

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1352026  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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

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

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

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: \_\_\_\_\_

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

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brehm Asset Management, LLC

**23 19s 31w Scott Ks**

11625 Custer Rd. Ste 110-363  
Frisco, Tx 75053

**Braeden #2**

Job Ticket: 63472

**DST#: 1**

ATTN: Dwight Brehm

Test Start: 2016.12.03 @ 04:59:00

## GENERAL INFORMATION:

Formation: **LKC I, J & K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:12:00

Time Test Ended: 12:29:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

**Interval: 4270.00 ft (KB) To 4338.00 ft (KB) (TVD)**

Reference Elevations: 2948.00 ft (KB)

Total Depth: 4338.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 369.03 psig @ 4271.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.12.03

End Date: 2016.12.03

Last Calib.: 2016.12.03

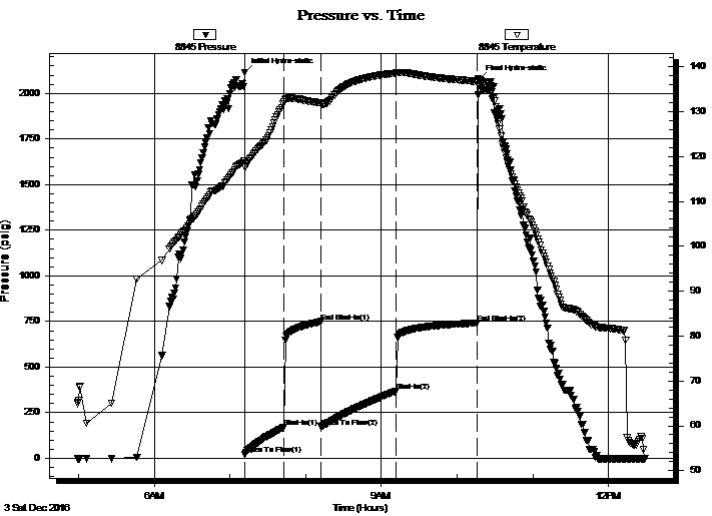
Start Time: 04:59:05

End Time: 12:29:29

Time On Btm: 2016.12.03 @ 07:11:45

Time Off Btm: 2016.12.03 @ 10:17:45

**TEST COMMENT:** IF: BOB @ 10 min.  
IS: No return.  
FF: BOB @ 13 min.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.03	118.97	Initial Hydro-static
1	20.92	117.58	Open To Flow (1)
31	171.75	132.19	Shut-In(1)
60	749.39	131.92	End Shut-In(1)
61	172.28	131.66	Open To Flow (2)
120	369.03	138.54	Shut-In(2)
185	741.42	136.69	End Shut-In(2)
186	2076.67	136.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
790.00	mcw 15m 85w (Oil spots on top)	10.80

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Brehm Asset Management, LLC

**23 19s 31w Scott Ks**

11625 Custer Rd. Ste 110-363  
Frisco, Tx 75053

**Braeden #2**

Job Ticket: 63472

**DST#: 1**

ATTN: Dwight Brehm

Test Start: 2016.12.03 @ 04:59:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

57000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in<sup>3</sup>

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
790.00	mcw 15m 85w (Oil spots on top)	10.799

Total Length: 790.00 ft      Total Volume: 10.799 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

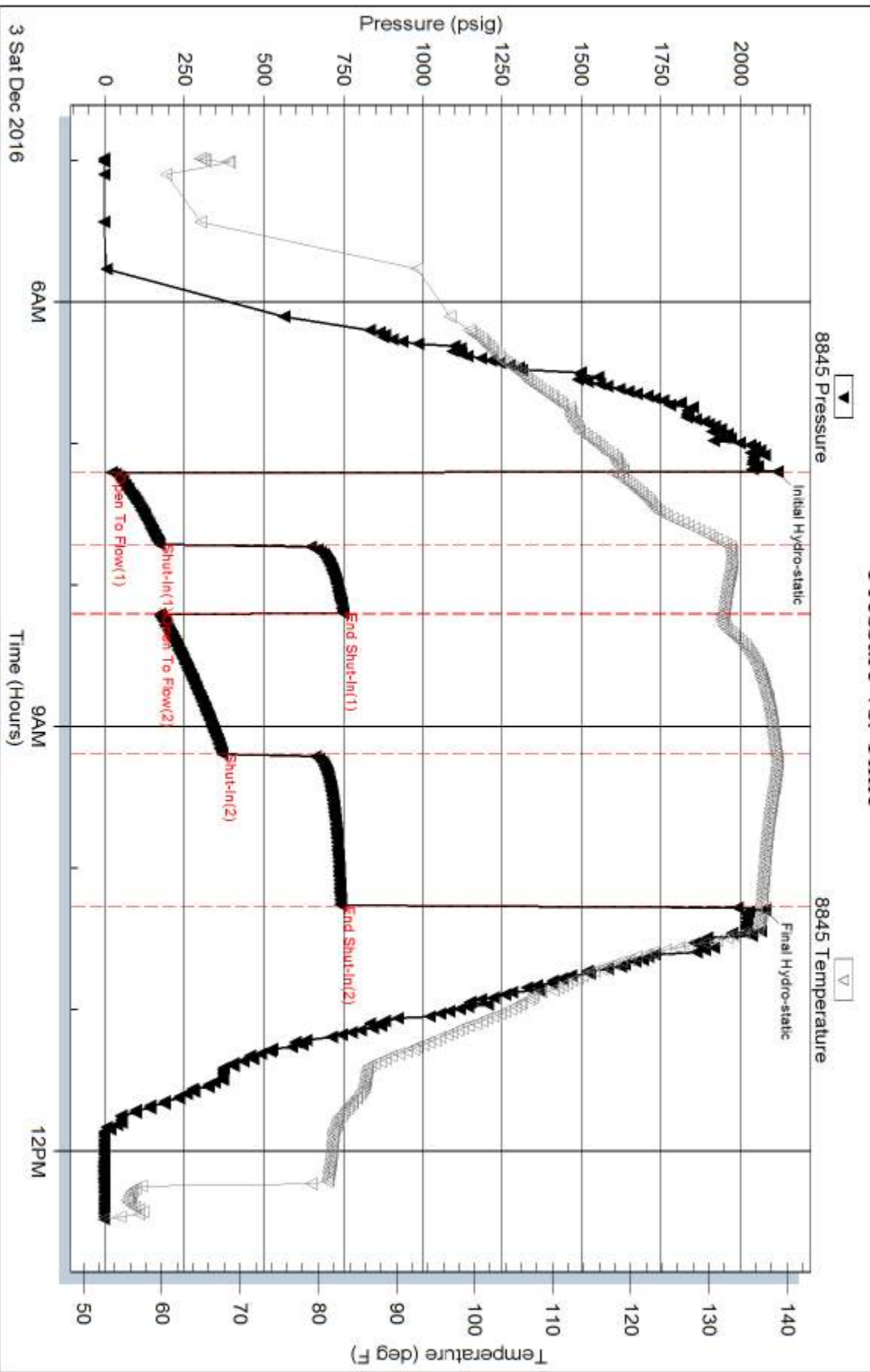
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .191 @ 50f = 57000ppm

### Pressure vs. Time



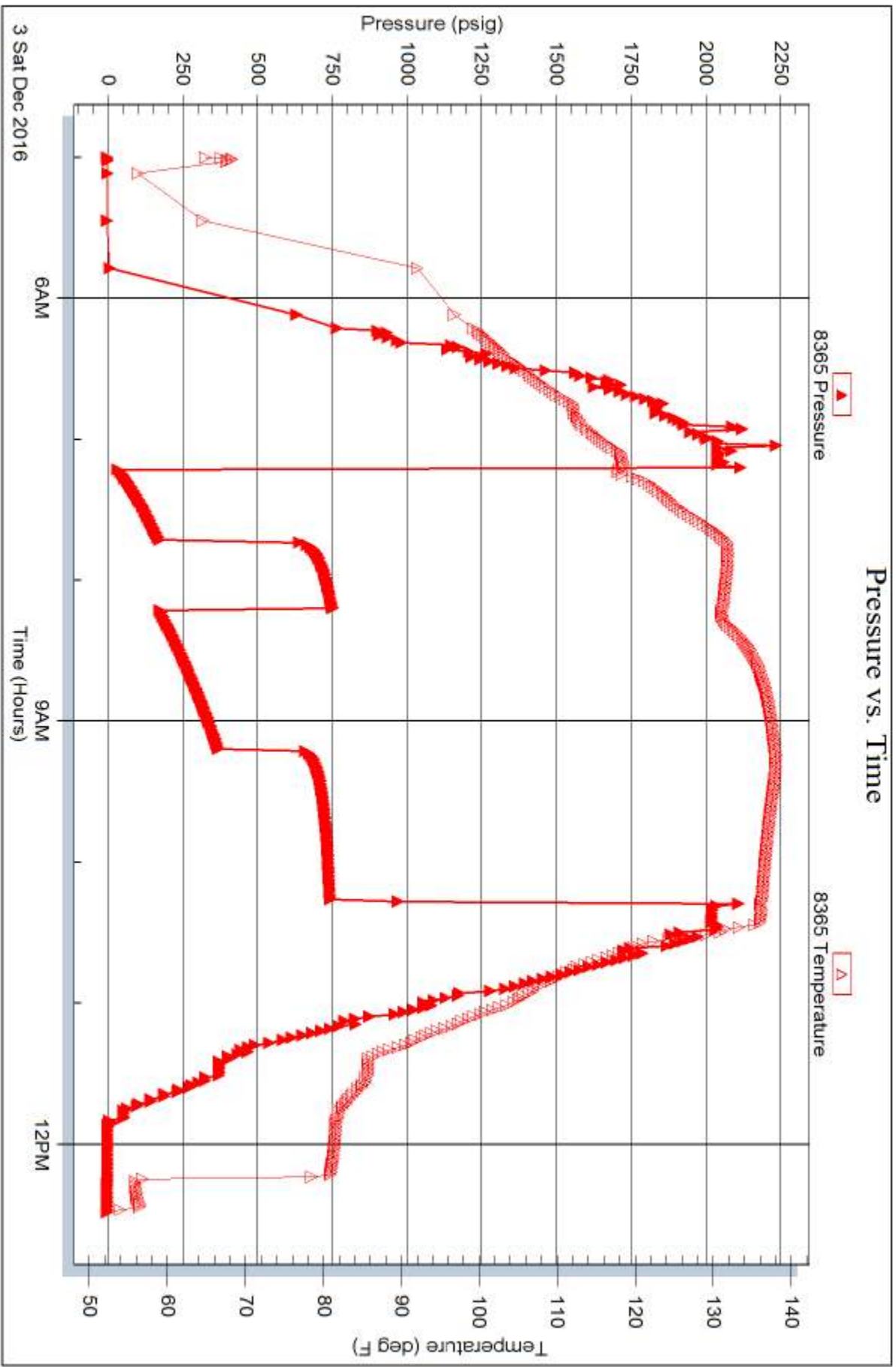
Serial #: 8365

Inside

Brehm Asset Management, LLC

Braeden #2

DST Test Number: 1







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brehm Asset Management, LLC

**23 19s 31w Scott Ks**

11625 Custer Rd. Ste 110-363  
Frisco, Tx 75053

**Braeden #2**

Job Ticket: 63473

**DST#: 2**

ATTN: Dwight Brehm

Test Start: 2016.12.04 @ 19:11:00

## GENERAL INFORMATION:

Formation: **Cherokee Sand- St Lo**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:52:30

Time Test Ended: 04:24:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4582.00 ft (KB) To 4645.00 ft (KB) (TVD)**

Reference Elevations: 2948.00 ft (KB)

Total Depth: 4645.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 747.82 psig @ 4583.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.12.04

End Date: 2016.12.05

Last Calib.: 2016.12.05

Start Time: 19:11:05

End Time: 04:24:30

Time On Btm: 2016.12.04 @ 21:52:15

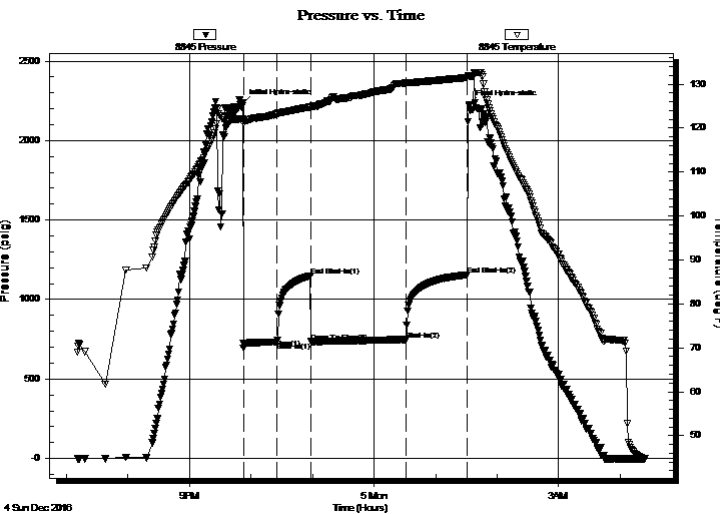
Time Off Btm: 2016.12.05 @ 01:32:30

**TEST COMMENT:** IF: 1 1/2" blow. Slid and took on mud prior to good packer seat.

IS: No return.

FF: 3" blow.

FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.00	122.15	Initial Hydro-static
1	692.31	121.06	Open To Flow (1)
33	732.16	123.21	Shut-In(1)
66	1149.95	124.83	End Shut-In(1)
67	734.41	124.72	Open To Flow (2)
159	747.82	130.25	Shut-In(2)
219	1155.53	131.52	End Shut-In(2)
221	2227.31	131.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	gsocm 10g 3o 87m	0.56
60.00	gm 5g 95m (oil spots)	0.84
1200.00	mud 100m	16.83

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brehm Asset Management, LLC

**23 19s 31w Scott Ks**

11625 Custer Rd. Ste 110-363  
Frisco, Tx 75053

**Braeden #2**

Job Ticket: 63473

**DST#: 2**

ATTN: Dwight Brehm

Test Start: 2016.12.04 @ 19:11:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in<sup>3</sup>

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
60.00	gsocm 10g 3o 87m	0.559
60.00	gm 5g 95m (oil spots)	0.842
1200.00	mud 100m	16.833

Total Length: 1320.00 ft      Total Volume: 18.234 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

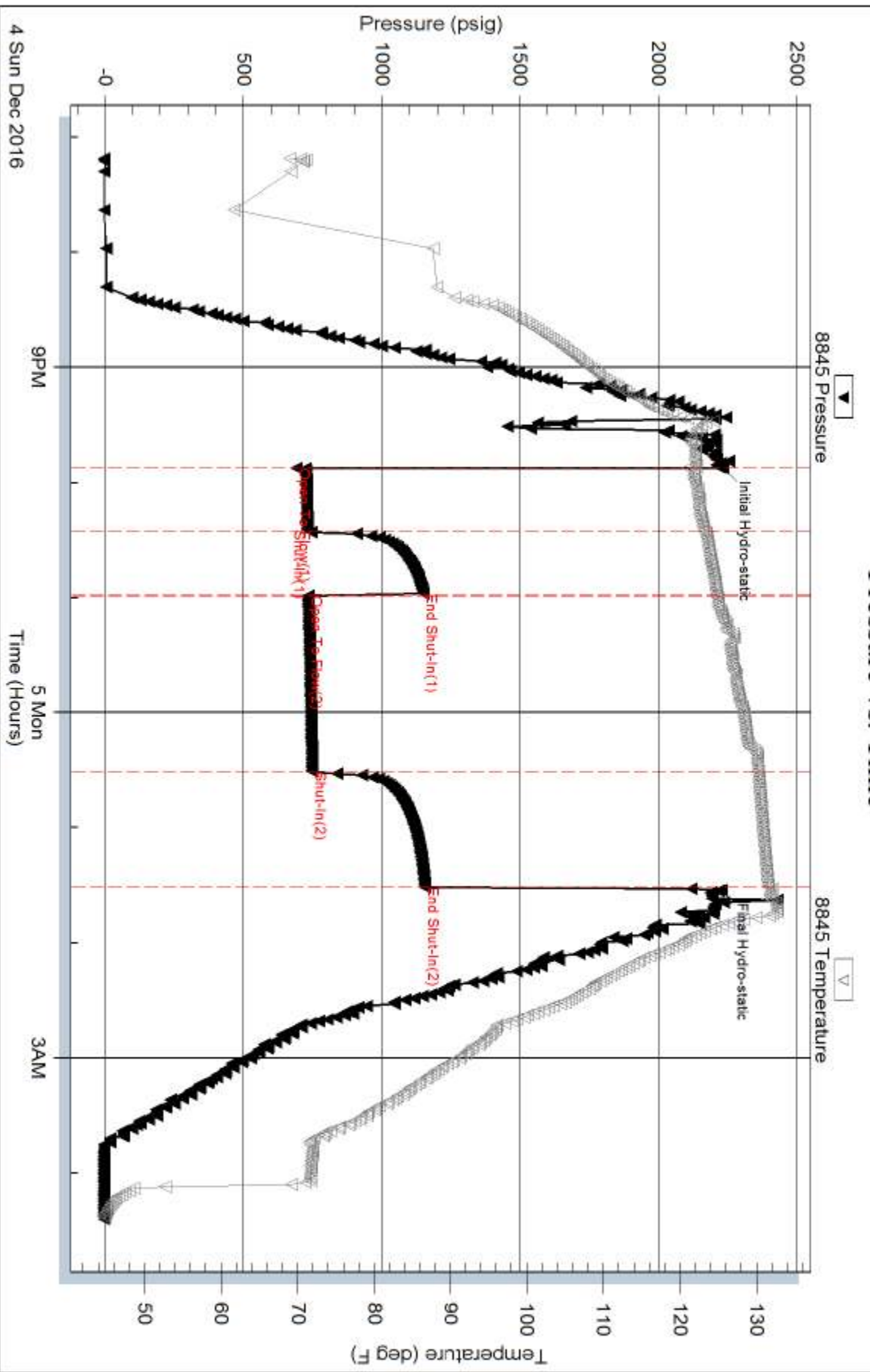
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



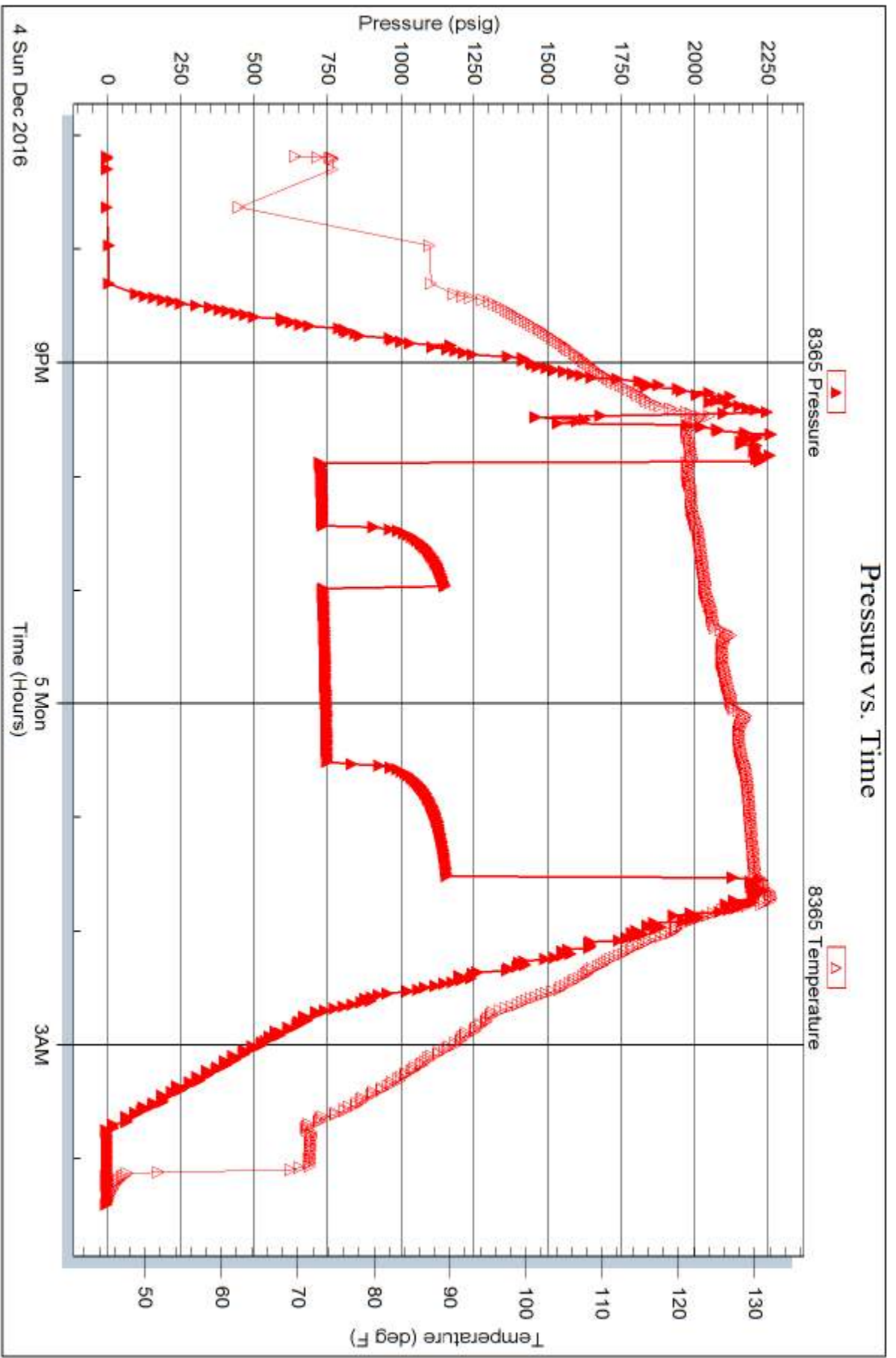
Serial #: 8365

Inside

Brehm Asset Management, LLC

Braeden #2

DST Test Number: 2







Services, Inc.

CHARGE TO: Bredwin Asset Management LLC

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET 09979

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Wesley KS</u>	WELL/PROJECT NO <u>A 2</u>	LEASE <u>Bredwin</u>	COUNTY/PARISH <u>Scott</u>	STATE <u>KS</u>	CITY <u>Capripton</u>	DATE <u>6 Dec 16</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO <u>3</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	WELL LOCATION <u>23-19-31</u>	
3. WELL TYPE <u>C-1</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Construction of 2 storage</u>	WELL PERMIT NO.				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>Bill 503</u>						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY	UM	QTY		
<del>500</del>	<del>575</del>				MILEAGE	50	mi		5.00	500.00
<del>500</del>	<del>579</del>				Ramp Charge	1	ea		1700.00	1700.00
					Gas Fuel Charge	4 1/2	in	7.20	55.00	385.00
					Concret Pallet	4 1/2	in	1.20	225.00	325.00
					11stret Floot shoe - auto file	4 1/2	in	1.20	275.00	275.00
					DV Tool	4 1/2	in	1.20	285.00	285.00
					DV latch assembly & handle	1	ea	1.20	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

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_

DATE SIGNED: 11/25 TIME SIGNED: 11:25

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

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 5005.00

TAX: 177.12

TOTAL: 1185.20

18862.36

SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: KSC Bell

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: \_\_\_\_\_

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!



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

TICKET CONTINUATION

TICKET No. 298337

CUSTOMER: *Bolin Asset Management* WSP: *B. Swick* #2 DATE: *6/16/16* PAGE: *2* OF: *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY				UNIT PRICE	AMOUNT
		LOC	ACCT	DR			QTY	U/M	QTY	U/M		
330						SWD cement	350	SK			15.75	5512.50
325						Standard cement (for 5+2)	175	SK			18.25	3143.75
284						Colo sand	820	LB	8	SK	320.00	341100
283						Salt	220	LB			0.20	44.00
286						Imhert-322	100	LB			8.00	800.00
276						Flake	125	LB			2.25	281.25
281						Mulch	50	gal			1.25	62.50
281						KCL Liquid	4	gal			25.00	100.00
290						D-Air	3	gal			42.00	126.00
281						SERVICE CHARGE					1.50	787.50
283						MILEAGE CHARGE					0.75	996.16

CONTINUATION TOTAL 11792.10



**JOB LOG**

**SWIFT Services, Inc.**

DATE 6 Dec 16 PAGE NO. 1

CUSTOMER Drehn WELL NO. #2 LEASE Braeden JOB TYPE Cement log string - 2 stage TICKET NO. 29837

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk EA-2 cement w/ 1/4" floccule 3,050 sk SMD w/ 1/4" floccule 4 1/2" x 11.6# casing 116 ts shoejt 41.87' cut 100, 118, 119, 120 Cont. 1, 3, 5, 7, 9, 11, 60 Basket #61 DV tool #61 2259' ID= 4730' total PP 4748'
	0430							mix TRK 110
	0538							start 4 1/2" x 11.6# casing in well
	0745							Drop ball - circulate
	0845	4 1/2	12				200	Pump 500 gal mud flush
		4 1/2	20				200	Pump 20 bbl KCL flush
	0855	4 1/2	41				200	mix EA-2 cement 175 sk @ 15.3 ppq Drop 1st stage ketch down plug work out pump & line
	0905							
	0909	6					300	Displace plug
		6	67				300	
	0930	6	73				1600	Land plug Release pressure to truck - closed up
	0940						400	Drop bomb
							1400	open DV tool
	0942		7					Plug RH - MH 30 sk - 20 sk
	0946	6	180				200	mix SMD cement 300 sk @ 11.2 ppq Drop 2nd stage plug
		5					200	Displace plug
		4 1/2					300	→ cement to surface &
	0945	4 1/2	35				1400	Land plug - close DV tool Release pressure to truck - closed up work truck
	1048							Rack up {300 sk mud 300 ts 9' t}
	1120							job complete F. H. B. Baker, 2014, 150000