

### Kansas Corporation Commission Oil & Gas Conservation Division

### 1095465

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet  If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
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 #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:  Operator Name: License #:  Quarter Sec Twp S. R East West
ENHR Permit #:	County: Permit #:
Spud Date or Recompletion Date  Date Reached TD Completion Date or Recompletion Date  Recompletion Date	

### **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: Date:		

Side Two



Operator Name: \_ Lease Name: \_ \_ Well #: \_ County: \_ 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 Wireline Logs surveyed. Attach final geological well site report. **Drill Stem Tests Taken** Yes No Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum Samples Sent to Geological Survey ☐ Yes □ No Cores Taken Yes No Electric Log Run Electric Log Submitted Electronically Yes No (If no, Submit Copy) List All E. Logs Run: CASING RECORD Used New Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight # Sacks Type and Percent Type of Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Additives Depth Cement Used ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth TUBING RECORD: Size: Set At: Packer At: Liner Run: No Yes Producing Method: Date of First, Resumed Production, SWD or ENHR. Pumping Gas Lift Other (Explain) Flowing **Estimated Production** Bbls. Water Bbls. Gas-Oil Ratio Oil Gas Mcf Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Dually Comp. Perf. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Form	ACO1 - Well Completion	
Operator	Flatirons Resources LLC	
Well Name	Schmitt 41-27	
Doc ID	1095465	

## Tops

Name	Тор	Datum
Anhydrite - top	2160	584
Anhydrite - base	2197	547
Topeka	3712	-968
Toronto	3969	-1225
Lansing	3987	-1243
Base/KC	4314	-1570
Pawnee	4458	-1714
Johnson zone	4560	-1816
Mississippian	4610	-1866
TD	4651	-1907



Flatirons Resources LLC.

27-16s-28w Lane, KS

303 E 17th AVE STE 940 Denver CO. 80203

Schmitt 41-27

Tester:

Unit No:

Job Ticket: 45975

DST#: 1

2744.00 ft (KB)

2737.00 ft (CF)

ATTN: Clayton Erickson

Test Start: 2012.06.05 @ 11:40:00

Jace McKinney

### **GENERAL INFORMATION:**

Kansas City "K" Formation:

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 16:25:15 Time Test Ended: 21:12:30

Interval:

4244.00 ft (KB) To 4272.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 4244.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8675 Inside

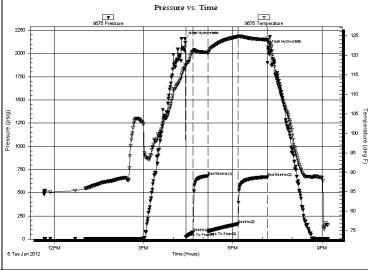
Press@RunDepth: 4245.00 ft (KB) 162.74 psig @ Capacity: 8000.00 psig

Start Date: 2012.06.05 End Date: 2012.06.05 Last Calib.: 2012.06.05 Start Time: 11:40:01 End Time: 2012.06.05 @ 16:23:30 21:12:30 Time On Btm: Time Off Btm: 2012.06.05 @ 19:11:00

TEST COMMENT: Built to 5" blow

No return blow B.O.B. in 43 min.

Bled off for 5 min. No return blow



PRESSURE SUMMARY				RE SUMMARY
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2156.42	116.77	Initial Hydro-static
	2	22.99	117.29	Open To Flow (1)
	17	74.69	120.99	Shut-In(1)
Ţ,	47	681.13	120.72	End Shut-In(1)
anna	47	81.31	120.50	Open To Flow (2)
mnerature	107	162.74	124.78	Shut-In(2)
neb)	167	669.21	123.97	End Shut-In(2)
פ	168	2066.18	123.84	Final Hydro-static

DDECCLIDE CLIMMADY

### Recovery

Length (ft)	Description	Volume (bbl)
260.00	100%Water with oil scumin top stand o	f 2.30

Gas Rates			
	Choke (inches)	Pressure (nsig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 45975 Printed: 2012.06.06 @ 08:09:41



**FLUID SUMMARY** 

DST#: 1

Flatirons Resources LLC. 27-16s-28w Lane, KS

303 E 17th AVE STE 940

Denver CO. 80203

Job Ticket: 45975

Schmitt 41-27

Serial #:

ATTN: Clayton Erickson Test Start: 2012.06.05 @ 11:40:00

**Mud and Cushion Information** 

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:51.00 sec/qtCushion Volume:bbl

Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4200.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

Length ft	Description	Volume bbl
260.00	100%Water with oil scumin top stand of	2.302

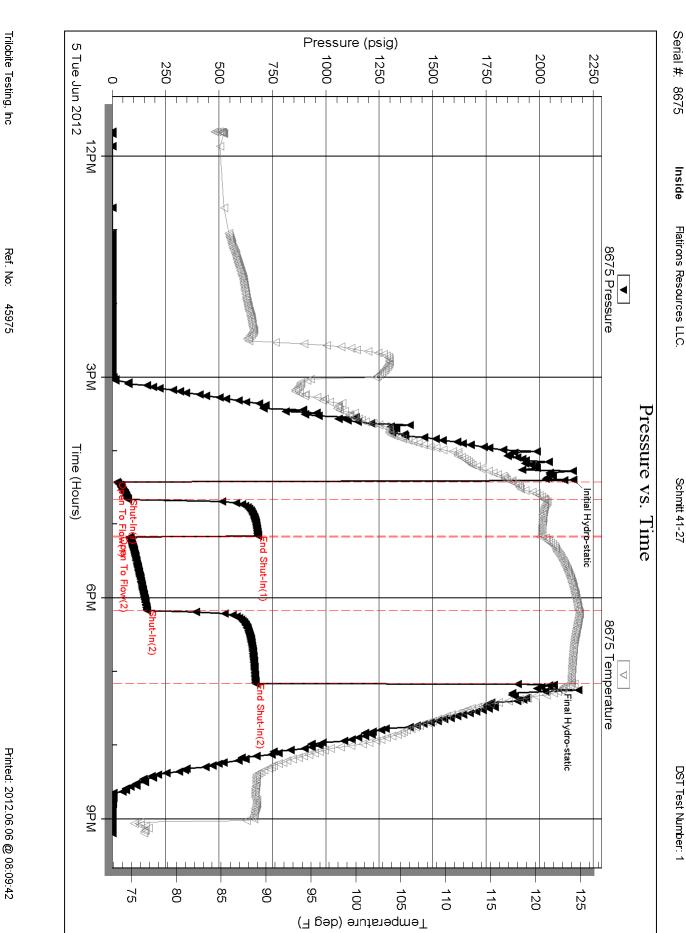
Total Length: 260.00 ft Total Volume: 2.302 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 45975 Printed: 2012.06.06 @ 08:09:41





Flatirons Resources LLC.

27-16s-28w Lane, KS

303 E 17th AVE STE 940 Denver CO. 80203 Schmitt 41-27

Tester:

Unit No:

Job Ticket: 48301

DST#: 2

2737.00 ft (CF)

ATTN: Clayton Erickson

Test Start: 2012.06.06 @ 05:45:00

Jace McKinney

### **GENERAL INFORMATION:**

Formation: Kansas City "L"

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 08:43:45
Time Test Ended: 13:30:15

Interval: 4280.00 ft (KB) To 4310.00 ft (KB) (TVD) Reference Elevations: 2744.00 ft (KB)

Total Depth: 4310.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

DIE Diameter: 7.88 Inches Hole Condition: Fair KB to GR/CF: 7.00

Serial #: 8675 Inside

TEST COMMENT: Built to 1" blow

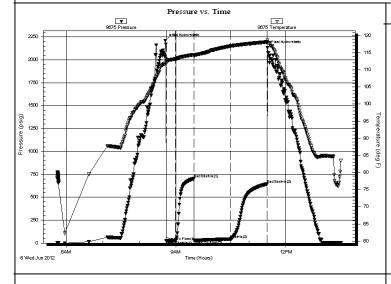
Press@RunDepth: 42.84 psig @ 4281.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2012.06.06
 End Date:
 2012.06.06
 Last Calib.:
 2012.06.06

 Start Time:
 05:45:01
 End Time:
 13:30:15
 Time On Btm:
 2012.06.06 @ 08:42:15

 Time Off Btm:
 2012.06.06 @ 11:30:15

No return blow Built to 1 3/4" blow No return blow



PRESSURE SUMMARY			
Pressure	Temp	Annotation	

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2209.04	112.13	Initial Hydro-static
2	20.75	111.75	Open To Flow (1)
17	25.82	113.20	Shut-In(1)
47	703.95	114.44	End Shut-In(1)
48	28.70	114.04	Open To Flow (2)
108	42.84	116.97	Shut-In(2)
167	644.94	118.16	End Shut-In(2)
168	2129.72	118.68	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)		
40.00	100% Mud ith oil scum	0.20		
0.00	0 80 Feet Gas In Pipe			
* Recovery from multiple tests				

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 48301 Printed: 2012.06.06 @ 14:00:06



Flatirons Resources LLC.

27-16s-28w Lane, KS

303 E 17th AVE STE 940

Schmitt 41-27

Denver CO. 80203

Job Ticket: 48301 DST#: 2

ATTN: Clayton Erickson

Test Start: 2012.06.06 @ 05:45:00

### **GENERAL INFORMATION:**

Kansas City "L" Formation:

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) ft (KB)

Time Tool Opened: 08:43:45 Time Test Ended: 13:30:15 Tester: Jace McKinney

Unit No:

Interval: 4280.00 ft (KB) To 4310.00 ft (KB) (TVD) Total Depth: 4310.00 ft (KB) (TVD)

Reference Elevations: 2744.00 ft (KB)

KB to GR/CF:

2737.00 ft (CF) 7.00 ft

7.88 inches Hole Condition: Fair Hole Diameter:

Serial #: 8650 Outside

Press@RunDepth: 4281.00 ft (KB) psig @

8000.00 psig Capacity: Last Calib.: 2012.06.06

Start Date: 2012.06.06 End Date: Start Time: 05:45:01 End Time:

Time On Btm:

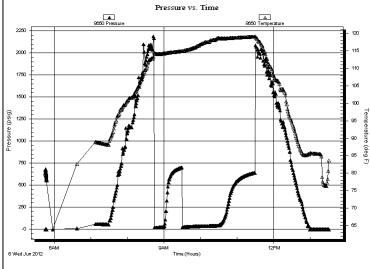
2012.06.06

13:30:15

Time Off Btm:

TEST COMMENT: Built to 1" blow

No return blow Built to 1 3/4" blow No return blow



Ы	RESSI	JRE	SUMMAR	Y

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

### Recovery

Length (ft)	Description	Volume (bbl)							
40.00	100% Mud ith oil scum	0.20							
0.00	80 Feet Gas In Pipe	0.00							
* Recovery from multiple tests									

### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 48301 Printed: 2012.06.06 @ 14:00:06



**FLUID SUMMARY** 

ppm

Flatirons Resources LLC.

27-16s-28w Lane, KS

303 E 17th AVE STE 940 Denver CO. 80203 Schmitt 41-27

Job Ticket: 48301

DST#: 2

ATTN: Clayton Erickson

Test Start: 2012.06.06 @ 05:45:00

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight:9.00 lb/galCushion Length:ftViscosity:65.00 sec/qtCushion Volume:bbl

6.80 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1900.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

Water Loss:

### Recovery Table

Length ft	Description	Volume bbl		
40.00	100% Mud ith oil scum	0.197		
0.00	80 Feet Gas In Pipe	0.000		

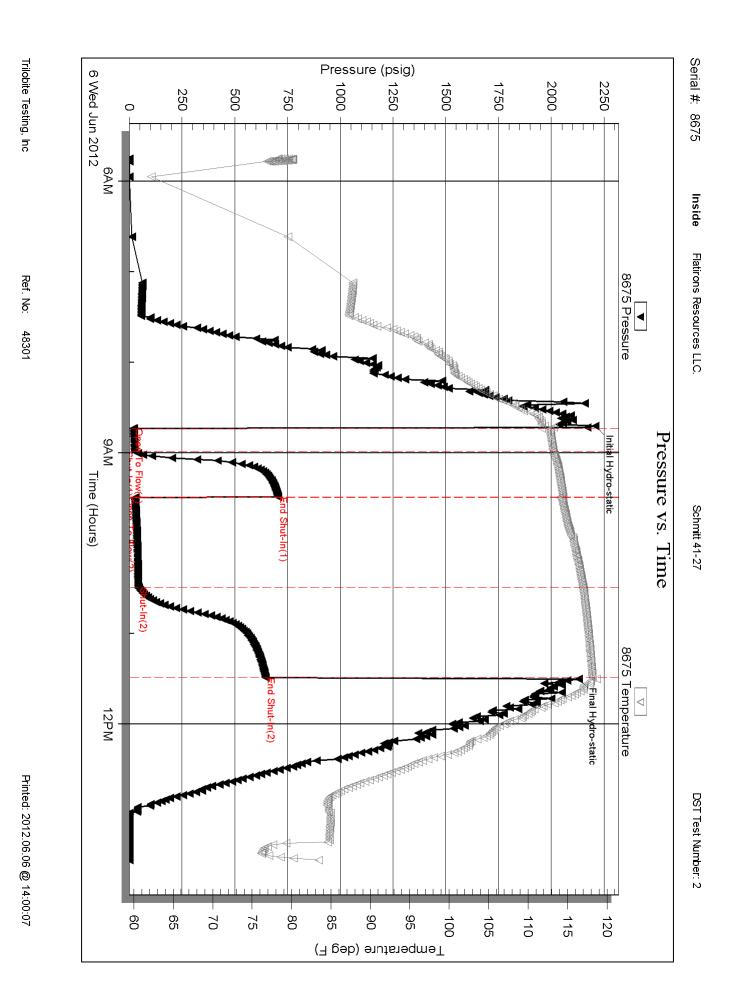
Total Length: 40.00 ft Total Volume: 0.197 bbl

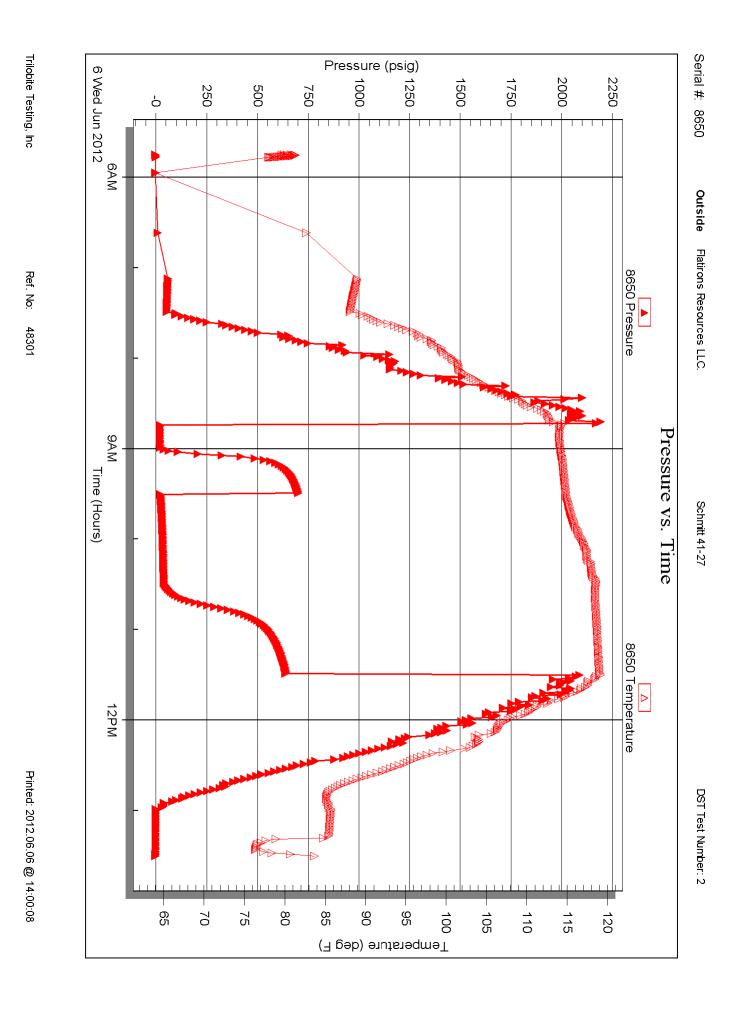
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 48301 Printed: 2012.06.06 @ 14:00:07







Flatirons Resources LLC.

27-16s-28w Lane, KS

303 E 17th AVE STE 940 Denver CO. 80203

Schmitt 41-27

Job Ticket: 48302

DST#: 3

ATTN: Clayton Erickson

Test Start: 2012.06.07 @ 01:40:00

### GENERAL INFORMATION:

Formation: Marmaton

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) No ft (KB)

Time Tool Opened: 04:37:00 Time Test Ended: 09:15:15

Unit No:

Jace McKinney

2744.00 ft (KB)

4322.00 ft (KB) To 4370.00 ft (KB) (TVD)

Reference Elevations: 2737.00 ft (CF)

4370.00 ft (KB) (TVD)

KB to GR/CF: 7.00 ft

7.88 inches Hole Condition: Fair Hole Diameter:

Serial #: 8675 Press@RunDepth:

Interval:

Total Depth:

Inside

20.49 psig @

4323.00 ft (KB) End Date:

2012.06.07

Capacity:

Tester:

8000.00 psig

2012.06.07

Start Date: 2012.06.07 Start Time:

01:40:01 End Time: 09:15:15

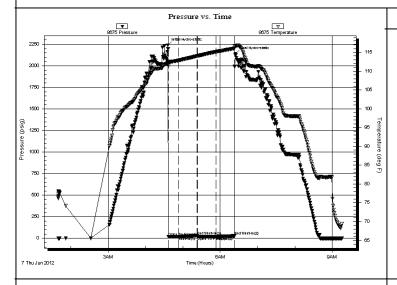
Last Calib.: Time On Btm:

2012.06.07 @ 04:35:45

Time Off Btm: 2012.06.07 @ 06:24:30

TEST COMMENT: Built to 1/4" blow

No return blow No blow No return blow



### PRESSURE SUMMARY Pressure Temp Annotation Time

(Min.)	(psig)	(deg F)	
0	2239.50	112.39	Initial Hydro-static
2	19.65	111.56	Open To Flow (1)
18	21.29	112.84	Shut-In(1)
48	33.17	114.00	End Shut-In(1)
48	20.52	114.00	Open To Flow (2)
78	20.49	115.12	Shut-In(2)
107	28.93	116.03	End Shut-In(2)
109	2141.01	116.61	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)							
5.00	100%Mud	0.02							
* Recovery from multiple tests									

### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 48302 Printed: 2012.06.07 @ 10:16:58



**FLUID SUMMARY** 

Flatirons Resources LLC.

27-16s-28w Lane, KS

303 E 17th AVE STE 940 Denver CO. 80203 Schmitt 41-27

Job Ticket: 48302

Serial #:

DST#:3

ATTN: Clayton Erickson

Test Start: 2012.06.07 @ 01:40:00

### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:10.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 10.00 lb/gal Cushion Length: ft
Viscosity: 67.00 sec/qt Cushion Volume: bbl

8.39 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2200.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

Water Loss:

### Recovery Table

Length ft	Description	Volume bbl		
5.00	100%Mud	0.025		

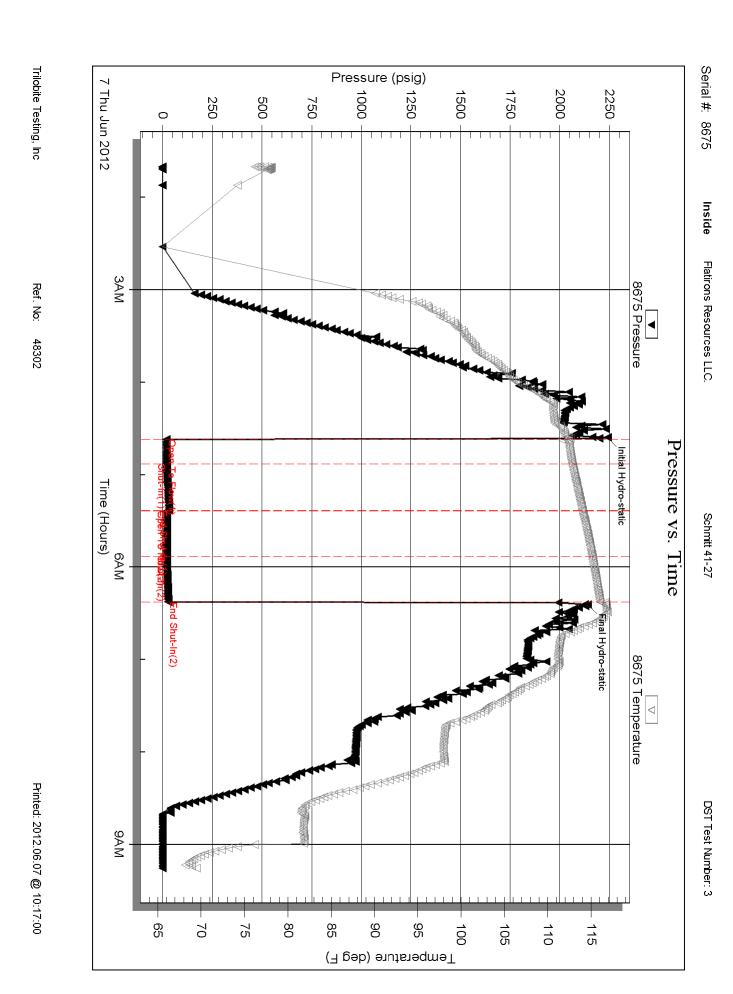
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 48302 Printed: 2012.06.07 @ 10:16:59



## CEMENTING LOG

STAGE NO.

Spacer Type: Fresh was here. Sks Yield tt3/sk Density 1:34 PPG	LEAD: Pump Timehrs. Type	Amt. Sks Yield tr3/sk Density PPG TAIL: Pump Time hrs. Type Excess	Amt. Sks Yield ft.3/sk Density PpG WATER: Lead gals/sk Tail gals/sk Total Bbls.	Pump Trucks Used S66 Seel 12.  Bulk Equip.		Manufacturer	Shoe: Iype Depth Float: Type Depth	Centralizers: Quantity Plugs Top BtmStage Collars	Special Equip.  Disp. Fluid Type Amt Bhls Weight PPG	9+10e Weight
Date District Ticket No. Company Rig Lease Well No.	County State State County State Stat	CASING DATA. Conductor		Casing Depths: Top	Drill Pipe: Size Weight Collars	Open Hole: Size T.D. ft. P.B. to ft. P.B. to	Bbls/Lin. ft Oldsn	Lin. ft./Bbl.	Annulus: Bbls/Lin. ft. Lin. ft./Bbl.   St. Bbls/Lin. ft. Lin. ft./Bbl.   Lin.	Perforations: From tt. to tt. Amt.

BUMP PLUG TO

BBLS.

# ALLIED JIL & GAS SERVICES, LLC 053545

Federal Tax I.D.# 20-5975804

42

SERVICE POINT:	OUT ON LOCATION JOB START JOB FINISH COUNTY STATE	FR Flothing Chose was	T TORDERED ZOO AK	1995 A 20 boo dolo del	MON (a) (b) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	GEL @		(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	@ @			HANDLING @	SERVICE	ARGE	MILEAGE @ @		TOTAL	PLUG & FLOAT EQUIPMENT
Z	DATE 29-12 SEC TWP. RANGE Z CALLED OUT LEASE WELL# 41-27 LOCATION FINE(AS E	OLD OR NEW (Circle one)  CONTRACTOR  CONTRACTOR	HOLE SIZE  CASING SIZE  TYPE OF JOB  T.D.  CEMENT  AMOLINT	NG SIZE DEPTH DEPTH	PRES. MAX MINIMUM COMMON MEAS. LINE SHOE JOINT POZMIX	CEMENT LEFT IN CSG.  PERFS.  CHLC  C	EQUIPMENT	PIIMP TRIICK CEMENTED		BULK TRUCK  # 3477 DRIVER  Afgu	BULK TRUCK		The our bottom brest circ, to	responder Shuther Coment PUMI	on G College	11th C.	CHARGE TO: 191 - 1	CITYSTATEZIP

To: Allied Oil & Gas Services, LLC.

TERMS AND CONDITIONS" listed on the reverse side. contractor. I have read and understand the "GENERAL contractor to do work as is listed. The above work was You are hereby requested to rent cementing equipment done to satisfaction and supervision of owner agent or and furnish cementer and helper(s) to assist owner or

5 MOYNE PRINTED NAME

SIGNATURE

IF PAID IN 30 DAYS TOTAL 8888 SALES TAX (If Any) TOTAL CHARGES DISCOUNT

# ALLIED JIL & GAS SERVICES, LLC 056212

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

CALLED OUT ON LOCATION JOB START JOB FINISH	OWNER Same	T ORD	168 5K5	ASC (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		HANDLING @	SERVICE	DEPTH OF JOB         2192           PUMP TRUCK CHARGE         @           EXTRA FOOTAGE         @           MANIFOLD         @           MANIFOLD         @           @         @	TOTAL
DATE  DATE  LEASE  OLD OR NEW (Circle one)	CONTRACTOR HD #3	778 PTA	EFT IN CSG.	PERFS.  DISPLACEMENT  EQUIPMENT	PUMPTRUCK CEMENTER TOWN # 398 HELPER Toh BULK TRUCK # 344 - 188 DRIVER Kouin	BULK TRUCK # DRIVER	mix 52 sks Cament 2192, mix 90 sus Cament 1410	mix 50 54's Coment 250's  Mux 20 54's Coment 60's  Mus Rat Hole 20 54's Coment  Mismal Yall	CHARGE TO: Not wan to Saugros.  STREETSTATEZIP

IF PAID IN 30 DAYS

TOTAL

SALES TAX (If Any)

contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

contractor to do work as is listed. The above work was

done to satisfaction and supervision of owner agent or

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or

To: Allied Oil & Gas Services, LLC.

TOTAL CHARGES

DISCOUNT

PRINTED NAME

SIGNATURE

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