

Operator Name: Bruce Oil Company, L.L.C. Lease Name: Ida Mae 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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 Anhydrite 1692 + 433
 Topeka 3088 - 963
 Heebner Sh. 3291 -1165
 Toronto 3321 -1196
 Lansing 3332 -1207
 Stark Sh 3502 -1377
 BKC 3527 -1401

List All E. Logs Run:

DI, Comp N-D, Micro

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KCC WICHITA

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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 (new)	23	208	common	150	3%cacl 2%gel
Production	7 7/8	5 1/2 (used)	15.5 & 17	3628	Allied ASC	150	1/4 floseal 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3335-3464	Common	200	2% cacl, Fluid loss additive to first 50 sax

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
4	3411-3415	natural	3411-3415
4	3371-3375	250 gal 15% mud acid	3371-3375
4	3344-3350	1000 gal 15%	3350-3375

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	3610	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. May 1, 2005			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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	6	0	75	N/A	35

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

ALLIED CEMENTING CO., INC.
 P.O. BOX 31
 RUSSELL, KS 67665
 PH (785) 483-3887
 FAX (785) 483-5566

ORIGINAL

RECEIVED
 JUN 23 2005
 KCC WICHITA

 * I N V O I C E *

Invoice Number: 096214

Invoice Date: 03/15/05

Sold Bruce Oil Company
 To: 1704 Limestone Road
 McPherson, KS
 67460-6500

Cust I.D.....: Bruce
 P.O. Number...: Ida Mae #1
 P.O. Date.....: 03/15/05

Due Date.: 04/14/05

Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	150.00	SKS	8.3000	1245.00	T
Gel	3.00	SKS	13.0000	39.00	T
Chloride	5.00	SKS	36.0000	180.00	T
Handling	158.00	SKS	1.5000	237.00	E
Mileage (70)	70.00	MILE	8.6900	608.30	E
158 sks @ \$.05.5 per sk per mi					
Surface	1.00	JOB	625.0000	625.00	E
Mileage pmp trk	70.00	MILE	4.5000	315.00	E
Wooden Wiper Plug	1.00	EACH	55.0000	55.00	T

All Prices Are Net, Payable 30 Days Following
 Date of Invoice. 1 1/2% Charged Thereafter.
 If Account CURRENT take Discount of \$ 330.43
 ONLY if paid within 30 days from Invoice Date

Subtotal: 3304.30
 Tax.....: 80.51
 Payments: 0.00
 Total....: 3384.81

pd 3-18-05
✓ # 27972

3054.38

ALLIED CEMENTING CO., INC.
 P.O. BOX 31
 RUSSELL, KS 67665
 PH (785) 483-3887
 FAX (785) 483-5566

ORIGINAL

 * INVOICE *

RECEIVED
 JUN 23 2005
 KCC WICHITA

Invoice Number: 096261

Invoice Date: 03/23/05

Sold Bruce Oil Company
 To: 1704 Limestone Road
 McPherson, KS
 67460-6500

Cust I.D.....: Bruce
 P.O. Number...: Ida Mae #1
 P.O. Date.....: 03/23/05

Due Date.: 04/22/05
 Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	270.00	SKS	8.3000	2241.00	T
Pozmix	180.00	SKS	4.5000	810.00	T
Gel	23.00	SKS	13.0000	299.00	T
FloSeal	113.00	LBS	1.6000	180.80	T
Handling	473.00	SKS	1.5000	709.50	E
Mileage (70)	70.00	MILE	26.0200	1821.40	E
473 sks @\$.05.5 per sk per mi					
Top State	1.00	JOB	750.0000	750.00	E

All Prices Are Net, Payable 30 Days Following
 Date of Invoice. 1 1/2% Charged Thereafter.
 If Account CURRENT take Discount of \$681.17
 ONLY if paid within 30 days from Invoice Date

Subtotal:	6811.70
Tax.....:	187.13
Payments:	0.00
Total...:	6998.83

ORIGINAL

ALLIED CEMENTING CO., INC. 18695

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

SERVICE POINT:
Russell

DATE <u>3-18-05</u>	SEC. <u>18</u>	TWP. <u>2</u>	RANGE <u>20</u>	CALLED OUT <u>8:00am</u>	ON LOCATION <u>11:00am</u>	JOB START <u>3:45pm</u>	JOB FINISH <u>4:45pm</u>
LEASE <u>IPA MAE</u>	WELL # <u>1</u>	LOCATION <u>DAMAR N. TO OLD 24</u>			COUNTY <u>ROCKS</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1/2 W 1/2 N</u>				

CONTRACTOR A + A DRLg.
 TYPE OF JOB Production STRING (DU)
 HOLE SIZE 7 7/8 T.D. 3630
 CASING SIZE 5 1/2 USED DEPTH 3629
 TUBING SIZE #15 DEPTH
 DRILL PIPE #45 DEPTH
 TOOL DU TOOL @ DEPTH 2135'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 10'
 PERFS.
 DISPLACEMENT 5 1/2 / BBL
 EQUIPMENT

PUMP TRUCK CEMENTER GLENN
 # 366 HELPER Shane
 BULK TRUCK
 # 213 DRIVER GARY
 BULK TRUCK
 # 362 DRIVER KEITH

OWNER
 CEMENT
 AMOUNT ORDERED 4.50 SK 60 1/4 # FLO-SEAL PER SK.
 COMMON 270 @ 8.30 2241.00
 POZMIX 180 @ 4.50 810.00
 GEL 23 @ 13.00 299.00
 CHLORIDE @
 ASC @
 FLOSEAL 113.5 @ 1.60 181.60
 HANDLING 473 @ 1.50 709.50
 MILEAGE 5.5 / SK / MILE 1821.40
 TOTAL 6061.70

REMARKS:

(DU TOOL ON #45 JT) TOP STAGE
OPEN DU TOOL @ 800 #
HAND Plug @ 1500 #
Cement DID CIRCULATE
15 SK Cement in Rat Hole THANK'S

CHARGE TO: BRUCE Oil Co. LLC
 STREET _____
 CITY _____ STATE _____ ZIP _____

Cement DIP CIRCULATE: Allen Hunter Gmitter
Sonny Bruce, operator
Fanny Duvogutt Miller

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 Sonny Bruce

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE 750.00
 EXTRA FOOTAGE @ _____
 MILEAGE @ _____
 MANIFOLD @ _____
 TOTAL 750.00

PLUG & FLOAT EQUIPMENT
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____

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 TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS
SONNY BRUCE
 PRINTED NAME

ALLIED CEMENTING CO., INC.
 P.O. BOX 31
 RUSSELL, KS 67665
 PH (785) 483-3887
 FAX (785) 483-5566

ORIGINAL

 * I N V O I C E *

Invoice Number: 096260

Invoice Date: 03/23/05

Sold Bruce Oil Company
 To: 1704 Limestone Road
 McPherson, KS
 67460-6500

Cust I.D.....: Bruce
 P.O. Number...: Ida Mae #1
 P.O. Date.....: 03/23/05

Due Date.: 04/22/05
 Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Gel	3.00	SKS	13.0000	39.00	T
ASC	150.00	SKS	10.2500	1537.50	T
FloSeal	38.00	LBS	1.6000	60.80	T
Handling	153.00	SKS	1.5000	229.50	E
Mileage (70)	70.00	MILE	8.4200	589.40	E
153 sks @\$.05.5 per sk per mi					
Prod. String DV	1.00	JOB	1260.0000	1260.00	E
Mileage pmp trk	70.00	MILE	4.5000	315.00	E
Baskets	1.00	EACH	140.0000	140.00	T
DV 2 Stage	1.00	EACH	3000.0000	3000.00	T

All Prices Are Net, Payable 30 Days Following
 Date of Invoice. 1 1/2% Charged Thereafter.
 If Account CURRENT take Discount of \$ 717.12
 ONLY if paid within 30 days from Invoice Date

Subtotal:	7171.20
Tax.....:	253.20
Payments:	0.00
Total....:	7424.40

RECEIVED
 JUN 23 2005
 KCC WICHITA

ALLIED CEMENTING CO., INC. 18694

ORIGINAL

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

SERVICE POINT:

Russell

DATE 3-18-05	SEC. 18	TWP. 7	RANGE 20	CALLED OUT 8:00 AM	ON LOCATION 11:00 AM	JOB START 2:30 PM	JOB FINISH 3:15 PM
LEASE MAE	WELL # 1	LOCATION Damar N. To OLD 24			COUNTY ROOKS	STATE KANSAS	
OLD OR <u>NEW</u> (Circle one)				1/2 W 1/2 N			

CONTRACTOR **A + A Drilling**

TYPE OF JOB **Production String (D.V)**

HOLE SIZE **7 7/8** T.D. **3630'**

CASING SIZE **5 1/2 450 15#** DEPTH **3629'**

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL **AFU Inert @** DEPTH **3619'**

PRES. MAX **1,200#** MINIMUM _____

MEAS. LINE _____ SHOE JOINT **10'**

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT ~~87,685~~ **87,685**

OWNER _____

CEMENT AMOUNT ORDERED ~~450 SK 69~~ **150 SK ASC 2% Gel**

1/4 # FLO-SEAL Per SK,

COMMON	_____	@	_____	_____
POZMIX	_____	@	_____	_____
GEL	3	@	13.00	39.00
CHLORIDE	_____	@	_____	_____
ASC	150	@	10.25	1537.50
FLO-SEAL	38#	@	1.60	60.80
HANDLING	153	@	1.50	229.50
MILEAGE @	.055/SK/MILE			589.40
TOTAL				2456.20

EQUIPMENT

PUMP TRUCK CEMENTER **Glenn**

366 HELPER **Shame**

BULK TRUCK DRIVER **GIARY**

213

BULK TRUCK DRIVER **KEITH**

362

REMARKS:

Bottom Stage

LAND plug @ 1200#

FLOAT - HELD

THANKS

SERVICE

DEPTH OF JOB	_____		_____	
PUMP TRUCK CHARGE	_____		1260.00	
EXTRA FOOTAGE	_____	@	_____	
MILEAGE	70	@	4.50	
MANIFOLD	_____	@	_____	
TOTAL				1575.00

CHARGE TO: **BRUCE Oil Co. LLC**

STREET _____

CITY _____ STATE _____ ZIP _____

**WEATHERFORD
PLUG & FLOAT EQUIPMENT**

OWN	1-Guide Shoe		_____
OWN	1-AFU INSERT	@	_____
OWN	2-BASKETS	@	140.00
OWN	7-CENTRALIZERS	@	_____
OWN	1-DIP STAGE TOOL	@	3000.00
RECEIVED			

JUN 23 2005

KCC WICHITA

TOTAL 3140.00

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 Tommy Bruce

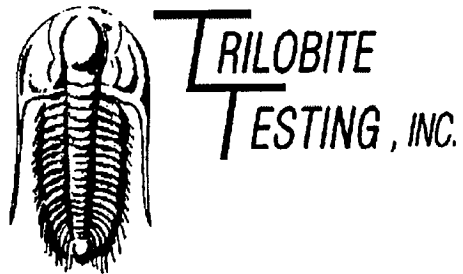
LONNY BRUCE

PRINTED NAME

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Bruce Oil Company LLC**

1704 Limestone Rd
McPherson Ks 67460

ATTN: Lonny Bruce

18-7s-20w Rooks

Ida Mae #1

Start Date: 2005.03.16 @ 13:34:25

End Date: 2005.03.16 @ 21:07:24

Job Ticket #: 21684 DST #: 1

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

Bruce Oil Company LLC

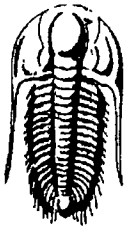
Ida Mae #1

18-7s-20w Rooks

DST # 1

LKC C-G

2005.03.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bruce Oil Company LLC

Ida Mae #1

1704 Limestone Rd
McPherson Ks 67460

18-7s-20w Rooks

Job Ticket: 21684

DST#: 1

ATTN: Lonny Bruce

Test Start: 2005.03.16 @ 13:34:25

GENERAL INFORMATION:

Formation: **LKC C-G**

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

Time Tool Opened: 15:07:24

Time Test Ended: 21:07:24

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **3347.00 ft (KB) To 3430.00 ft (KB) (TVD)**

Total Depth: **3430.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2125.00 ft (KB)**

2120.00 ft (CF)

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

Serial #: 6668

Inside

Press@RunDepth: **398.67 psig @ 3349.01 ft (KB)**

Start Date: **2005.03.16**

End Date:

2005.03.16

Capacity: **7000.00 psig**

Last Calib.: **2005.03.16**

Start Time: **13:34:25**

End Time:

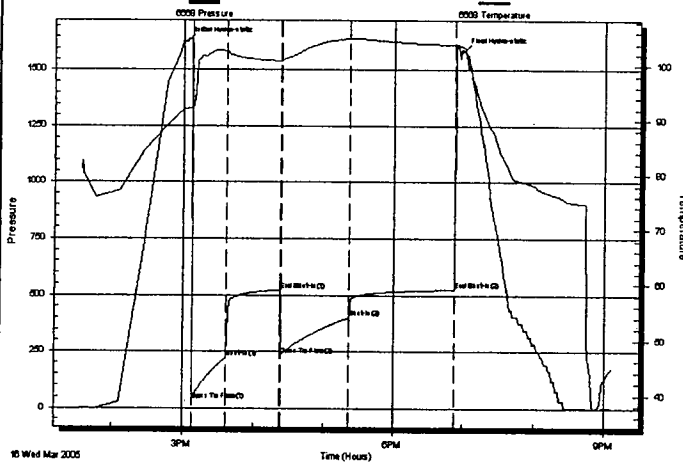
21:07:24

Time On Btm: **2005.03.16 @ 15:02:54**

Time Off Btm: **2005.03.16 @ 18:59:24**

TEST COMMENT: FFP-w k to strg in 3 min
FFP-w k to strg in 7 min
Times 30-45-60-90
ISP-w k bl bk,FSIP-w k bl bk

Pressure vs. Time



PRESSURE SUMMARY

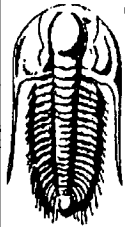
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.93	92.16	Initial Hydro-static
5	34.87	92.12	Open To Flow (1)
34	222.00	102.71	Shut-In(1)
80	519.53	100.77	End Shut-In(1)
80	232.77	100.79	Open To Flow (2)
139	398.67	105.00	Shut-In(2)
230	523.53	103.95	End Shut-In(2)
237	1587.94	103.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	CO	0.07
90.00	W&MGO 5%G 40%O 25%W 30%M	1.26
248.00	M&OCW 25%O 10%M 65%W	3.48
124.00	OCMV 10%O 20%M 70%W	1.74
434.00	Water RW.11@70F	6.09

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bruce Oil Company LLC

Ida Mae #1

1704 Limestone Rd
McPherson Ks 67460

18-7s-20w Rooks

Job Ticket: 21684

DST#: 1

ATTN: Lonny Bruce

Test Start: 2005.03.16 @ 13:34:25

Tool Information

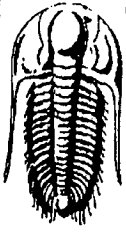
Drill Pipe:	Length: 3347.00 ft	Diameter: 3.80 inches	Volume: 46.95 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 46.95 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3347.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.02 ft			
Tool Length:	104.02 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			3327.00	
Shut In Tool	5.00			3332.00	
Hydraulic tool	5.00			3337.00	
Packer	5.00			3342.00	21.00 Bottom Of Top Packer
Packer	5.00			3347.00	
Stubb	1.00			3348.00	
Perforations	1.00			3349.00	
Recorder	0.01	6668	Inside	3349.01	
Blank Spacing	64.00			3413.01	
Recorder	0.01	13534	Outside	3413.02	
Perforations	14.00			3427.02	
Bullnose	3.00			3430.02	83.02 Bottom Packers & Anchor

Total Tool Length: 104.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bruce Oil Company LLC

Ida Mae #1

1704 Limestone Rd
McPherson Ks 67460

18-7s-20w Rooks

Job Ticket: 21684 DST#: 1

ATTN: Lonny Bruce

Test Start: 2005.03.16 @ 13:34:25

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:

73000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	CO	0.070
90.00	W&MGO 5%G 40%O 25%W 30%M	1.262
248.00	M&OCW 25%O 10%M 65%W	3.479
124.00	OCMV 10%O 20%M 70%W	1.739
434.00	Water RW .11@70F	6.088

Total Length: 901.00 ft Total Volume: 12.638 bbf

Num Fluid Samples: 0

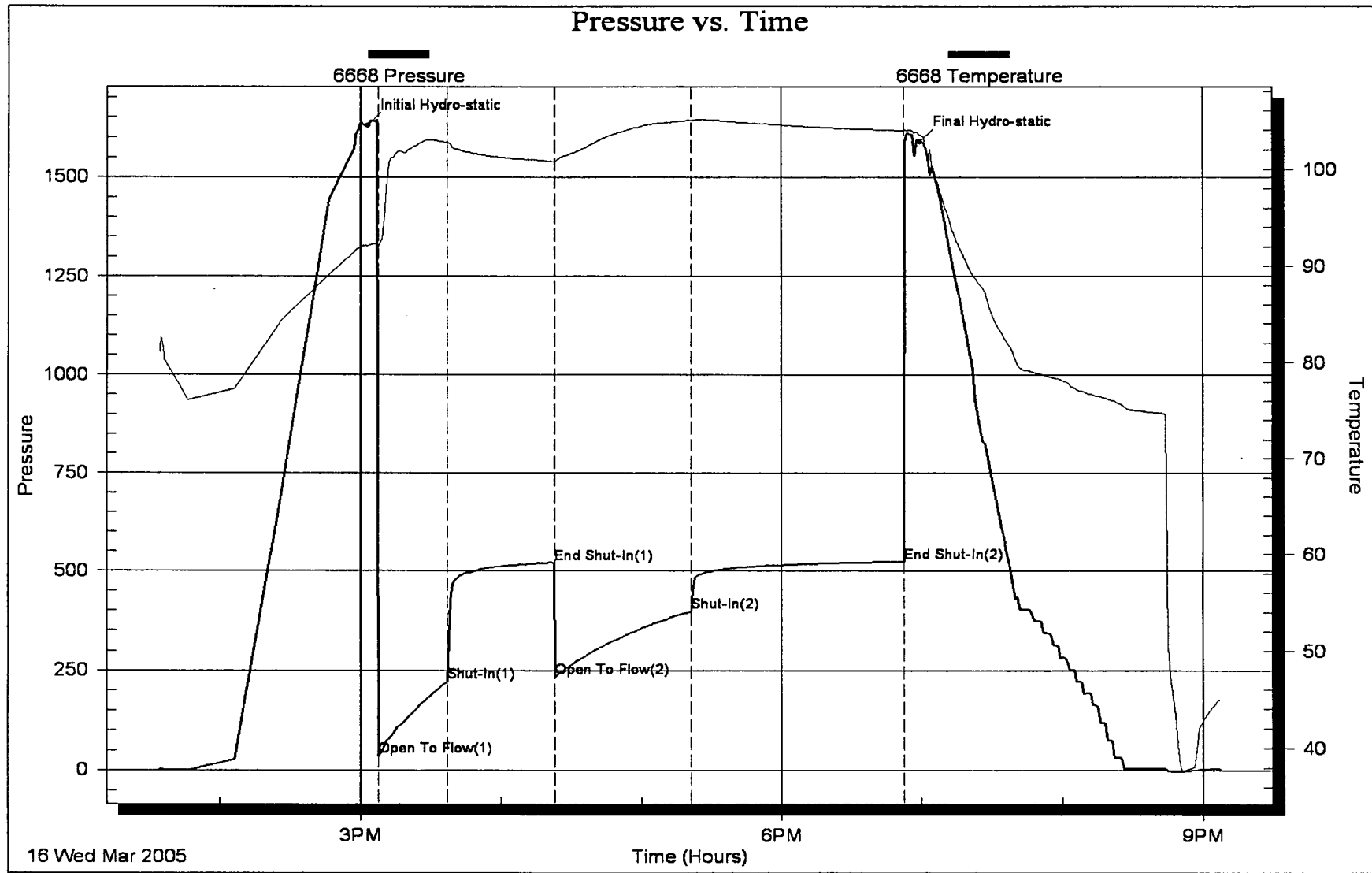
Num Gas Bombs: 0

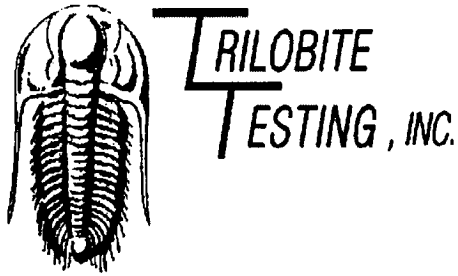
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Bruce Oil Company LLC**

1704 Limestone Rd
McPherson Ks 67460

ATTN: Lonny Bruce

18-7s-20w Rooks

Ida Mae #1

Start Date: 2005.03.17 @ 12:58:31

End Date: 2005.03.17 @ 17:39:30

Job Ticket #: 21685 DST #: 2

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

Bruce Oil Company LLC

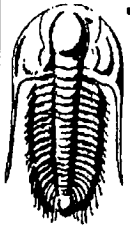
Ida Mae #1

18-7s-20w Rooks

DST # 2

Arbuckle

2005.03.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bruce Oil Company LLC

Ida Mae #1

1704 Limestone Rd
McPherson Ks 67460

18-7s-20w Rooks

Job Ticket: 21685

DST#: 2

ATTN: Lonny Bruce

Test Start: 2005.03.17 @ 12:58:31

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 14:14:30
 Time Test Ended: 17:39:30

Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **28**

Interval: **3565.00 ft (KB) To 3591.00 ft (KB) (TVD)**
 Total Depth: **3591.00 ft (KB) (TVD)**
 Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2125.00 ft (KB)**
2120.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6668

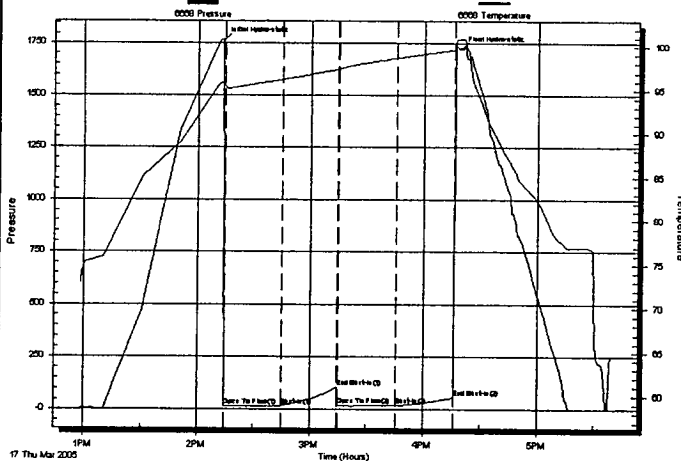
Inside

Press@RunDepth: **19.00 psig @ 3569.01 ft (KB)**
 Start Date: **2005.03.17** End Date: **2005.03.17**
 Start Time: **12:58:31** End Time: **17:39:30**

Capacity: **7000.00 psig**
 Last Calib.: **2005.03.17**
 Time On Btm: **2005.03.17 @ 14:13:30**
 Time Off Btm: **2005.03.17 @ 16:19:00**

TEST COMMENT: **IFP-wk surface bl thru-out**
IFP-wk surface bl
Times 30-30-30-30

Pressure vs. Time



PRESSURE SUMMARY

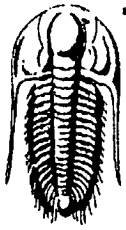
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1763.31	95.80	Initial Hydro-static
1	14.49	95.51	Open To Flow (1)
31	17.71	96.24	Shut-In(1)
61	104.90	97.41	End Shut-In(1)
62	18.30	97.43	Open To Flow (2)
92	19.00	98.65	Shut-In(2)
123	56.64	99.64	End Shut-In(2)
126	1722.21	100.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Clean Oil	0.03
5.00	HOCM 25%oil 75% mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bruce Oil Company LLC

Ida Mae #1

1704 Limestone Rd
McPherson Ks 67460

18-7s-20w Rooks

Job Ticket: 21685

DST#: 2

ATTN: Lonny Bruce

Test Start: 2005.03.17 @ 12:58:31

Tool Information

Drill Pipe:	Length: 3564.00 ft	Diameter: 3.80 inches	Volume: 49.99 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3565.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.02 ft			
Tool Length:	47.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3545.00	
Shut In Tool	5.00			3550.00	
Hydraulic tool	5.00			3555.00	
Packer	5.00			3560.00	21.00 Bottom Of Top Packer
Packer	5.00			3565.00	
Stubb	1.00			3566.00	
Perforations	3.00			3569.00	
Recorder	0.01	6668	Inside	3569.01	
Perforations	19.00			3588.01	
Recorder	0.01	13534	Outside	3588.02	
Bullnose	3.00			3591.02	26.02 Bottom Packers & Anchor

Total Tool Length: 47.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bruce Oil Company LLC

Ida Mae #1

1704 Limestone Rd
McPherson Ks 67460

18-7s-20w Rooks

Job Ticket: 21685

DST#: 2

ATTN: Lonny Bruce

Test Start: 2005.03.17 @ 12:58:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.73 in³

Resistivity: ohm.m

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Clean Oil	0.028
5.00	HOCM 25%oil 75%mud	0.070

Total Length: 7.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

