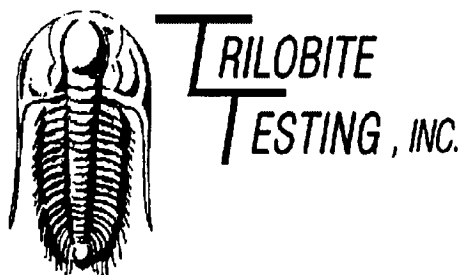
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 495' GIP





DRILL STEM TEST REPORT

Prepared For: **Bruce Oil Company,LLC**

1704 Limestone Road
McPherson, KS. 67460

ATTN: Randy Killian

18-7s-20w-Rooks

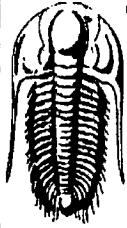
Ilene #1

Start Date: 2005.09.23 @ 08:28:40

End Date: 2005.09.23 @ 16:16:40

Job Ticket #: 23797 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

Bruce Oil Company, LLC
1704 Limestone Road
McPherson, KS. 67460
ATTN: Randy Killian

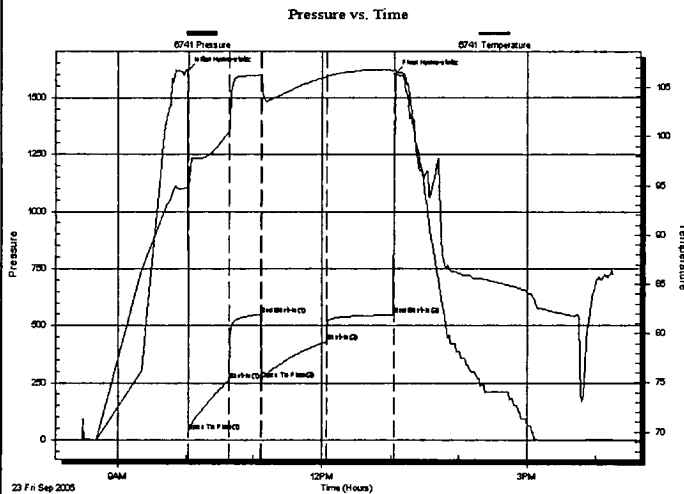
Well #1
18-7s-20w-Rooks
Job Ticket: 23797 **DST#: 3**
Test Start: 2005.09.23 @ 08:28:40

GENERAL INFORMATION:

Formation: **LKC-"F-G"**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **10:01:40**
Time Test Ended: **16:16:40**
Interval: **3365.00 ft (KB) To 3415.00 ft (KB) (TVD)**
Total Depth: **3415.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Jason McLemore**
Unit No: **32**
Reference Elevations: **2089.00 ft (KB)**
2084.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**
Press@RunDepth: **429.45 psig @ 3368.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.09.23** End Date: **2005.09.23** Last Calib.: **2005.09.23**
Start Time: **08:28:42** End Time: **16:16:40** Time On Btrt: **2005.09.23 @ 10:01:25**
Time Off Btrt: **2005.09.23 @ 13:03:10**

TEST COMMENT: FFP-Strong Blow ,BOB in 2-1/2 Mn. Strong Throughout
ISH-Blow back Built to BOB in 14 Mn.
FFP-Strong Blow ,BOB in 3 Mn. Strong Throughout
FSI-Blow back Built to BOB in 25 Mn.



PRESSURE SUMMARY

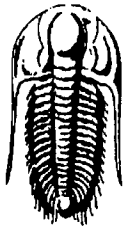
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1618.96	94.78	Initial Hydro-static
1	38.99	94.41	Open To Flow (1)
37	262.19	100.57	Shut-In(1)
66	548.67	106.23	End Shut-In(1)
66	267.73	106.10	Open To Flow (2)
123	429.45	106.08	Shut-In(2)
181	547.29	106.70	End Shut-In(2)
182	1603.41	106.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
750.00	Free Oil	10.52
60.00	HOCM-45%G-35%O-20%M	0.84
60.00	MCO-28%G-55%O-2%V-15%M	0.84
120.00	MMCO-10%G-65%O-20%V-5%M	1.68
60.00	OCMV-15%G-20%O-35%V-30%M	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bruce Oil Company, LLC
1704 Limestone Road
McPherson, KS. 67460
ATTN: Randy Killian

Ilene #1
18-7s-20w-Rooks
Job Ticket: 23797 **DST#: 3**
Test Start: 2005.09.23 @ 08:28:40

Tool Information

Drill Pipe:	Length: 3377.00 ft	Diameter: 3.80 inches	Volume: 47.37 bbl	Tool Weight: 22000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 47.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3365.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	71.00 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			3345.00	
Shut In Tool	5.00			3350.00	
Hydraulic tool	5.00			3355.00	
Packer	5.00			3360.00	21.00 Bottom Of Top Packer
Packer	5.00			3365.00	
Stubb	1.00			3366.00	
Perforations	2.00			3368.00	
Recorder	0.00	6741	Inside	3368.00	
Change Over Sub	1.00			3369.00	
Blank Spacing	32.00			3401.00	
Change Over Sub	1.00			3402.00	
Perforations	10.00			3412.00	
Recorder	0.00	13221	Outside	3412.00	
Bullnose	3.00			3415.00	50.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bruce Oil Company, LLC

Ilene #1

1704 Limestone Road
McPherson, KS. 67460

18-7s-20w-Rooks

Job Ticket: 23797

DST#: 3

ATTN: Randy Killian

Test Start: 2005.09.23 @ 08:28:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

71000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
750.00	Free Oil	10.521
60.00	HOCM-45%G-35%O-20%M	0.842
60.00	MCO-28%G-55%O-2%W-15%M	0.842
120.00	MMCO-10%G-65%O-20%W-5%M	1.683
60.00	OCMW-15%G-20%O-35%W-30%M	0.842

Total Length: 1050.00 ft

Total Volume: 14.730 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 720' GIP

