

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs 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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Stewart Producers, Inc.
Well Name	SUTTON 3
Doc ID	1364285

Tops

Name	Top	Datum
Anhydrite	1589	727
Base Anhydrite	1627	689
Heebner	3668	-1352
Lansing	3710	-1394
BKC	4040	-1724
Ft. Scott	4213	-1897
Cherokee	4238	-1922
Mississippian	4305	-1989



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stewart Producers, Inc.

8-18S-24W Ness, KS

301 N. 27th St.
PO Box 546
Mt. Vernon, IL 62864
ATTN: Aaron Young

Sutton #3

Job Ticket: 63281

DST#: 1

Test Start: 2017.07.21 @ 10:30:53

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:30:29

Time Test Ended: 18:57:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4190.00 ft (KB) To 4235.00 ft (KB) (TVD)

Reference Elevations: 2316.00 ft (KB)

Total Depth: 4235.00 ft (KB) (TVD)

2309.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6838 Inside

Press@RunDepth: 57.66 psig @ 4199.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.07.21

End Date:

2017.07.21

Last Calib.: 2017.07.21

Start Time: 10:30:54

End Time:

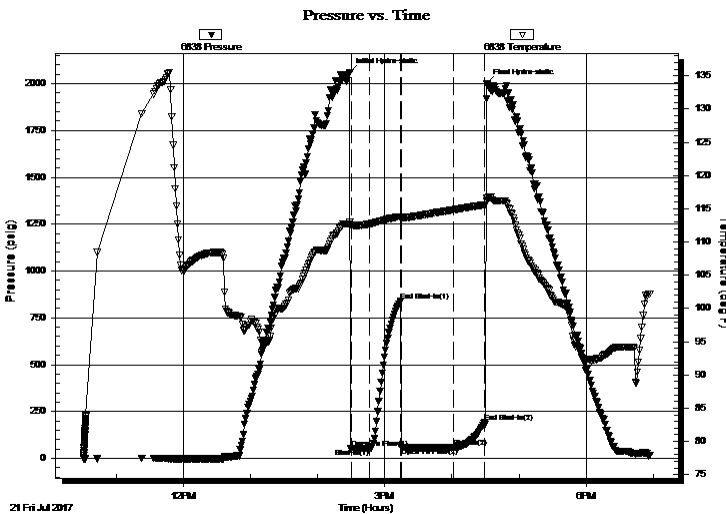
18:57:29

Time On Btm: 2017.07.21 @ 14:28:44

Time Off Btm: 2017.07.21 @ 16:31:14

TEST COMMENT: 15- IF- Slowly built to .5"
30- IS- No blow
45- FF- Slowly built to 1"
30- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2059.95	113.06	Initial Hydro-static
2	54.44	112.52	Open To Flow (1)
18	53.69	112.70	Shut-In(1)
46	838.37	113.83	End Shut-In(1)
46	57.68	113.44	Open To Flow (2)
93	57.66	114.83	Shut-In(2)
121	193.38	115.59	End Shut-In(2)
123	1999.29	116.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM, 5%O 95%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Producers, Inc.

8-18S-24W Ness, KS

301 N. 27th St.
PO Box 546
Mt. Vernon, IL 62864
ATTN: Aaron Young

Sutton #3

Job Ticket: 63281

DST#: 1

Test Start: 2017.07.21 @ 10:30:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	SOCM, 5%O 95%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

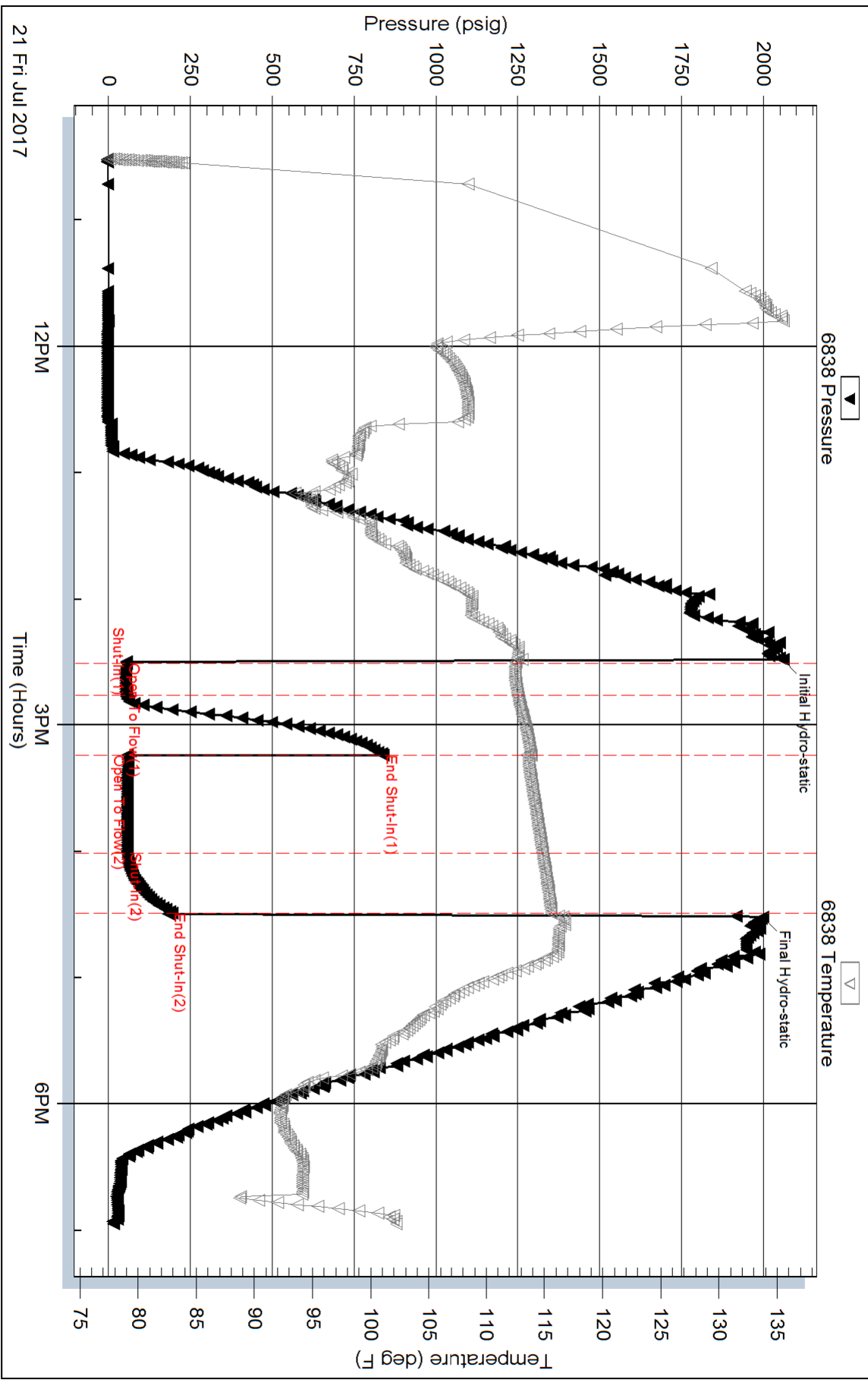
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

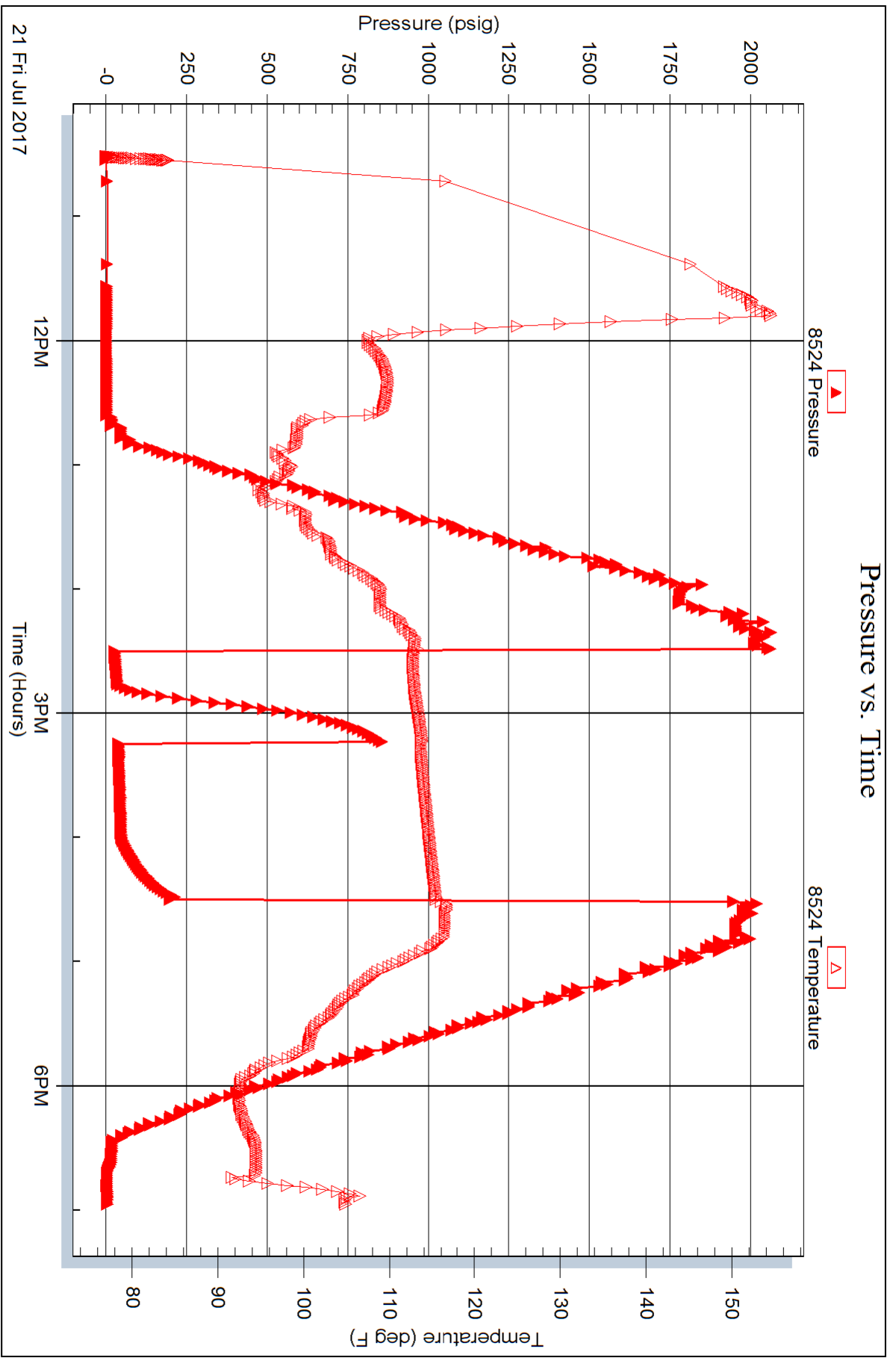


Serial #: 8524

Outside Stew art Producers, Inc.

Sutton #3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63281

Printed: 2017.07.22 @ 09:29:53



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stewart Producers, Inc.

8-18S-24W Ness, KS

301 N. 27th St.
PO Box 546
Mt. Vernon, IL 62864
ATTN: Aaron Young

Sutton #3

Job Ticket: 63282

DST#: 2

Test Start: 2017.07.22 @ 08:45:30

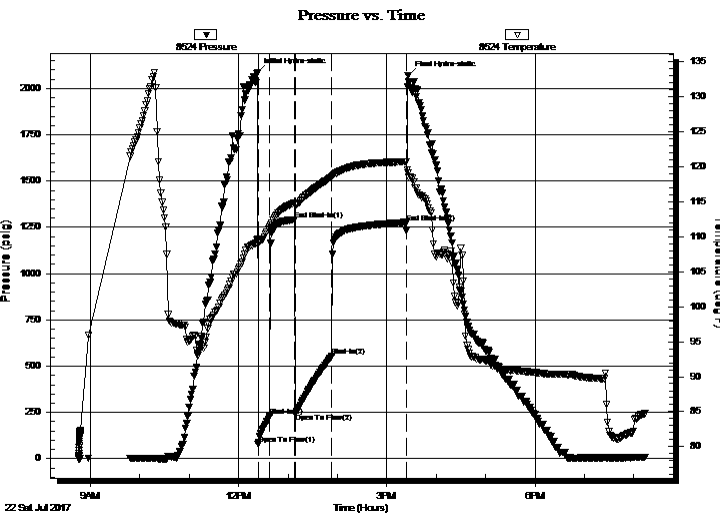
GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:23:21
 Time Test Ended: 20:13:20
 Interval: **4257.00 ft (KB) To 4330.00 ft (KB) (TVD)**
 Total Depth: 4330.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2316.00 ft (KB)
 2309.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8524 Outside

Press@RunDepth: 553.67 psig @ 4264.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.07.22 End Date: 2017.07.22 Last Calib.: 2017.07.22
 Start Time: 08:45:31 End Time: 20:13:20 Time On Btm: 2017.07.22 @ 12:22:51
 Time Off Btm: 2017.07.22 @ 15:25:51

TEST COMMENT: 15- IF- BOB 3mins
 30- IS- Slowly built to 3"
 45- FF- BOB 2mins
 90- FSI- .25" blow died in 35mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2086.76	109.70	Initial Hydro-static
1	77.38	109.28	Open To Flow (1)
15	229.19	111.45	Shut-In(1)
45	1292.29	114.82	End Shut-In(1)
46	243.89	114.57	Open To Flow (2)
91	553.67	118.54	Shut-In(2)
181	1276.13	120.69	End Shut-In(2)
183	2068.54	119.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	GOCM, 20%G 15%O 65%M	1.48
1174.00	GMCO, 25%G 65%O 10%M	16.64
0.00	285' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Stewart Producers, Inc.

8-18S-24W Ness, KS

301 N. 27th St.
PO Box 546
Mt. Vernon, IL 62864
ATTN: Aaron Young

Sutton #3

Job Ticket: 63282

DST#: 2

Test Start: 2017.07.22 @ 08:45:30

GENERAL INFORMATION:

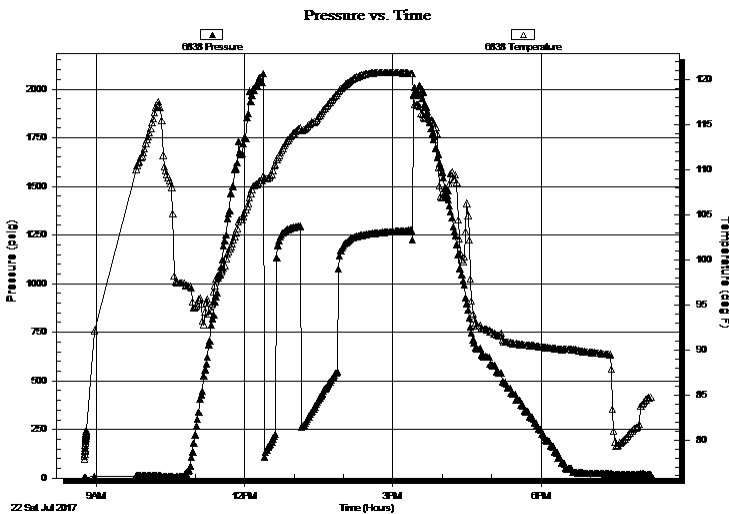
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 12:23:21
 Tester: Brannan Lonsdale
 Time Test Ended: 20:13:20
 Unit No: 73
 Interval: **4257.00 ft (KB) To 4330.00 ft (KB) (TVD)**
 Reference Elevations: 2316.00 ft (KB)
 Total Depth: 4330.00 ft (KB) (TVD)
 2309.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 6838

Inside

Press@RunDepth: psig @ 4264.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.07.22 End Date: 2017.07.22 Last Calib.: 2017.07.22
 Start Time: 08:45:32 End Time: 20:13:21 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15- IF- BOB 3mins
 30- IS- Slowly built to 3"
 45- FF- BOB 2mins
 90- FSI- .25" blow died in 35mins



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
183.00	GOCM, 20%G 15%O 65%M	1.48
1174.00	GMCO, 25%G 65%O 10%M	16.64
0.00	285' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Producers, Inc.

8-18S-24W Ness, KS

301 N. 27th St.
PO Box 546
Mt. Vernon, IL 62864
ATTN: Aaron Young

Sutton #3

Job Ticket: 63282

DST#: 2

Test Start: 2017.07.22 @ 08:45:30

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 3700.00 ppm
Filter Cake: inches

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

Oil API: 33 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	GOCM, 20%G 15%O 65%M	1.483
1174.00	GMCO, 25%G 65%O 10%M	16.642
0.00	285' GIP	0.000

Total Length: 1357.00 ft Total Volume: 18.125 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

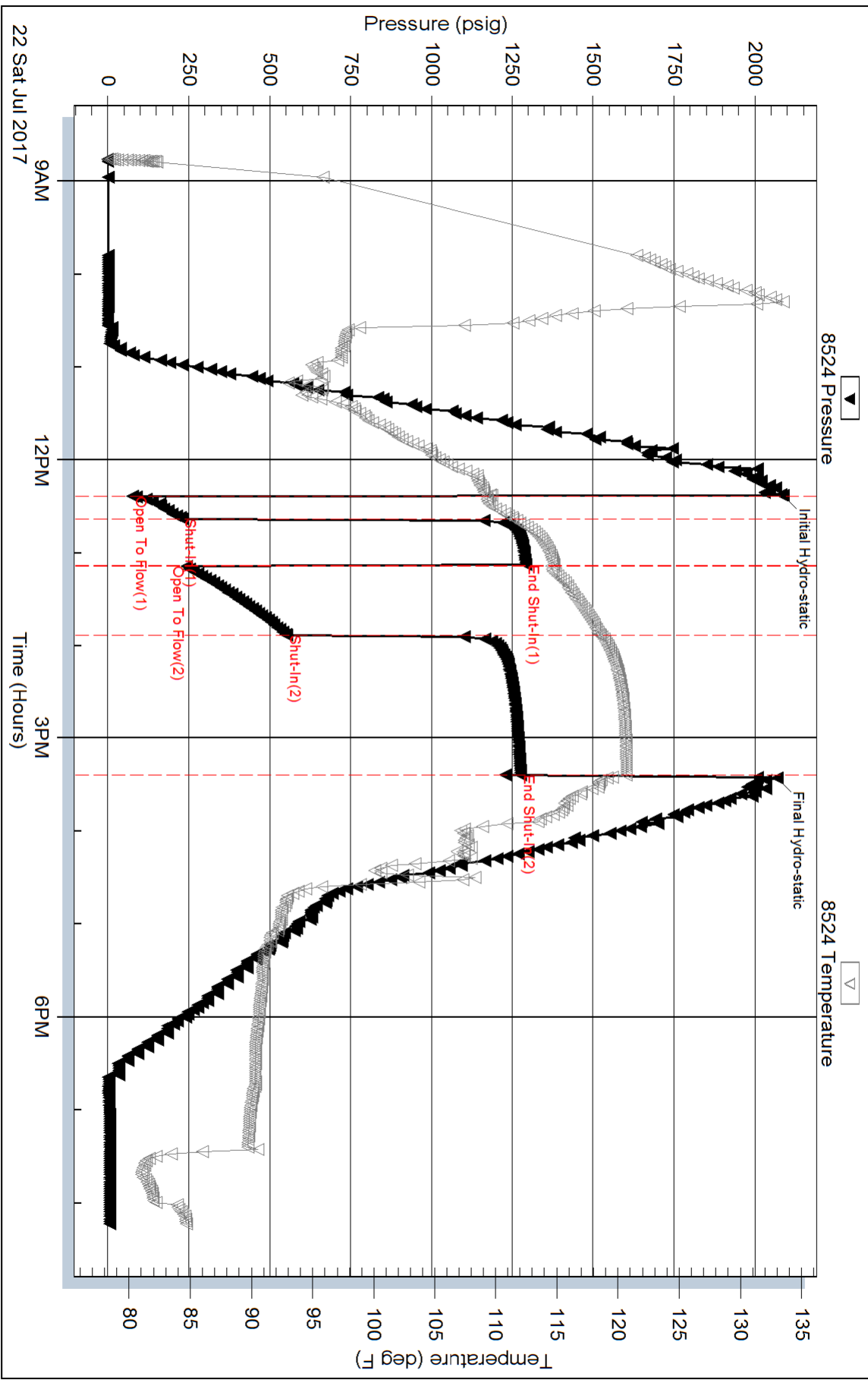
Serial #:

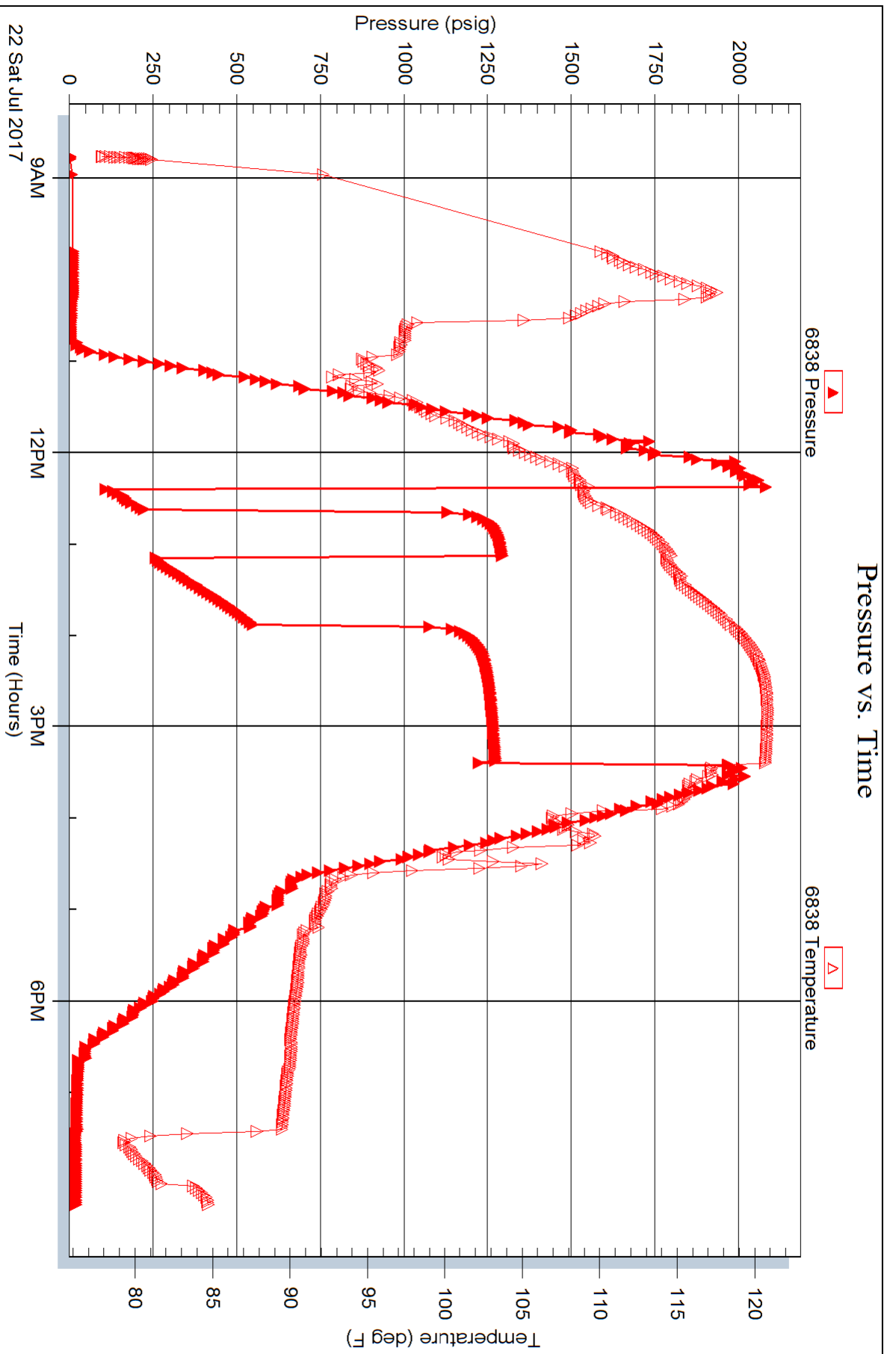
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300



Invoice

DATE	INVOICE #
8/1/2017	30568

RECEIVED

AUG - 8 2017

- Acidizing
- Cement
- Tool Rental

BILL TO
Stewart Producers, Inc. P. O. Box 546 Mt. Vernon, IL 62864-0546

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Sutton	Ness	Express Well Serv...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				10	Miles	5.00	50.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)				150	Sacks	15.75	2,362.50T
276	Flocele				50	Lb(s)	2.25	112.50T
290	D-Air				2	Gallon(s)	42.00	84.00T
104	Port Collar Tool Rental				1	Each	200.00	200.00T
581D	Service Charge Cement				200	Sacks	1.50	300.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							4,609.00
	Sales Tax Ness County						6.50%	179.34

We Appreciate Your Business!

Total \$4,788.34



TICKET 30568

CHARGE TO: *Steerit Production*
 ADDRESS:
 CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS: *Wadley KS*

1. WELL/PROJECT NO. *#3* LEASE *Sutton* COUNTY/PARISH *Ness* CITY *Ness City* STATE *KS* DATE *1 AUG 17* OWNER
 2. CONTRACTOR *EXPRESS* RIG NAME/NO. *location* DELIVERED TO *location* ORDER NO.
 3. WELL TYPE *Oil* WELL CATEGORY *Development* JOB PURPOSE *cement port collar* WELL PERMIT NO. WELL LOCATION
 4. INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
<i>576</i>		<i>1</i>			<i>10</i>	<i>mi</i>			<i>5.00</i>	<i>50.00</i>
<i>576D</i>		<i>1</i>		<i>Price Change</i>	<i>1</i>	<i>kg</i>	<i>5 1/2</i>	<i>in</i>	<i>1250.00</i>	<i>1250.00</i>
<i>39D</i>		<i>1</i>		<i>SMD cement</i>	<i>150</i>	<i>sk</i>			<i>15.75</i>	<i>2362.50</i>
<i>276</i>		<i>1</i>		<i>Flackbe</i>	<i>50</i>	<i>lb</i>			<i>2.25</i>	<i>112.50</i>
<i>29D</i>		<i>1</i>		<i>D-air</i>	<i>249</i>				<i>42.00</i>	<i>84.00</i>
<i>104</i>		<i>1</i>		<i>Port Collar Tool Rental</i>	<i>1</i>	<i>kg</i>	<i>5 1/2</i>	<i>in</i>	<i>200.00</i>	<i>200.00</i>
<i>581</i>		<i>1</i>		<i>Service charge</i>	<i>200</i>	<i>sk</i>			<i>1.50</i>	<i>300.00</i>
<i>582</i>		<i>1</i>		<i>Drayage (wind)</i>	<i>1</i>	<i>kg</i>			<i>250.00</i>	<i>250.00</i>

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

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]* TIME SIGNED *11:25* A.M. P.M.

DATE SIGNED

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

OUR CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL *4609.00*

TAX *179.34*

TOTAL *4788.34*

SWIFT OPERATOR *[Signature]* APPROVAL

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 1 AUG 17 PAGE NO. 1

CUSTOMER WELL NO. #3 LEASE Sutton JOB TYPE cement port collar TICKET NO. 30568

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sk SMD cement w/ 1/4" Floccula 2 1/2 x 5 1/2 port collar 1566'
	1020					1000	000	m loc TRK 114
1026	1029	3 1/2	2			200		test to 1000 - held - open port collar
	1029	3 1/2				200		inj rate 3 1/2 @ 200
		3 1/2	3			200		Mix SMD cement @ 11.2 ppg fluid to surface
		3 1/2	80			300		→ cement to surface ←
								{ 150 sk } { 15 ft }
		3 1/2	8			300		Displace 8 bbl H ₂ O
								close port collar
	1059					1000	000	test to 2000psi - held
	1104							Run 4 joints
	1110		20					Reverse hole clean - 2 cements flags -
	1117							wash truck Reverse out
								Rack up
	1145							job complete
								Thanks Blaine, Phil, & Isaac

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Sutton #3
API: 15-135-25957
Location: Section 8 - T18S - R24W
License Number: 34996
Spud Date: 7 / 15 / 2017
Surface Coordinates: 780' FSL and 1745 FWL
Approx. SE - NW - SE - SW
Region: Ness Co., KS
Drilling Completed: 7 / 23 / 2017
Bottom Hole Coordinates:
Ground Elevation (ft): 2311' K.B. Elevation (ft): 2316'
Logged Interval (ft): 3500' To: 4400' Total Depth (ft): 4400'
Formation: Mississippian
Type of Drilling Fluid: Chemical - Mud-Co

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Stewart Producers, Inc
Address: PO BOX 546
Mt. Vernon, IL 62864

GEOLOGIST

Name: Aaron L. Young, M.S.
Company: Young Consulting, LLC
Address: 100 S. Main, Suite 505
Wichita, Kansas 67202

General Info

CONTRACTOR: WW Drilling, Rig #2

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	Smith	18-18-18	218	213	5.75
2	7-7/8	Smith F27	15-15-15	4400	4182	107.50

SURVEYS: 218'-.75, 4235'-1.75, 4330'-1.75, 4400-.75

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 36,000 - 38,000 lbs. on bit and approx 80-85 RPM.
Running 8 stands of collars; 476.15'
Pumping approx 700-850 psi at standpipe.

Daily Status

7/15/17 - Spud, set 218' 8 5/8" casing w/ 150 sx Common 3% cc & 2% gel

7/16/17 - WOC @ 218'

7/17/17 - Drilling @ 1785'

7/18/17 - Drilling @ 2705'

7/19/17 - Drilling @ 3450'

7/20/17 - Drilling @ 3965'

7/21/17 - DST #1 4190' - 4235'

7/22/17 - DST #2 4257' - 4330'

7/23/17 - Logged, ran 4398' 5 1/2" production casing, cem w/ 195 sx, port collar @ 1569'. Cem rathole w/ 30 sx

DST #1 FT. SCOTT
15" - 30" - 35" - 30"

IF: Slowly built to 1/2"

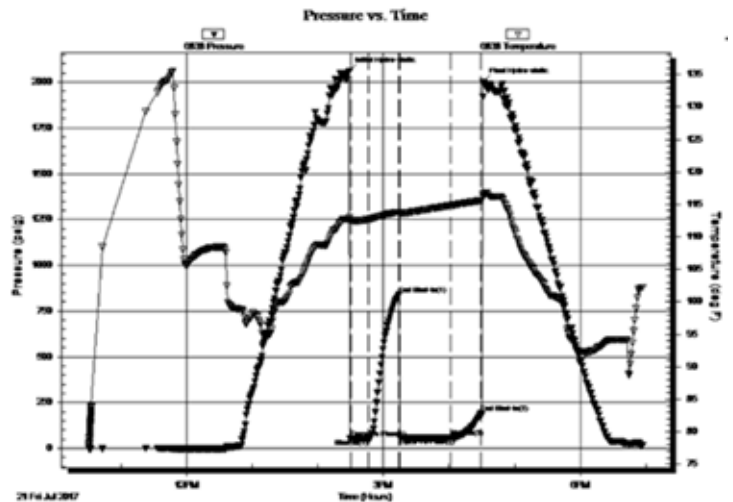
ISI: No blow

FF: Slowly built to 1"

FSI: No blow

Rec'd: 30' SOCM (5% O, 95% M)

SIP: 838-193#, FP: 54-54#, 58-58#, HP: 2060-1999#



DST #2 MISSISSIPPIAN
15" - 30" - 45" - 90"

IF: BOB in 3 min

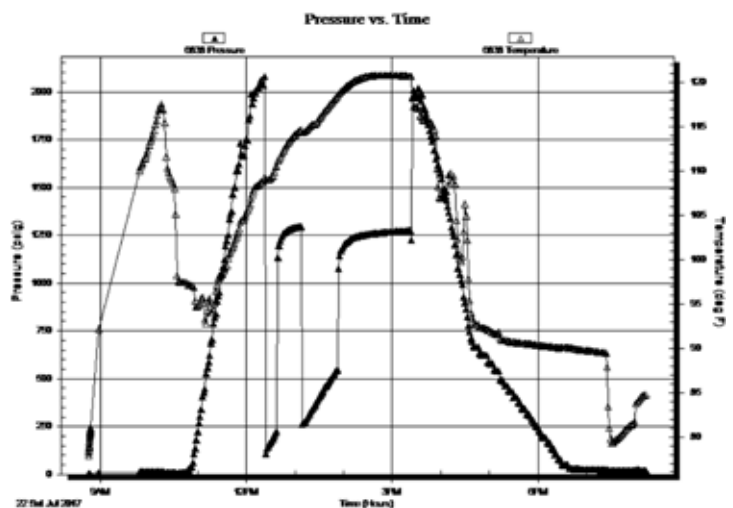
ISI: Slowly built to 3"

FF: BOB 2 min

FSI: 1/4" blow died in 35 min

Rec'd: 183' GOCM (20% G, 15% O, 65% M), 1174' GMCO (25% G, 65% O, 10% M), 285' GIP

SIP: 1292-1276# FP: 77-229#, 244-554# HP: 2087-2069



ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mr1st
	Salt
	Shale
	Shcol

	Shgy
	Slstst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Slststn
	Shlyslts
	Sltysh
	Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr



- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Silty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram



- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh



- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Graint
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

INTERVALS

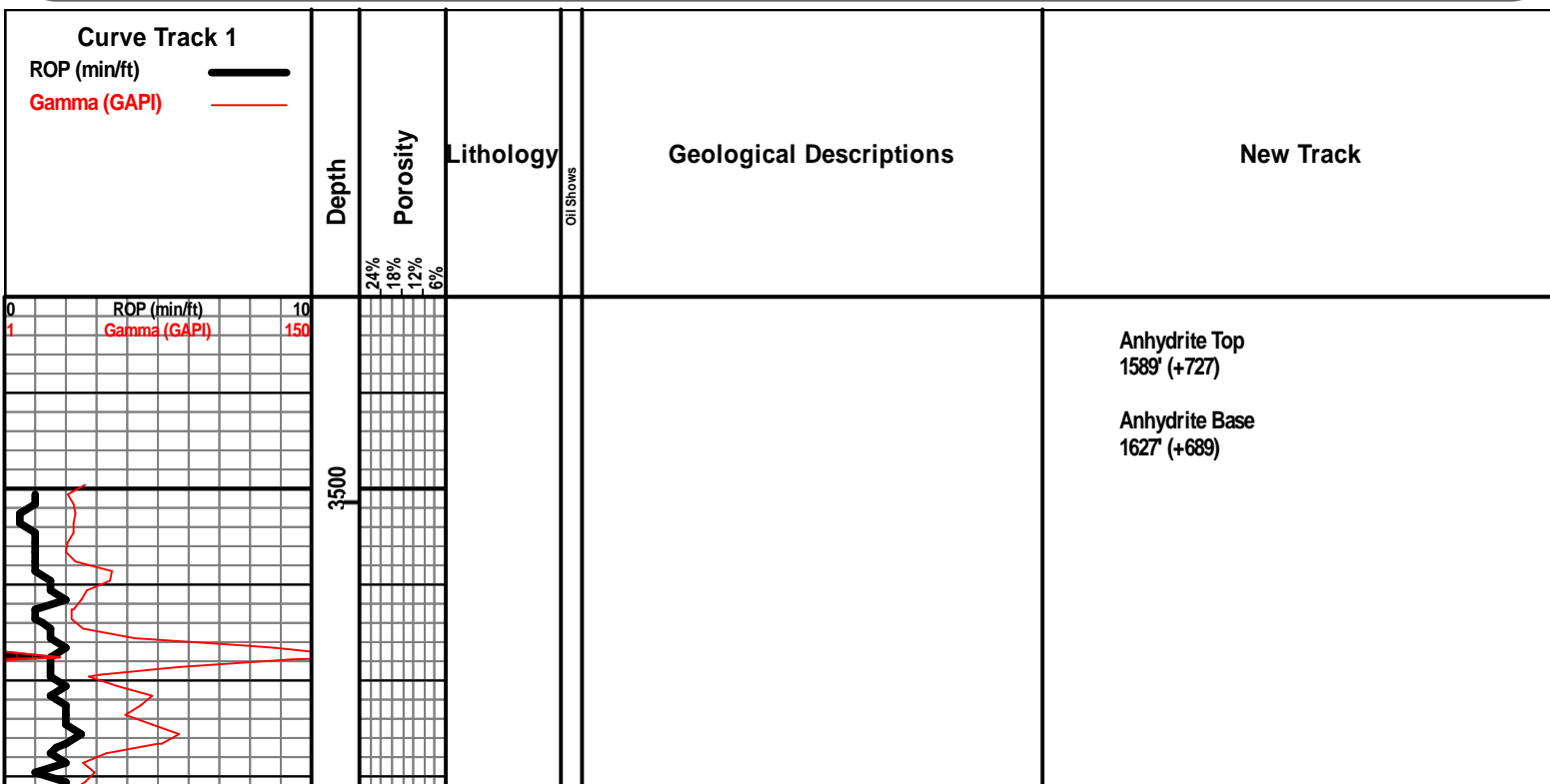
- Core
- Dst

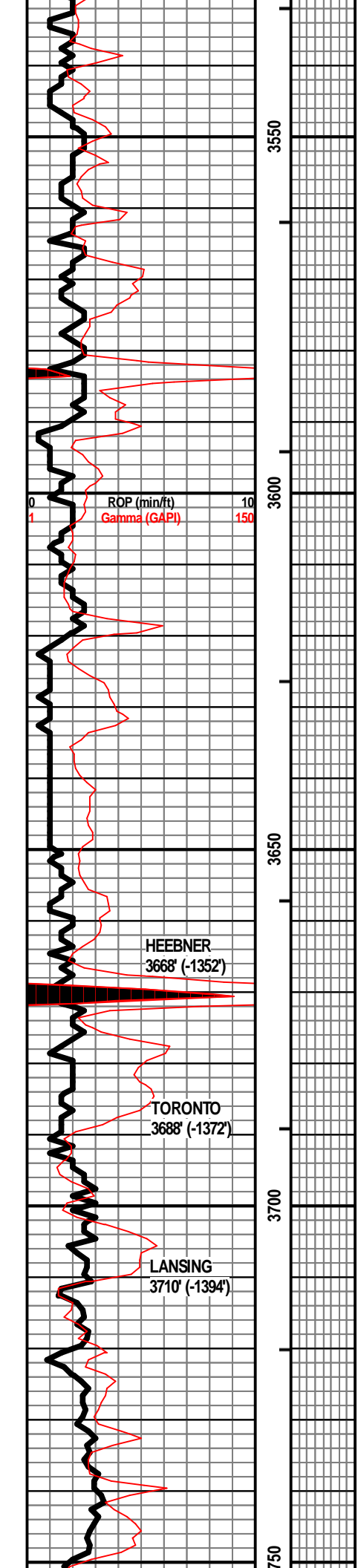


Dst

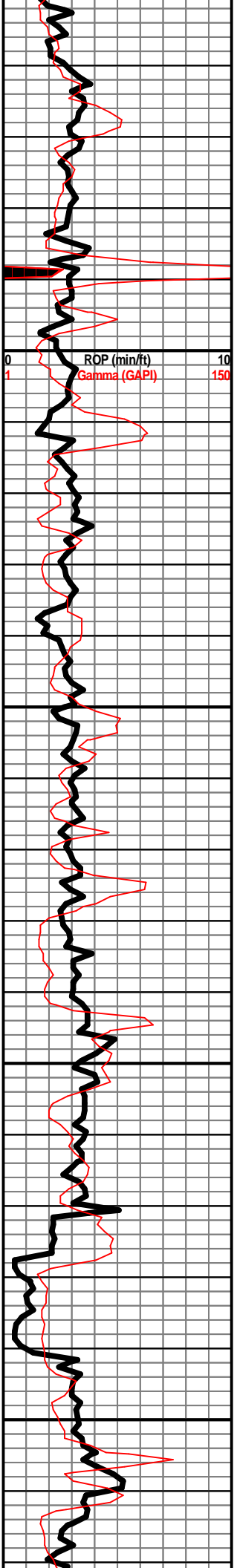
EVENTS

- Rft
- Sidewall
- Conn



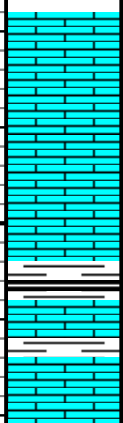


DRY SAMPLES STARTED



ROP (min/ft) 0 10
 Gamma (GAPI) 1 150

3800
 3850
 3900
 3950



LS - GY / TAN, F XLN, F / G OOLMOLDIC POR,
 NS, NO ODOR, NO ODOR, BRI YEL FLUOR

LS - GY / TAN, F XLN, P / F OOLMOLDIC POR,
 NS, NO ODOR, SLI YEL FLUOR IN PT, W/ LS -
 WHT / CRM, VF XLN, V CHKY / CHKY

SH - BLK, SLI CARB, W/ LS - TAN F XLN, MOD
 DNS, W/ SH - GRN / RD

SH - GRN / RD, W/ LS - TAN / GY, F XLN, MOD
 DNS / DNS

LS - CRM / WHT, VF XLN, SUBCHKY / CHKY

WT 9.0
 VIS 49
 LCM 1/2#

WT 9.0
 VIS 62
 LCM 1#

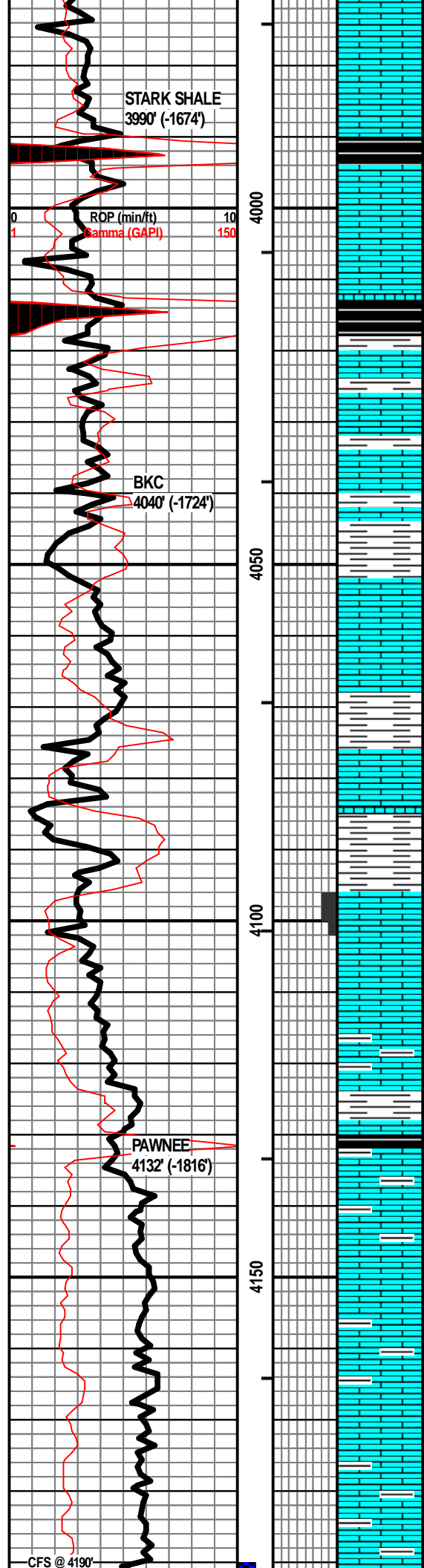
WT 9.1
 VIS 62
 LCM 1#

WT 9.2
 VIS 59
 LCM 1/2#

WT 9.2
 VIS 55
 LCM 1/2#

WT 9.2
 VIS 56
 LCM 1/2#

WT 9.2
 VIS 57
 LCM 1/2#



LS - CRM / TAN, VF / F XLN, MOD DNS

LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY, W/ CHT - GY, SLI TRANSLUCNT, DNS

SH - GR / BLK, CARB

LS - CRM, VF / F XLN, SUBCHKY / MOD DNS

SH - BLK, CARB, W/ LS - CRM, VF / FXLN, MOD DNS / DNS, W/ SH - GRN

LS - DK BRN, F XLN, DNS, FOSS, W/ SH - GRN

SH - GRN / RD / GY, W/ LS - CRM, F XLN, MOD DNS, FOSS

SH - GRN / RD / MAR, W/ LS - CRM, VF / F XLN, SUBCHKY / CHKY IN PT

LS - TAN / GY, VF / F XLN, SUBCHKY, W/ SH - GY / DK GY

LS - TAN, VF / F XLN, MOD DNS, SUBCHKY IN PT

SH - LT GRN / LT GY, V SOFT

LS - CRM, VF / F XLN, PRED MOD DNS / SUBCHKY, STYLITIZED IN PT, W/ SH - GY, W/ FEW PIECES LS - TAN, F XLN, P / F INTEROOLITIC POR, NSFO, SLI OIL SHEEN, NO ODOR, YEL FLUOR

LS - TAN / GY, VF / F XLN, MOD DNS / SUBCHKY

LS - GY, VF / F XLN, SUBCHKY, SHLY IN PT

SH - BLK, SLI CARB, W/ SH - GRN / GY, W/ LS - WHT / CRM, VF XLN, CHKY

LS - GY, VF XLN, SHLY

LS - TAN / GY, VF / F XLN, MOD DNS / DNS

LS - TAN / GY, F / VF XLN, MOD DNS / DNS, SLI SHLY IN PT

LS - CRM / TAN, VF XLN, SUBCHKY

LS - DK GY, VF / F XLN, MOD DNS / DNS, SHLY

WT 9.2
VIS 56
LCM 1/2#

WT 9.2
VIS 56
LCM 1/2#

WT 9.2
VIS 52
LCM 1#

WT 9.2
VIS 55
LCM 1#

WT 9.3
VIS 58
LCM 1#

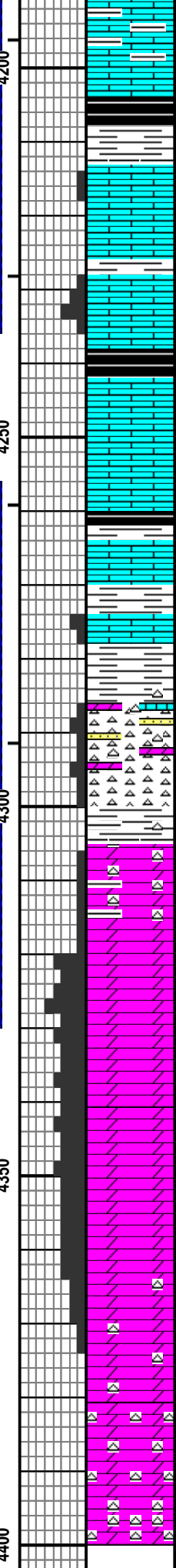
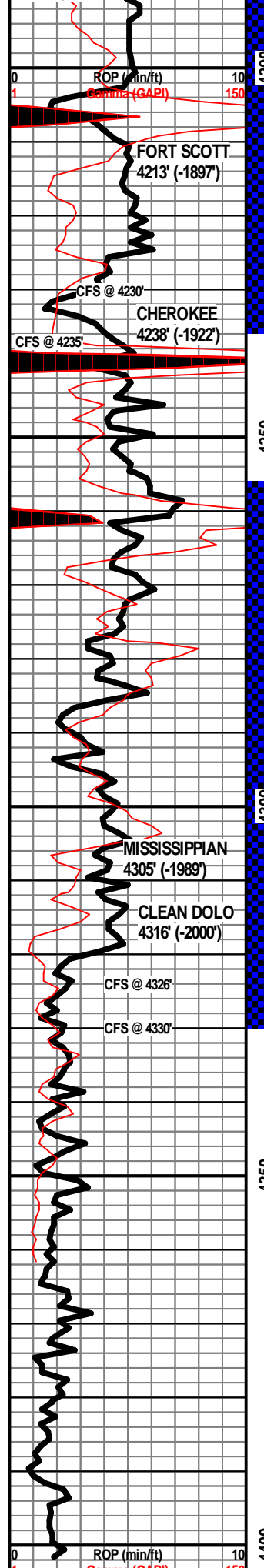
WT 9.3
VIS 53
LCM 1#

WT 9.3
VIS 55
LCM 1/2#

WT 9.3+
VIS 54
LCM 1/2#

WT 9.4
VIS 50
LCM 1/2#

SHORT TRIP @ 4190'
STRAP 1 1/2 LONG



LS - DK GY, VF / F XLN, PRED DNS, MOD DNS IN PT, V SHLY

SH - BLK, CARB

LS - CRM / TAN / LT BRN IN PT, F XLN, P INTXLN + VUG POR, OOLITIC IN PT, P INTEROOLITIC POR, VSSFO, SLI ODOR, G YEL-GRN FLUOR, FOSS

LS - CRM / TAN, F XLN, MOD DNS / DNS, NO VIS POR, NS, NO ODOR, ABUND FOSS

LS - CRM / TAN, F XLN, P / F VUG POR, F / G INTXLN POR, FSFO, G SHO GB, G ODOR, VG YEL-GRN FLUOR

SH - BLK, CARB

LS - CRM / TAN, F XLN, MOD DNS / DNS, FOSS IN PT, W / SH - RD / MAR / PURP / YEL / GRN

LS - CRM / TAN, VF / F XLN, MOD DNS / DNS, FOSS

SH - GY / BLK, SLI CARB, W / LS - PRED CRM / OFF-WHT, TAN IN PT, VF / F XLN MOD DNS

SH - GRN / GY, W / LS - TAN, F XLN, DNS, FOSS

LS - CRM / TAN, VF / F XLN, PRED DNS, P INTXLN POR IN PT, VSSFO, F ODOR, G YEL-GRN FLUOR

CONGL - SH - GRN / RD / YEL, W / DOLO - TAN / BRN, F XLN, P / F INTXLN POR, FSFO, F ODOR, W / FEW PIECES SS - WHT, VF GR, W SRDT, W CEM, V DNS, W CHT - WHT / TAN, SLI TRANSLUCNT, FRSH, SLI EDG STN IN PT

CHT - WHT / TAN / GY / YEL / GRN, SLI TRANSLUCNT, OPAQ IN PT, W / SH - GRN / YEL, GY, SLTY IN PT

DOLO - TAN / GY, F XLN, P / F INTXLN POR, FSFO IN PT, F ODOR, SLI YEL-GRN FLUOR, ABUND DEAD OIL STNW CHT - TAN / GY / YEL, FRSH, W / SH - GRN / RD

DOLO - TAN / GY, F XLN, P / F INTXLN + VUG POR, FSFO IN PT, F ODOR, F YEL-GRN FLUOR, ABUND DEAD OIL STN, FOSS IN PT W / CHT - WHT / TAN / GY, SLI TRANSLUCNT, FRSH

DOLO - CRM / GY, F / M XLN, PRED F / G INTXLN + VUG POR, GSFO, LT BRN OIL, G ODOR, G YEL-GRN FLUOR, ABUND FOSS, FEW DNS PIECES WITH P VIS POR, BUT BLEEDING OIL

DOLO - CRM / TAN, F / M XLN, G INTXLN + VUG POR, GSFO, G ODOR, G YEL-GRN FLUOR, FOSS, LESS FULLY SAT PIECES THAN ABOVE

DOLO - CRM / TAN, F / M XLN, G INTXLN + VUG POR, FSFO, G ODOR, G YEL-GRN FLUOR, FOSS, SOME PIECES APPEAR BARREN

DOLO - CRM / TAN, F / M XLN, F / G INTXLN + VUG POR, SSFO, G ODOR, ABUND OIL SHEEN, FOSS, MORE BARREN PIECES THAN ABOVE

DOLO - WHT / GY, F / M XLN, F INTXLN + VUG POR, SSFO, POR MOSTLY BARREN, FEW OIL DROP IN EACH PIECE UPON BREAKING, SLI YEL-GRN FLUOR, W / FEW PIECES CHT - WHT / GY

DOLO - WHT / GY, VF / F XLN, MOD DNS / SUBCHKY, CHKY IN PT, NS, W / CHT - WHT / GY, FRSH, PRED OPAQ, TRANSLUCNT IN PT

DOLO - WHT / CRM, F XLN, MOD DNS, W / CHT - WHT / GY, FRSH, PRED OPAQ, TRANSLUCNT IN PT

DOLO - WHT / CRM, F XLN, MOD DNS, W / ABUND CHT - WHT / GY, FRSH, PRED OPAQ, TRANSLUCNT IN PT

STRAP 1.40 LONG
WINDY

WT 9.2
VIS 50
LCM 1#

DST #1 FT. SCOTT
15" - 30" - 35" - 30"

IF: Slowly built to 1/2"
ISI: No blow
FF: Slowly built to 1"
FSI: No blow

Rec'd: 30' SOCM (5% O, 95% M)

IH: 2060#
IF: 54-54#
ISI: 838#
FF: 58-58#
FSI: 193#
FH: 1999#

WT 9.2
VIS 56
LCM 1#

DST #2 MISSISSIPPIAN
15" - 30" - 45" - 90"

IF: BOB in 3 min
ISI: Slowly built to 3"
FF: BOB 2 min
FSI: 1/4" blow died in 35 min

Rec'd: 183' GOCM (20% G, 15% O, 65% M), 1174' GMCO (25% G, 65% O, 10% M), 285' GIP

IH: 2087#
IF: 77-229#
ISI: 1292#
FF: 244-554#
FSI: 1276#
FH: 2069#

NOTE: LOWER 200' DRILL TIME SLID 2' TO MATCH GAMMA RAY

RTD 4400'

GLOBAL OIL FIELD SERVICES, LLC

3031

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT
RUSSELL, KS

DATE <u>7-15-17</u>	SEC. <u>8</u>	TWP. <u>18</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>SECTION</u>	WELL# <u>3</u>	LOCATION <u>Ness City</u>			COUNTY <u>NESS</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (CIRCLE ONE)							

CONTRACTOR <u>WW DRILLING</u>	OWNER
TYPE OF JOB <u>SURFACE</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>218'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>217.87</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>20'</u>	
PERFS	
DISPLACEMENT <u>12 BBL</u>	
EQUIPMENT	
PUMP TRUCK # <u>409</u>	CEMENTER <u>BRAD</u>
	HELPER <u>TOM</u>
BULK TRUCK # <u>412</u>	DRIVER <u>KRIS</u>
BULK TRUCK #	DRIVER

CEMENT AMOUNT ORDERED <u>150 SX 40/40 P02 30% CC 2 1/2 GFL</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
	@
	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	@
	TOTAL

REMARKS:

RUN IN 5 JTS NEW 8 5/8 CASING, CIRCULATE MUD, MIX 150 SX, WASH UP + DISPLACE W/ 12 BBL H2O, SHOT IN @ 200 PSI, CEMENT DID CIRCULATE

CHARGE TO: STEWART PRODUCTS INC
STREET _____
CITY _____ STATE _____ ZIP _____

Global Oil Field Services, LLC
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
SIGNATURE [Signature]

SERVICE

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

PLUG & FLOAT EQUIPMENT

	@
	@
	@
	@
	@
	TOTAL

SALES TAX (If Any) _____
TOTAL CHARGES 2600.00
DISCOUNT _____ IF PAID IN 30 DAYS



TICKET 30442

CHARGE TO: SWIFT PRODUCERS INC
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

PAGE 1 OF 1

SERVICE LOCATIONS

1. Ness, by Ks WELL/PROJECT NO. #3 LEASE Sutton COUNTY/PARISH Ness STATE Ks CITY _____ DATE 7-23-12 OWNER _____
2. _____ CONTRACTOR _____ SHIPPED VIA _____ DELIVERED TO _____ ORDER NO. _____
3. _____ WELL TYPE Wildcat WELL CATEGORY Long String JOB PURPOSE Long String WELL PERMIT NO. _____ WELL LOCATION _____
4. _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
535		1			MILEAGE TRK # 1112		10	M	5.00	50.00
538		1			Pump Charge - Long String		1	EA	1250.00	1250.00
290		1			D-Air		4	Case	42.00	168.00
221		1			Liquid Hose		4	Case	25.00	100.00
281		1			Mud Flush		500	Case	1.25	625.00
403		1			CEMENT BASKET		8	EA 5/2	250.00	2000.00
404		1			Port Collar		1	EA	2500.00	2500.00
406		1			Latch Down Plug + Baffle		1	EA	225.00	225.00
407		1			Insert Floet Shoe w/ AutoFill		1	EA	300.00	300.00
409		1			Turbolizer		10	EA	75.00	750.00
		1			Rotating Head Rental		1	EA	200.00	200.00

REMIT PAYMENT TO:

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?

AGREE UN-DECIDED DIS-AGREE

PAGE TOTAL: 6668.00
 4397.00
 11058.00

TAX

TOTAL

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 David Stewart TIME SIGNED _____ A.M. P.M.

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

APPROVAL David Edgerton

SWIFT OPERATOR _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7-23-17 PAGE NO.

CUSTOMER *Stewart Producers* WELL NO. *# 3* LEASE *Sutton* JOB TYPE *Long String* TICKET NO. *30442*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1630							On location
								Csg- 5 1/2 x 155 # RTD- 4400 LTD- 4402 Centralizers- 1,2,4,6,8,10,12,14,16 # 66 Baskets- 14 # 67 Port Collar- 67 e 11612 Baffle- 4359
	1810							Start Running Csg
<i>2025</i>	1810							Break Circ on Bottom
	2125	2	7					Plug mat hole 30 sks
		5	12			300		pump mud flush - 500 gal
		5	20			300		pump Kill Spacer
	2135	5	0			300		Start Cmt - SMD @ 12.5 ppg
		5	36					Switch to KA-2 @ 15.5 ppg
	2150	5	60					End Cmt
								Drop plug - Wash p & l
	2155	6	0					Start Nisp
	2215	5	104					Land plug Lift psi - Land psi - 1800 #
								Release psi - Dry
								Thank David, Austin & Trace
								* Gauge wasn't working For Displacement