



KANSAS CORPORATION COMMISSION 1087362  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 33764  
Name: Investment Equipment LLC  
Address 1: 17509 COUNTY RD 14  
Address 2: \_\_\_\_\_  
City: FT MORGAN State: CO Zip: 80701 + 8904  
Contact Person: Dave Rebol  
Phone: (970) 867-9007  
CONTRACTOR: License # 34233  
Name: Maverick Drilling LLC  
Wellsite Geologist: Marc Downing  
Purchaser: Plains Marketing

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>02/09/2012</u>	<u>02/16/2012</u>	<u>03/07/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-24001-00-00

Spot Description: \_\_\_\_\_

NE\_NE\_NW Sec. 27 Twp. 10 S. R. 18  East  West  
330 Feet from  North /  South Line of Section  
2310 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Rooks

Lease Name: EILERS Well #: 8

Field Name: EILERS

Producing Formation: Arbuckle

Elevation: Ground: 2070 Kelly Bushing: 2085

Total Depth: 3738 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 270 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1950 Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 3000 ppm Fluid volume: 679 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garcia Date: 07/23/2012



1087362

Operator Name: Investment Equipment LLC Lease Name: EILERS Well #: 8  
 Sec. 27 Twp. 10 S. R. 18  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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  DIL DCPUCNL MEL	<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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1429</td> <td></td> </tr> <tr> <td>Topeka</td> <td>3060</td> <td></td> </tr> <tr> <td>LKC</td> <td>3319</td> <td></td> </tr> <tr> <td>Conglomerate</td> <td>3559</td> <td></td> </tr> <tr> <td>Simpson</td> <td>3622</td> <td></td> </tr> <tr> <td>Arbuckle</td> <td>3654</td> <td></td> </tr> </table>	Name	Top	Datum	Anhydrite	1429		Topeka	3060		LKC	3319		Conglomerate	3559		Simpson	3622		Arbuckle	3654	
Name	Top	Datum																				
Anhydrite	1429																					
Topeka	3060																					
LKC	3319																					
Conglomerate	3559																					
Simpson	3622																					
Arbuckle	3654																					

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	20	280	Common	170	2% gel, 3% CC
Long	7.875	5.5	15.50	3737	Standard	175	2 gal Clayfix, 875# salt
Port Collar	7.875	5.5	15.50	1950	Midcon II	200	Flocel

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	3662-3665	250 gallons mud, acid	
4	3355-3358, 3393-3396, 3472-3477	750 gallons mud, acid	

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3600</u>	Packer At: <u>NA</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>05/01/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>6</u>	Gas Mcf <u>0</u>	Water Bbls. <u>100</u>	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Arbuckle, LKC</u>
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P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



# Invoice

DATE	INVOICE #
2/15/2012	21285

<b>BILL TO</b>
Investment Equipment, LLC 17509 County Road 14 Fort Morgan, CO 80701-8904

*pd 2-29-12*  
*CL# 18754*

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#8	Eilers	Ellis	Maverick Drilling	Oil	Development	Cement LongStri...	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				30	Miles	6.00	180.00
578D-L	Pump Charge - Long String - 3737 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
402-5	5 1/2" Centralizer				7	Each	70.00	490.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
325	Standard Cement				175	Sacks	13.50	2,362.50T
276	Flocele				44	Lb(s)	2.00	88.00T
283	Salt				875	Lb(s)	0.20	175.00T
284	Calseal				9	Sack(s)	35.00	315.00T
285	CFR-1				82	Lb(s)	4.00	328.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00T
583D	Drayage				274.11	Ton Miles	1.00	274.11
	Subtotal							10,057.61
	Sales Tax Ellis County						6.30%	488.47
<b>We Appreciate Your Business!</b>						<b>Total</b>		<b>\$10,546.08</b>



CHARGE TO:  
*Investment Equipment*

ADDRESS

CITY, STATE, ZIP CODE

TICKET  
No 21285

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Hays, Ks</i> 2. <i>Ness City, Ks</i> 3. 4.	WELL/PROJECT NO # <i>8</i>	LEASE <i>Eilers</i>	COUNTY/PARISH <i>Ellis</i>	STATE <i>Ks</i>	CITY	DATE <i>2-15-12</i>	OWNER
	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Mawerick</i>	RIG NAME/NO.	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>6/Ellettsville, Ks</i>	ORDER NO.	
	WELL TYPE <i>Oil</i>	WELL CATEGORY <i>infield</i>	JOB PURPOSE <i>Cement Logging</i>	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
7 575		1			MILEAGE #113	30	mi			6000	18000
578		1			Pump Charge - cat Logging	1	hr	3237	hr	150000	150000
221		1			Liquid KCL	2	gal			2500	5000
281		1			Mud Push	500	gal			125	62500
402		1			Centrifuges	7	hr	5 1/2	in	7000	49000
403		1			Cement Baskets	1	ea	5 1/2	in	25000	25000
404		1			Part Biber	1	ea	5 1/2	in	240000	240000
406		1			Latch Down Plug & Bottle	1	ea	5 1/2	in	25000	25000
407		1			Insert Feed shoe w/ Air bit	1	ea	5 1/2	in	35000	35000
890		1			D-Air	2	gal			3500	7000
7											

**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 *2-15-12* TIME SIGNED *1200*  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	P1 PAGE TOTAL	616500
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P.2	389261
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal	1005761
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Ellis TAX 6.3%	48847
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	10,54608
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

SWIFT OPERATOR *[Signature]* APPROVAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby, acting as representative of the materials and services listed on this ticket:

Thank You!



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

TICKET CONTINUATION

TICKET No. 21285

CUSTOMER Investment Equipment WELL #8 Eilers DATE 2-15-12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION					UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
325		2				Standard Cement	175	SKS	16450	lbs	1350	236250
276		2				Flare	41	lbs			200	8240
283		2				Salt	875	lbs			20	17500
284		2				Castrol	823	lbs	9	SKS	3600	31500
285		2				CR-1	82	lbs			400	32800
581		2				SERVICE CHARGE	175	SKS	Cement	CUBIC FEET	200	35000
583		2				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		100	27911
							18274	lbs	30	274.11		

CONTINUATION TOTAL 3892.61

**JOB LOG**

**SWIFT Services, Inc.**

DATE 2-15-12 PAGE NO. 1

CUSTOMER Investment Equipment

WELL NO. #8

LEASE Eilers

JOB TYPE Cement Longstring

TICKET NO. 21285

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1845					15.5	542	70-3738' IN bottom w/FE - wait on wellbore for 8 5/8 collar back.
	2115							Start casing to 3737' - 92 JTs - last JT out Insert Flow shoe w/Auto RLL #0 → Not numbered 51-22 @ 3715' = (28 1/2 BBL) Cont 1-3-5-7-9-11-92 numbers
								P.C #43 @ 1950' Revert Pump #43 Drop ball up ball 5' out
	2300							Fin run casing
	2310							start circ
	2345							Fin circ
	2350					8	6	Plug RH-30 SKS MH 20 SKS EM-2 out
	0005	5	12				350	Pump 500 gal Mud flush
		6	20				400	Pump 20 BBL Mud flush
		4 1/2					350	Start 125 SKS EM-2 out
	0030	4	35				350	Fin out - Wash out Pump & Lines
	0034	9					500	Start Displ
		9					600	
		7	70				500	Caught out - skin rate
		6	80				705	skin rate
		5	85				705	skin rate
	0050	0	88 1/2				750	Plug Down - (Buy Hold) - Release & Hold
							1400	Washup PT
								Break up
	0130							Job Complete
								<i>[Signature]</i> Alan, Brian & Rob.

**Marc Downing**  
 Consulting Petroleum Geologist  
 1411 Washington Circle  
 Hays, Ks 67601  
 Phone: 620-428-1356 (cell) 785-621-7286

**GEOLOGIC  
 REPORT  
 LOG**

COMPANY Investment Equipment LLC

10s	18w
	27

RECEIVED  
 JUL 05 2012

WELL Eilers # 8

FIELD Eilers

KCC WICHITA

LOCATION 330' FWL + 2310' FWL

PRODUCTION Arbuckle + LKC

SEC. 27 TWP. 10s RGE. 19w

ELEVATION KB 2085

COUNTY Rooks

DF

STATE Kansas

GL 2076

Drilling Started From: KB

Surface Sealed From: 3050 To: TD

Drilling Time From: 2950 To: TD

Roopies Enclosed From: 3050 To: TD

OPERATOR Investment Equipment LLC

Geological Supervision From: 2950 To Total Depth

CONTRACTOR Maverick, Rig #109

Wellbore Geologist Marc Downing

DATE: 2-15-12

Electrical Service Log-Tech

**CASING RECORD**

SURF: 9 5/8" @ 270' PROD: 5 1/2" @ 3737'

CNL/COL

TOTAL DEPTH DRILLERS: 3737'

DIL

TOTAL DEPTH LOG: 3739'

MEL

**FORMATION TOPS AND STRUCTURAL POSITION**

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Top Anhydrite	NA	1429	+656	+3
Base Anhydrite	NA	1462	+623	NA
Topeka	3060	3059	-973	-1
HEBNER	3274	3275	-1190	FL
Toronto	3291	3290	-1205	+1
LKC	3319	3317	-1232	-2
BKC	3533	3534	-1449	NA
Conglomerate	3559	3559	-1474	FL
Simpson Dolo.	3622	3624	-1539	NA
Arbuckle	3654	3654	-1571	+2

REFERENCE WELL FOR STRUCTURE BGH Oil Properties

Eilers West #1

SE-NE-NW

Sec. 27-10s-19w





## DRILL STEM TESTS

No.	Interval	150'/1hr	100'/1hr	75'/1hr	50'/1hr	25'-10'	REMARKS

**REMARKS AND RECOMMENDATIONS:** Due to structural position, log evaluation, & good sample shows, it was decided to set 5 1/2" production casing for completion.

Perforate:

- Arbuckle: 3642-66
- LKC "E": 3393-3396
- LKC "C": 3355-3358
- LKC "I": 3472-3477 (Before Abandonment, DST #1)

*M. J. Davis*

# LEGEND



Anhydrite



Salt



Sandstone



Shale



Carb sh



Limestone



Gcl.Lime



Chert



Dolomite

DRILLING TIME IN MINUTES  
PER FOOT

Rate of Penetration Diagram



DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

2950

2950

3000

50

Topoka  
3060(-975)

sh. gray

LS: tan-wht, finxln,  
prx + dms. Scot foss  
w/ depth, few sub-xln ex.

Tapaka  
3060(-975)

50

Sh: grey

LS: tan-wht, Fin xln,  
prx + dms. Scat foss  
wl depth, few sub xln ex.

Sh: grey

LS: wht, Fin-wd xln, sub  
xln wl few foss. Mostly  
dms wl prx

3100

Sh: dk grey

Sh: grey

LS: wht-tan, Fin xln, All  
prx + dms.

LS: wht, Fin xln, sub xln,  
ex frag dolomitic in prt,  
prx, dms, NS.

Sh: grey w/ br

LS: wht, Fin xln, foss. fr Amt  
dalam LS, NS

50

Sh: Black Carb

Sh: grey

LS: wht, Fin. v Fin xln,  
All v prx + totally  
barren, NS.

3200

Sh: grey

All vprgs + totally  
barren, NS.

3200

Sh: g/g

Sh: Black Carb

Sh: g/g

LS: wht, fm-mid xln, foss. Mostly  
subxln-chlky, 1-2 rx w/  
Fr stn + SFO in gd int fosses,  
No Od. Scat g/g-bm foss  
onto.

Sh: g/g

LS: wht, fm-mid xln, scat foss,  
Fr int fosses, subxln, pr hug  
stn + SFO, No Od.

50

LS: wht, fm-mid xln, scat  
foss, long sltly intd,  
subxln-chlky. Totally  
barren. Long v chlky w/  
depth, g/g chnta, Fr Od.

Sh: Black Carb

Sh: g/g

LS: wht, fm xln, few sm l foss,  
Fr-gd int xlns, many subxln-  
chlky ex. Scat l-bm stn, rare  
SFO, 1+ Fr Od.

3300

Sh: g/g - 1+ g/g

LS: wht, fm-vfm xln, v dms,

No visse, NS.

LS: wht-fan, fm-mid xln, foss.

3-4 rx w/ Fr intaln + v g/g,  
Fr SFO, No Od.

HEEBNER  
3276-(1198)

Toronto  
3291-(1206)

LKC  
3319-(1234)

LKC  
3319(-1234)

50

Sh: 5'5" - 14'5"

LS: wht, Fu-vFu xln, v dms.

No visk, NS.

LS: wht-tan, Fu-md xln, foss.

3-4 rx w/ Fr intxln + vugx,  
Fr SFO, No Od.

Sh: 5'5"

LS: wht, Fu xln, Fu-md xln,  
mostly prx + dms. 2-3 rx w/  
Fr stu w/ spttd SFO, dclm in  
prt, No Od.

Sh: 5'5"

LS: tan-wht, Mostly dms, 2-3  
rx w/ pr vugx w/ spttd SFO,  
rest barren, No Od.

Sh: Black Carb

3400

LS: wht, Fu xln, dms. 1-2  
rx w/ lt stu, NSFO, No Od.

LS: wht-lt tan, md xln, dclm  
w/ few foss. gd intxln, 3-4 rx  
w/ gd sat + Fr SFO, 3-4 rx w/ dclm  
blk stu, Fr Od.

LS: wht, Fu-vFu xln, v  
dms, No visk, Totally  
barren. Seat torn  
chnto.

50

Sh: Black Carb

LS: wht-lt tan, md xln, Fr  
vugx, sltly tife. 2-3 rx w/  
Fr stu + spttd SFO, lt-Fr Od.

LS: wht, Fu xln, mostly dms,  
prx, NS.

Sh: dk gr  
LS: wht-lt tan, md xln, seat fast

Vis: 47 Lt: 18

Ost #1

3437-3498

45-45-45-45

I.f. - 5 3/4" blow

F.f. - 5" blow

IPP: 116-63

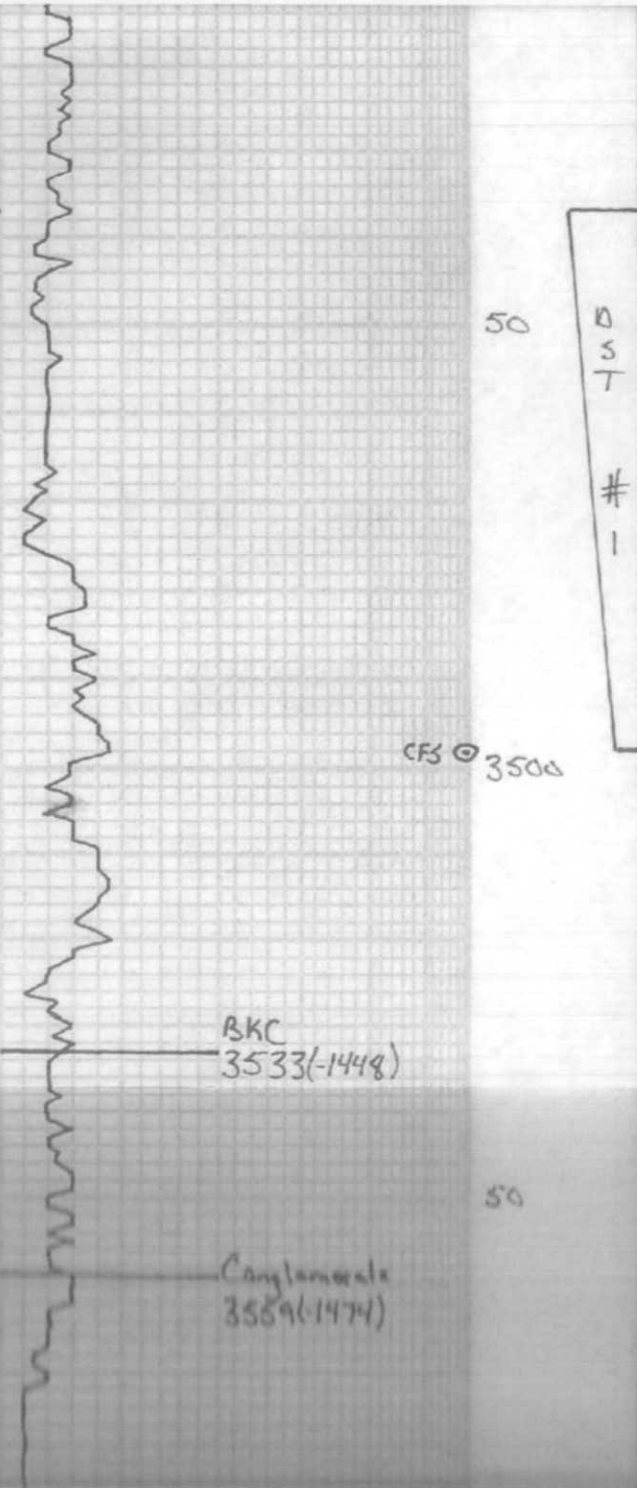
FFP: 65-105

SIP: 65-1-622

HPI: 1696-1666

Rec:

D  
S  
T  
#



LS: wht, Fu-vFu xln, v  
dns, no vix, Totally  
barren. Scot form  
into.

Sh: Black Carb

LS: wht-lt tan, md xln, Fr  
vugx, sltly fite. 2-3 rx w/  
Fr stn + spfld SFA, lt-Fr Od.

LS: wht, Fu xln, mostly dns,  
ppx, No.

Sh: drk gr  
LS: wht-lt tan, md xln, scat fess  
Fr-gd vugx w/ gd sat stn, Fr-gd  
SFA, Fr Amt subxtn-culky ex. lt-  
Fr Od, 1-2 drops free oil on exp.

Sh: brn-gr  
LS: wht-lt tan, sltly delam w/  
free fess, pr-Fr int fess + ppx,  
lt brn stn, rare spfld SFA, Fr  
Od.

Sh: Black Carb

LS: wht, Fu xln, mostly dns  
+ barren. 2-3 rx w/ Fr stn +  
spfld SFA in pr ppx, v dns mtr  
lt Od.

Sh: Black Carb

LS: wht, Fu-md xln, mostly sub  
xln, 2-3 rx w/ spfld SFA, No Od,  
mostly barren.

Sh: gr

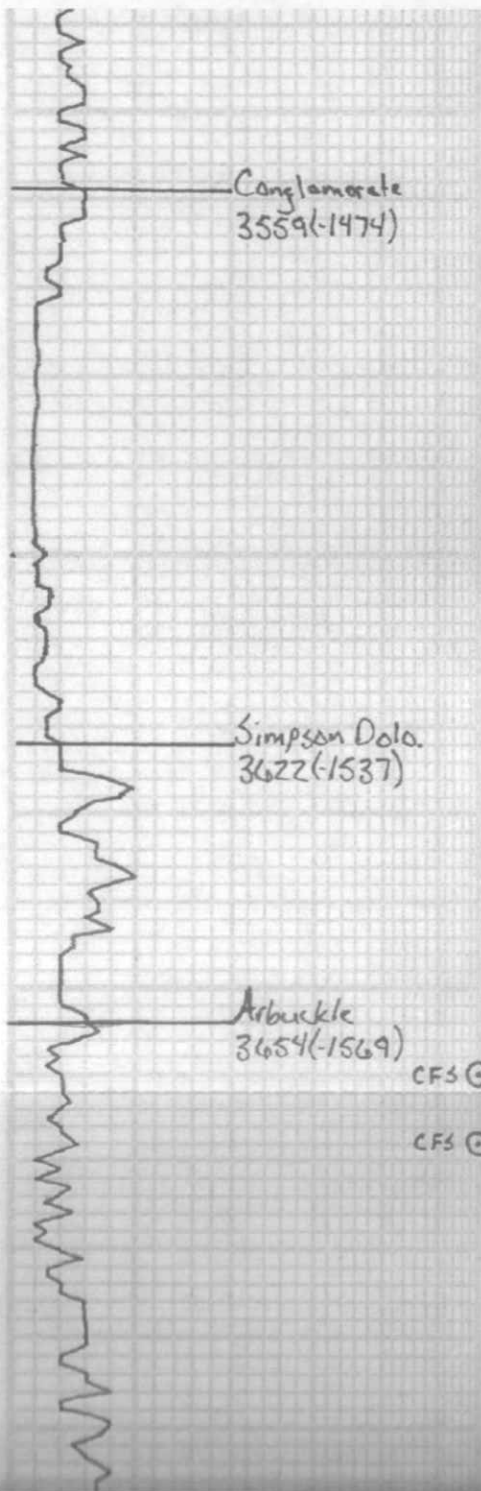
LS: wht, Fu-md xln, pr ppx w/  
Fr stn, spfld SFA, No Od.

Sh: gr

LS: wht, Fu-vFu xln, subxtn  
in pct. 2-3 rx w/ Fr detorming  
SFA, Free fess, lt-Fr Od.

LS: few pct AIA, trng barren  
Fr amt wht sup + freat

Vis: 47 Lt: 8.8  
OST #1  
3437-3498  
45-45-45-45  
I.F. - 5 3/4" blow  
F.F. - 5" blow  
I.F.P. - 16-43  
F.F.P. - 65-105  
S.I.P. - 651-622  
H.P. - 1696-1666  
Rec:  
67' SACM 5%  
124' SACM 5%, 45%  
BHT: 101° Chlor: 32K



50	Sh: ggy	LS: wht, Fu-mid xln, pr pps ul Fr str, spthd SFO, No Od.
	Sh: ggy	LS: wht, Fu-vfn xln, subxln in prt. 2-3 ex ul Fr str wry SFO, Few Foss, 11-foot Od.
		LS: Few pcs AIA, trng barren Fr amt wht shp + fresh chrt, Scat gilsonite str in chrt, All NSFO, No Od.
3600	D S T	
	#	Dolo: wht-clr, Fu-mid suc xln, fr-gd intxln ul gd vng x. Some total sat ul gd-vgd SFO, Sltly wry, Fat Od.
	2	Sh: ggy LS: tan, Fu xln, Few pcs dirty SS, Fr sort, sub ind, NS.
50		Sh: much ggy ul Fr amt tourg.
		Dolo: tan-wht, Fu-vfn suc xln, gd intxln, vgd sat ul gd SFO. Trng and chrt in str. Fr vng, gd str SFO. 11 Od, Much sh.
		Dolo: tan, Fu-vfn xln ul scat suc pr. 5-6 ex ul Fr-gd vng, tite vntx. gd sat ul gd SFO, some ul oil filled vngs, Fr-gd Od.
		Dolo: tan, trng mid rhom xln, gd intxln ul smt vngs. gd sat str ul gd SFO, Fr-gd Od.
		Dolo: Trng wht, Fu-mid rhom xln, sac in prt. Fr Amt chky ex, mostly barren, Fat Od.
		Dolo: wht, Fu-mid rhom xln, mostly tite ul prp. Fr amt wht chrt, Mostly barren.

Vig: 49    Wt: 9.2  
 DST #2  
 3600-3660  
 15-30-15-12  
 I.F. - 1/4", died 15 min  
 F.F. - Few boulders  
 I.F.P. 16-19  
 F.F.P. 19-19  
 S.I.P. 583-175  
 H.P. 1809-1749  
 Rec:  
 5' mud  
 BHT: 98°





CFS ⊙

3700

CTCH ⊙

50

RTD: 3737(-1652)  
LTD: 3738(-1653)

5-6 ex ul Fr-gd vngs, size vntx. gd sed  
ul gd sfo, some ul oil filled vngs,  
Fr-gd Od.

Dolo: tan, trng md rhom xln, gd  
integrated smt vngs. gd sat etn ul  
gd sfo, Fr-gd Od.

Dolo: Trng wht, Fu-md rhom  
xln, sac in prt. Fr Amt chky  
ex, mostly barren, Fut Od.

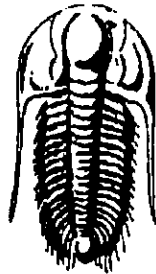
Dolo: wht, Fu-md rhom xln,  
mostly fine ul prg. Fr amt  
wht chnto, Mostly barren.

Rx ul pink hue in prt.

Dolo: wht, md-cr rhom xln,  
scat gd vngs, barren.

Dolo: wht tan, trng gd vngs,  
scat sfo in s, Fut-H Od.

Mandari



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Investment Equipment, LLC**

17509 County Rd. 14  
Ft. Morgan, CO 80701

ATTN: Marc Downing

**Eilers #8**

**27-10s-18w Rooks,KS**

Start Date: 2012.02.13 @ 16:56:15

End Date: 2012.02.14 @ 00:33:45

Job Ticket #: 46909                      DST #: 1

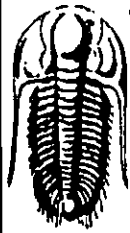
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.29 @ 10:07:45

Investment Equipment, LLC    27-10s-18w Rooks,KS    Eilers #8    DST # 1    LKC H-J    2012.02.13



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14  
Ft. Morgan, CO 80701

Eilers #8

Job Ticket: 46909

DST#: 1

ATTN: Marc Dow ning

Test Start: 2012.02.13 @ 16:56:15

## GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:09:45

Time Test Ended: 00:33:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: **3437.00 ft (KB) To 3498.00 ft (KB) (TVD)**

Reference Elevations: 2084.00 ft (KB)

Total Depth: 3498.00 ft (KB) (TVD)

2074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8354

Inside

Press@RunDepth: 104.75 psig @ 3475.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.13

End Date:

2012.02.14

Last Calib.: 2012.02.14

Start Time: 17:06:15

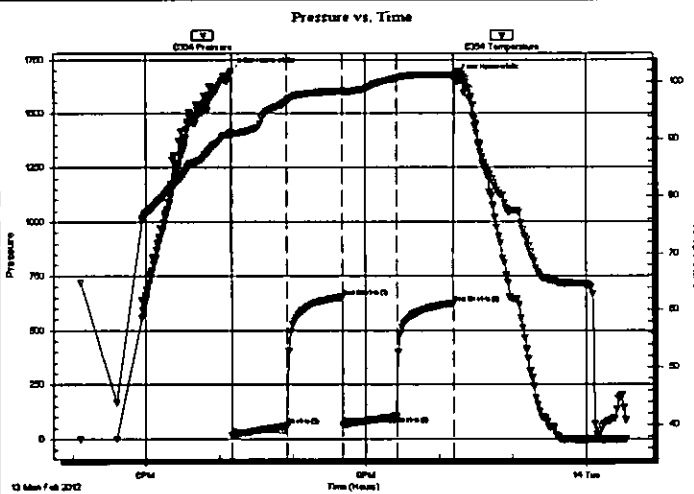
End Time:

00:33:45

Time On Btm: 2012.02.13 @ 19:09:15

Time Off Btm: 2012.02.13 @ 22:13:45

TEST COMMENT: IF-Very weak building blow . Built to 5 & 3/4 inches.  
IS-No Return.  
FF-Very weak building blow . Built to 5 inches.  
FS-No Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.36	91.16	Initial Hydro-static
1	16.45	90.70	Open To Flow (1)
46	63.07	96.64	Shut-In(1)
91	651.40	98.30	End Shut-In(1)
92	65.41	98.18	Open To Flow (2)
136	104.75	100.54	Shut-In(2)
183	622.28	101.16	End Shut-In(2)
185	1665.58	101.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
67.00	5%Oil/95%Mud	0.94
124.00	5%Oil/45%Water/50%Mud	1.74

## Gas Rates

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



# TRILOBITE TESTING, INC

## DRILL STEM TEST REPORT

Investment Equipment, LLC  
17509 County Rd. 14  
Ft. Morgan, CO 80701  
ATTN: Marc Dow ning

27-10s-18w Rooks,KS  
Eilers #8  
Job Ticket: 46909 **DST#: 1**  
Test Start: 2012.02.13 @ 16:56:15

### GENERAL INFORMATION:

Formation: **LKC H-J**

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

Time Tool Opened: 19:09:45

Time Test Ended: 00:33:45

Interval: **3437.00 ft (KB) To 3498.00 ft (KB) (TVD)**

Total Depth: **3498.00 ft (KB) (TVD)**

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

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Dustin Rash**

Unit No: **38**

Reference Elevations: **2084.00 ft (KB)**

**2074.00 ft (CF)**

KB to GR/CF: **10.00 ft**

**Serial #: 8520**

**Outside**

Press@RunDepth: psig @ **3475.00 ft (KB)**

Start Date: **2012.02.13**

End Date:

**2012.02.14**

Capacity: **8000.00 psig**

Last Calib.:

**2012.02.14**

Start Time: **17:07:15**

End Time:

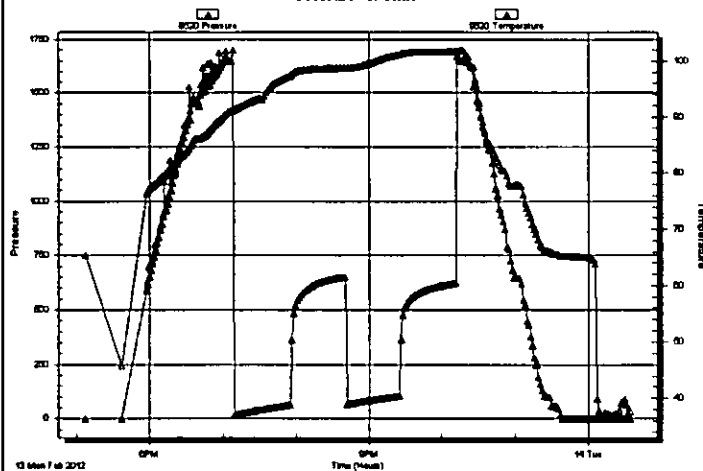
**00:33:45**

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF-Very weak building blow . Built to 5 & 3/4 inches.  
IS-No Return.  
FF-Very weak building blow . Built to 5 inches.  
FSI-No Return.

Pressure vs. Time



### PRESSURE SUMMARY

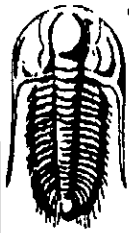
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
67.00	5% Oil/95% Mud	0.94
124.00	5% Oil/45% Water/50% Mud	1.74

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Investment Equipment, LLC

**27-10s-18w Rooks,KS**

17509 County Rd. 14  
Ft. Morgan, CO 80701

**Eilers #8**

Job Ticket: 46909

**DST#: 1**

ATTN: Marc Downing

Test Start: 2012.02.13 @ 16:56:15

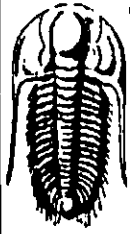
### Tool Information

Drill Pipe:	Length: 3433.00 ft	Diameter: 3.80 inches	Volume: 48.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 5000.00 lb
			<u>Total Volume: 48.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3437.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	81.00 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			3418.00	
Shut In Tool	5.00			3423.00	
Hydraulic tool	5.00			3428.00	
Packer	5.00			3433.00	20.00 Bottom Of Top Packer
Packer	4.00			3437.00	
Stubb	1.00			3438.00	
Perforations	4.00			3442.00	
Change Over Sub	1.00			3443.00	
Drill Pipe	31.00			3474.00	
Change Over Sub	1.00			3475.00	
Recorder	0.00	8354	Inside	3475.00	
Recorder	0.00	8520	Outside	3475.00	
Perforations	20.00			3495.00	
Bullnose	3.00			3498.00	61.00 Bottom Packers & Anchor

**Total Tool Length: 81.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14  
Ft. Morgan, CO 80701

**Eilers #8**

Job Ticket: 46909

**DST#: 1**

ATTN: Marc Downing

Test Start: 2012.02.13 @ 16:56:15

### 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:	32000 ppm
Viscosity:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.58 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.57 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
67.00	5%Oil/95%Mud	0.940
124.00	5%Oil/45%Water/50%Mud	1.739

Total Length: 191.00 ft      Total Volume: 2.679 bbl

Num Fluid Samples: 0

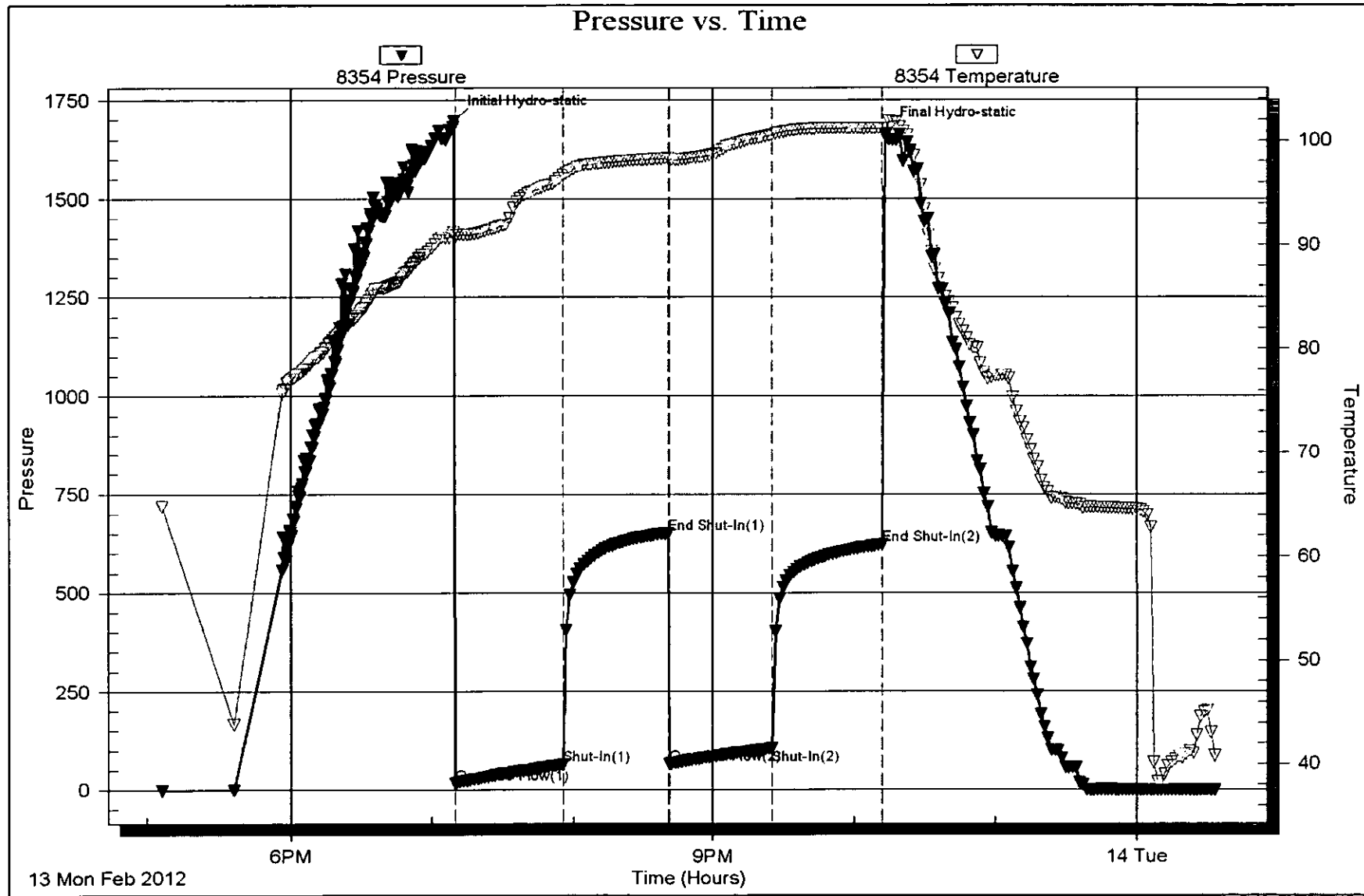
Num Gas Bombs: 0

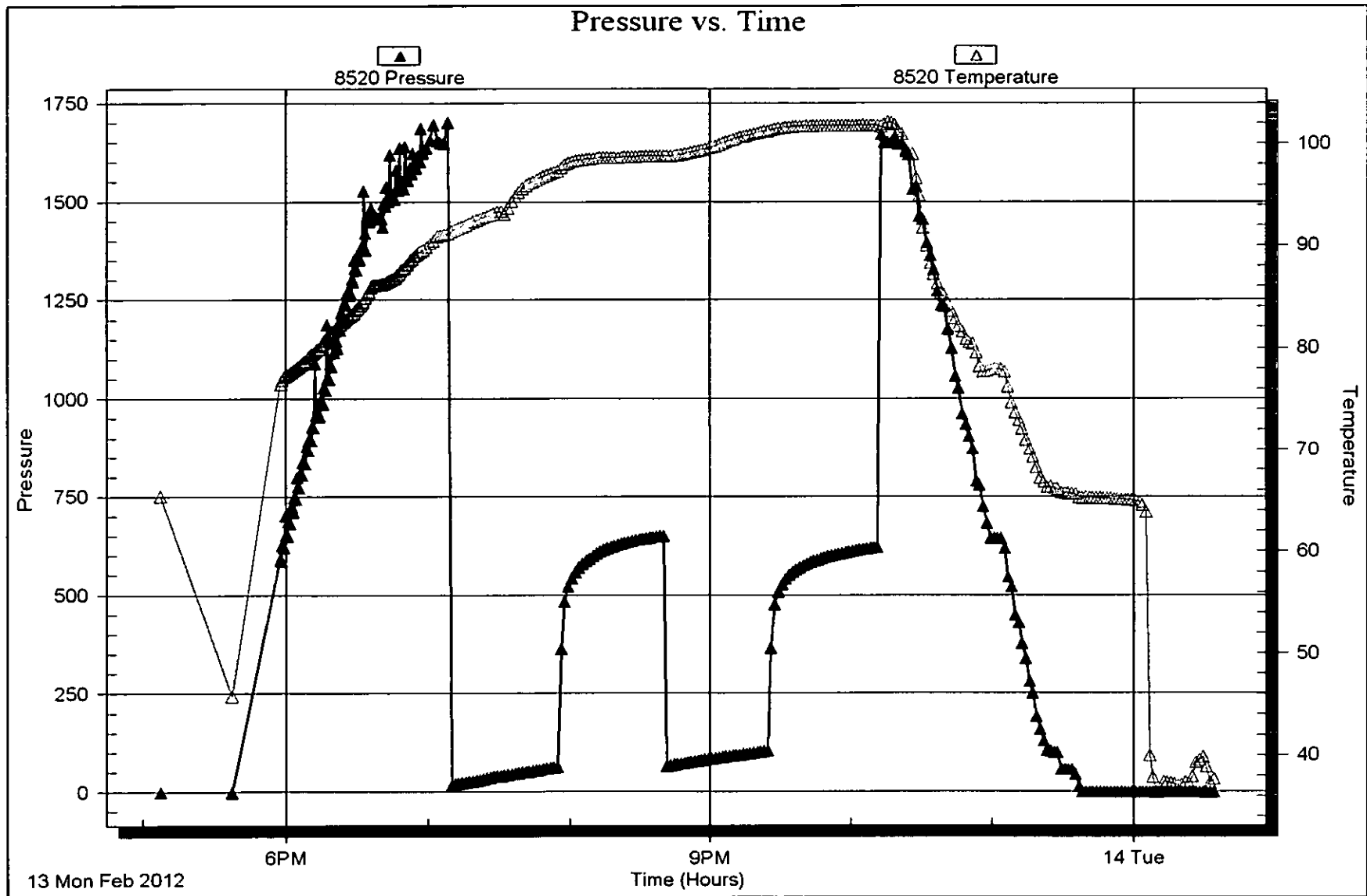
Serial #:

Laboratory Name:

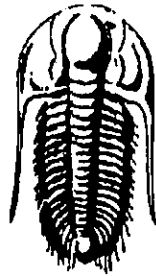
Laboratory Location:

Recovery Comments:









**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Investment Equipment, LLC**

17509 County Rd. 14  
Ft. Morgan, CO 80701

ATTN: Marc Downing

**Eilers #8**

**27-10s-18w Rooks,KS**

Start Date: 2012.02.14 @ 14:01:30

End Date: 2012.02.14 @ 18:14:30

Job Ticket #: 46910                      DST #: 2

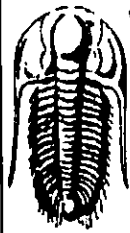
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.29 @ 10:07:08

Investment Equipment, LLC    27-10s-18w Rooks,KS    Eilers #8    DST # 2    Arbuckle    2012.02.14



**TRIBOLITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14  
Ft. Morgan, CO 80701

Eilers #8

Job Ticket: 46910

DST#: 2

ATTN: Marc Downing

Test Start: 2012.02.14 @ 14:01:30

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:34:20

Time Test Ended: 18:14:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3600.00 ft (KB) To 3660.00 ft (KB) (TVD)

Total Depth: 3660.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2084.00 ft (KB)

2074.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8354

Inside

Press@RunDepth: 18.63 psig @ 3639.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.14

End Date:

2012.02.14

Last Calib.: 2012.02.14

Start Time: 14:11:30

End Time:

18:14:30

Time On Btm: 2012.02.14 @ 15:34:10

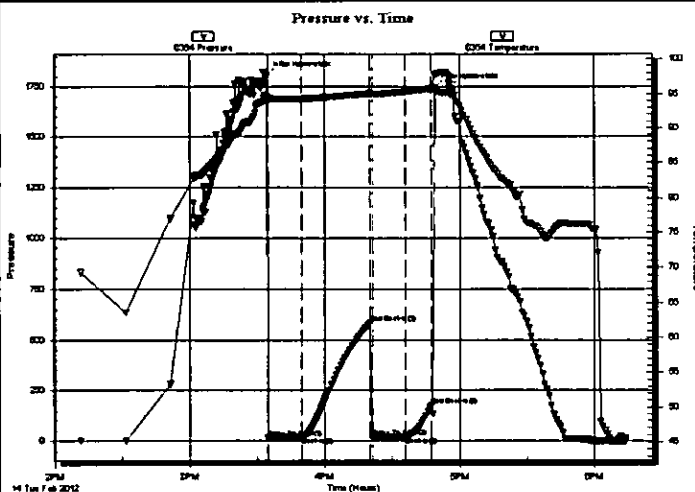
Time Off Btm: 2012.02.14 @ 16:49:00

TEST COMMENT: IF-Weak 1/4 inch blow. Died @ 15 minutes.

IS-No Return.

FF-Few Bubbles.

FSI-Pulled Tool



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1809.23	94.69	Initial Hydro-static
1	16.39	94.10	Open To Flow (1)
16	19.33	94.26	Shut-in(1)
46	583.11	95.00	End Shut-in(1)
47	18.36	94.90	Open To Flow (2)
62	18.63	95.28	Shut-in(2)
74	175.08	95.71	End Shut-in(2)
75	1749.03	97.67	Final Hydro-static

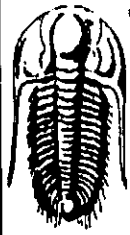
### Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%Mud	0.07

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Investment Equipment, LLC

**27-10s-18w Rooks,KS**

17509 County Rd. 14  
Ft. Morgan, CO 80701

**Eilers #8**

Job Ticket: 46910

**DST#: 2**

ATTN: Marc Dow ning

Test Start: 2012.02.14 @ 14:01:30

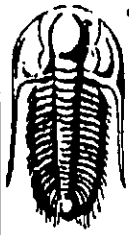
### Tool Information

Drill Pipe:	Length: 3588.00 ft	Diameter: 3.80 inches	Volume: 50.33 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 5000.00 lb
			<u>Total Volume: 50.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3600.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 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			3581.00	
Shut In Tool	5.00			3586.00	
Hydraulic tool	5.00			3591.00	
Packer	5.00			3596.00	20.00 Bottom Of Top Packer
Packer	4.00			3600.00	
Stubb	1.00			3601.00	
Perforations	5.00			3606.00	
Change Over Sub	1.00			3607.00	
Drill Pipe	31.00			3638.00	
Change Over Sub	1.00			3639.00	
Recorder	0.00	8354	Inside	3639.00	
Recorder	0.00	8520	Outside	3639.00	
Perforations	18.00			3657.00	
Bullnose	3.00			3660.00	60.00 Bottom Packers & Anchor

**Total Tool Length: 80.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Investment Equipment, LLC

**27-10s-18w Rooks,KS**

17509 County Rd. 14  
Ft. Morgan, CO 80701

**Eilers #8**

Job Ticket: 46910

**DST#: 2**

ATTN: Marc Downing

Test Start: 2012.02.14 @ 14:01:30

### 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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
5.00	100%Mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

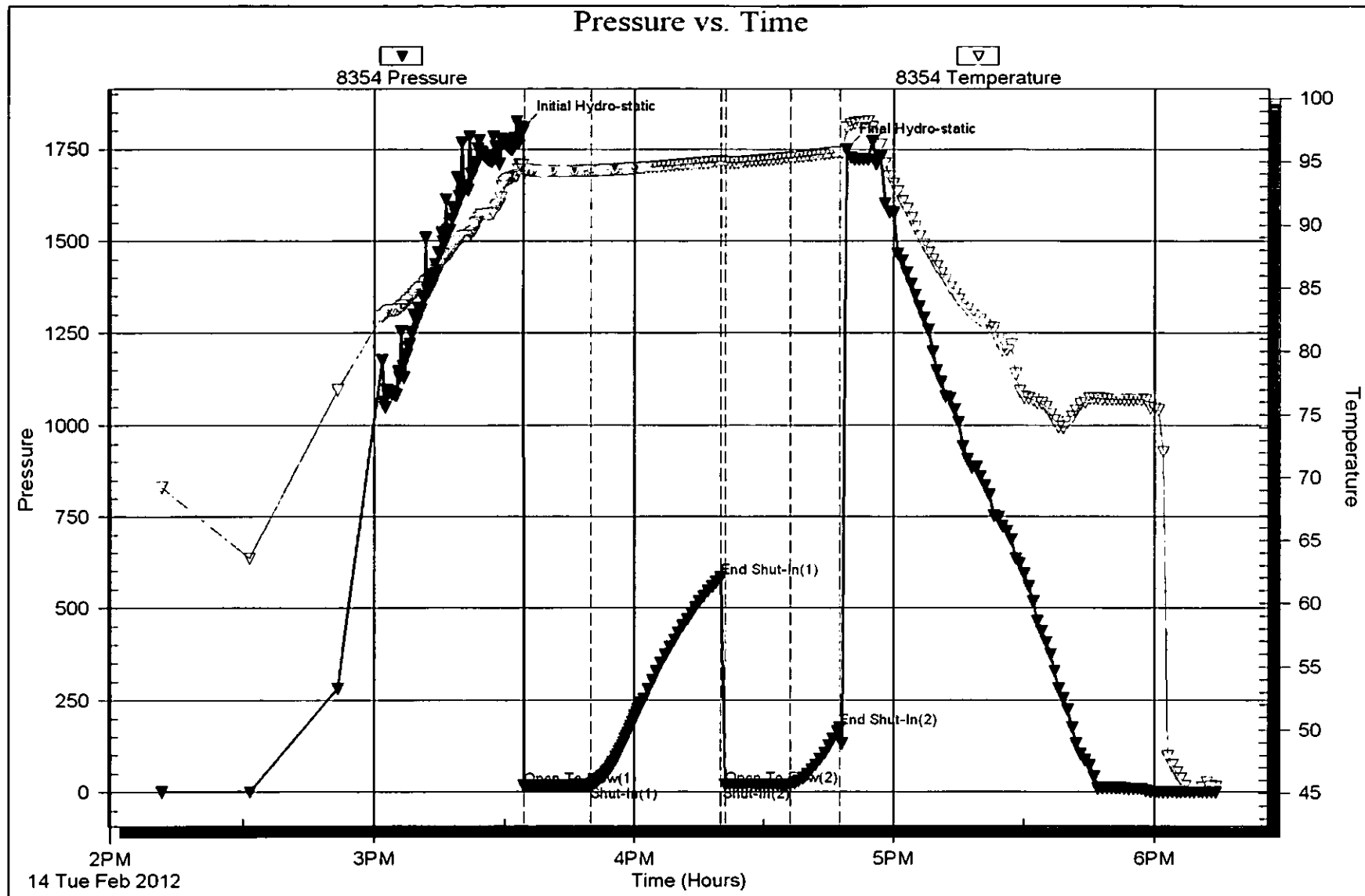
Num Gas Bombs: 0

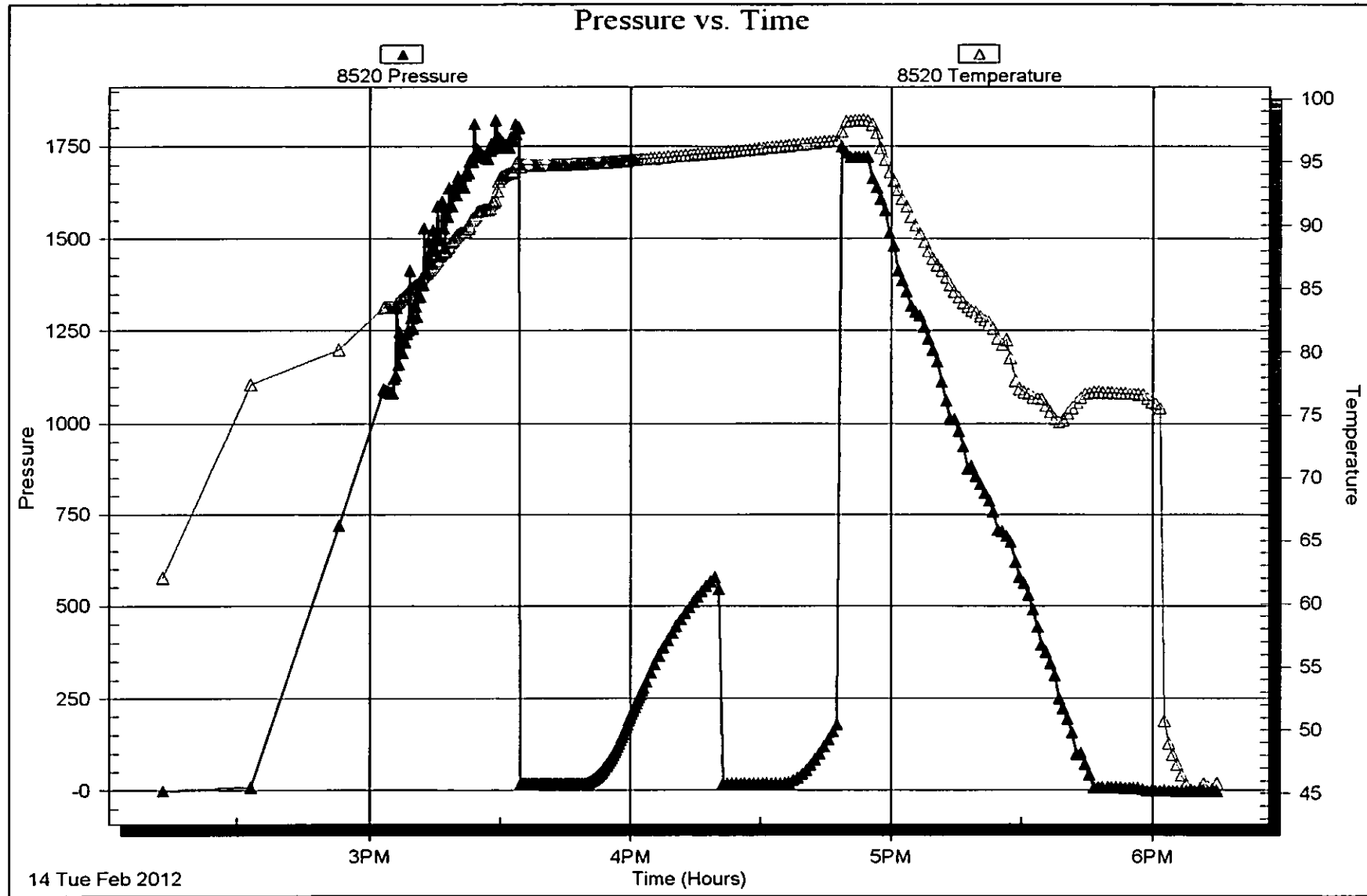
Serial #:

Laboratory Name:

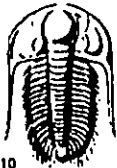
Laboratory Location:

Recovery Comments:





14 Tue Feb 2012



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
FEB 24 2012  
BY: \_\_\_\_\_

## Test Ticket

NO. 46909

Well Name & No. EJews # 8 Test No. 1 Date 2-13-12  
 Company Investment Equipment, LLC Elevation 2084 KB 2074 GL  
 Address 17509 County Rd. 14 Ft. Morgan, CO 80701  
 Co. Rep / Geo. Marc Downing Rig Maverick 108  
 Location: Sec. 27 Twp. 10S Rge. 18W Co. Rooks State KS

Interval Tested 3437-3498 Zone Tested LKC "H-J"  
 Anchor Length 61' Drill Pipe Run 3433 Mud Wt. 8.8  
 Top Packer Depth 3432 Drill Collars Run 0 Vis 47  
 Bottom Packer Depth 3437 Wt. Pipe Run 0 WL 7.6  
 Total Depth 3498 Chlorides 1000 ppm System LCM 2#

Blow Description IF - Very weak building blow, burst to 5 3/4 inches,  
JSI - No Return,  
FF - Very weak building blow, burst to 5 inches,  
FSE - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>67</u>	<u>VSOCM</u>	<u>5</u>	<u>5</u>	<u>95</u>	<u>5</u>
<u>124</u>	<u>VSOCWM</u>	<u>5</u>	<u>45</u>	<u>50</u>	<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 191 BHT 101 Gravity 1.566 @ 22° F Chlorides 32000 ppm

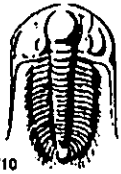
(A) Initial Hydrostatic 1696  Test 1125' T-On Location 1530  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 1730  
 (C) First Final Flow 63  Safety Joint \_\_\_\_\_ T-Open 1909  
 (D) Initial Shut-In 651  Circ Sub \_\_\_\_\_ T-Pulled 2210  
 (E) Second Initial Flow 65  Hourly Standby \_\_\_\_\_ T-Out 0030  
 (F) Second Final Flow 105  Mileage 25X2 70' Comments Barr. 1656  
 (G) Final Shut-In 622  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1666  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 45  
 Initial Shut-In 45  
 Final Flow 4.5  
 Final Shut-In 4.5  
 Sub Total 0  
 Total 1195  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1195

Approved By \_\_\_\_\_ Our Representative D. Rash

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
FEB 24 2012  
BY: \_\_\_\_\_

## Test Ticket

NO. 46910

Well Name & No. Eilers #8 Test No. 2 Date 2-14-12  
 Company Investment Equipment, LLC Elevation 2084 KB 2074 GL  
 Address 17509 County Rd. 14 Ft. Morgan, CO 80701  
 Co. Rep / Geo. Marc Downing Rig Maverick 108  
 Location: Sec. 27 Twp. 10S Rge. 18W Co. Books State KS

Interval Tested 3600-3660 Zone Tested Arbuckle  
 Anchor Length 60' Drill Pipe Run 3588 Mud Wt. 9.2  
 Top Packer Depth 3595 Drill Collars Run 0 Vis 49  
 Bottom Packer Depth 3600 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3660 Chlorides 3000 ppm System LCM 1.5#

Blow Description FF- Weak 1/4 inch blow, Dried @ 15 minutes.  
IST- No Return.  
FF- Few bubbles  
FST- Pulled Tool.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 98 Gravity ✓ API RW 1125 @ 70 °F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 1809  Test 1125 T-On Location 1345  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 1415  
 (C) First Final Flow 19  Safety Joint \_\_\_\_\_ T-Open 1534  
 (D) Initial Shut-In 583  Circ Sub \_\_\_\_\_ T-Pulled 1650  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 1815  
 (F) Second Final Flow 19  Mileage 25X2 70 Comments Bart = 1401  
 (G) Final Shut-In 175  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1749  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 15  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 15  Extra Recorder \_\_\_\_\_ Sub Total 8  
 Final Shut-In Pulled  Day Standby \_\_\_\_\_ Total 1195  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1195

Approved By \_\_\_\_\_ Our Representative [Signature]

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