

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	MORRISON 1-26
Doc ID	1709846

All Electric Logs Run

DIL
MEL
Sonic
CN/D/PE

Form	ACO1 - Well Completion
Operator	Stewart Producers, Inc.
Well Name	MORRISON 1-26
Doc ID	1709846

Tops

Name	Top	Datum
Cim. Anh.	1875	741
Base Anh.	1916	700
Heebner	3922	-1306
Lansing	3964	-1348
Stark	4237	-1621
Pawnee	4426	-1810
Ft. Scott	4485	-1869
Cherokee	4506	-1890
Mississippian	4591	-1975

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

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

Well Name: Morrison # 1-26
API: 15-135-26194
Location: Section 26 - T19S - R26W
License Number: 34996
Spud Date: 11 / 14 / 2022
Surface Coordinates: 428' FNL and 505' FWL
Approx. SE - NW - NW - NW
Region: Ness Co., KS
Drilling Completed: 11 / 20 / 2022
Bottom Hole Coordinates:
Ground Elevation (ft): 2609' K.B. Elevation (ft): 2616'
Logged Interval (ft): 4200' To: 4660' Total Depth (ft): 4660'
Formation: Mississippian
Type of Drilling Fluid: Chemical - Mud-Co

Printed by MudLog 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: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	Smith	15-15-15	221	221	3.5
2	7-7/8	Smith MDSi516 RR	5 14'S	4660	4439	50.75

SURVEYS: 221'-.25, 787'-.75, 1292'-.75, 1860'-.75, 2429'-.5, 2839'-.75, 4610'-1, 4660'-.75

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 12,000 lbs. on bit and approx 80-90 RPM.
Running 7 stands of collars; 429.10'
Pumping 60 SPM; approx 800-900 psi at standpipe.

Daily Status

11/14/22 - Spud at 7:30pm. Ran 5 jts of new 8 5/8" 23# casing set at 220'(tally 220'). Cem w/ 150 sx 3% cc & 2% gel. Circulated 10 sx to reserve pit. PD @ 2:30am 11/15/22

11/15/22 - WOC @ 221'

11/16/22 - Drilling @ 2144'

11/17/22 - Drilling @ 3155'

11/18/22 - Drilling @ 4071'

11/19/22 - CTCH @ 4610', DST #1 4552'-4610'

11/20/22 - Logging. RTD @ 4660'. LTD @ 4660'. DST #2, straddle test, 4551'-4605'

11/21/22 - Ran 110 jts of 5.5" 15.5# casing set at 4655'. Ran baffle at 4634', baskets at 1927' & 1969' w/ port collar at 1927'. Used 6 centralizers. Cem w/ 125 sx HDL w/ good circulation throughout. Landed plug at 10:45am.

DST #1 MISS 4552'-4610'

15" - 30" - 30" - 60"

IF: BOB in 7 min. Built to 25.94"

ISI: No blow back

FF: BOB in 8 min. Built to 44.75"

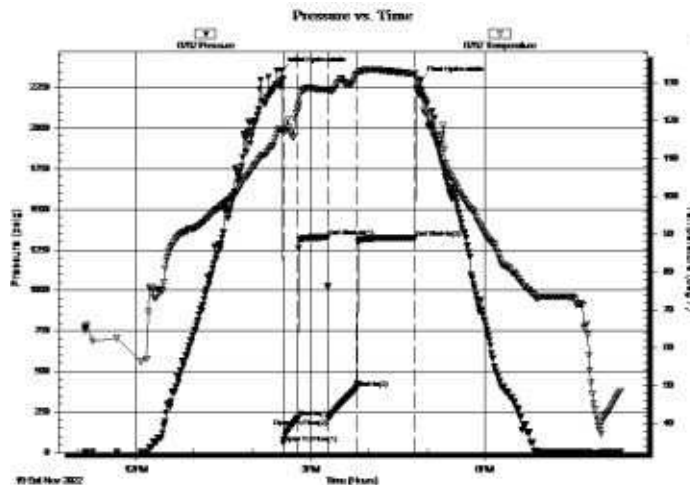
FSI: No blow back

Rec'd: 122' SOMCW (4% O, 10% M, 86% W), 186' OWCM (8% O, 42% W, 50% M), 373' OWCM (10% O, 30% W, 60% M), 48' OWCM (16% O, 40% W, 44% M), 2' CO, 10' GIP

SIP: 1327-1325#

FP: 58-212#, 210-398#

HP: 2357-2295#



DST #2 MISS Straddle Test

4551' - 4605'

15" - 30" - 30" - 60"

IF: Fair blow. Built to 7.51"

ISI: No blow back

FF: Fair blow. Built to 10.79"

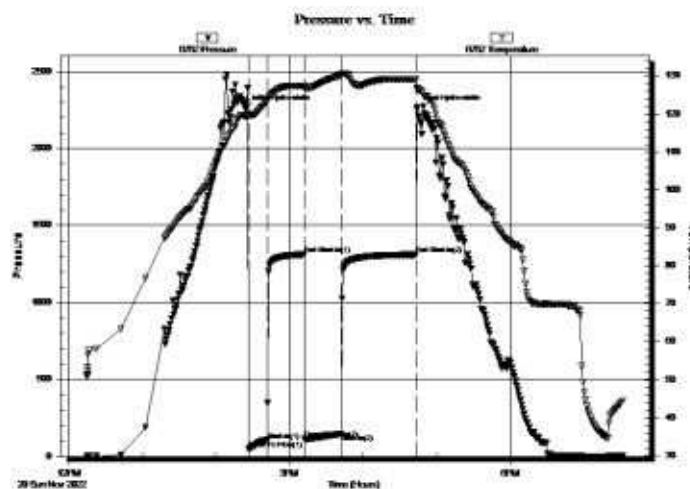
FSI: No blow back

Rec'd: 61' SOWCM (4% W, 6% O, 90% M), 185' OCM (20% O, 80% M), 5' CO

SIP: 1311-1311#

FP: 48-106#, 115-147#

HP: 2258-2258#



ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Slst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Slstn
	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
- Sltly

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
- Cryxin
- Earthy
- Finexln
- Grainst
- 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

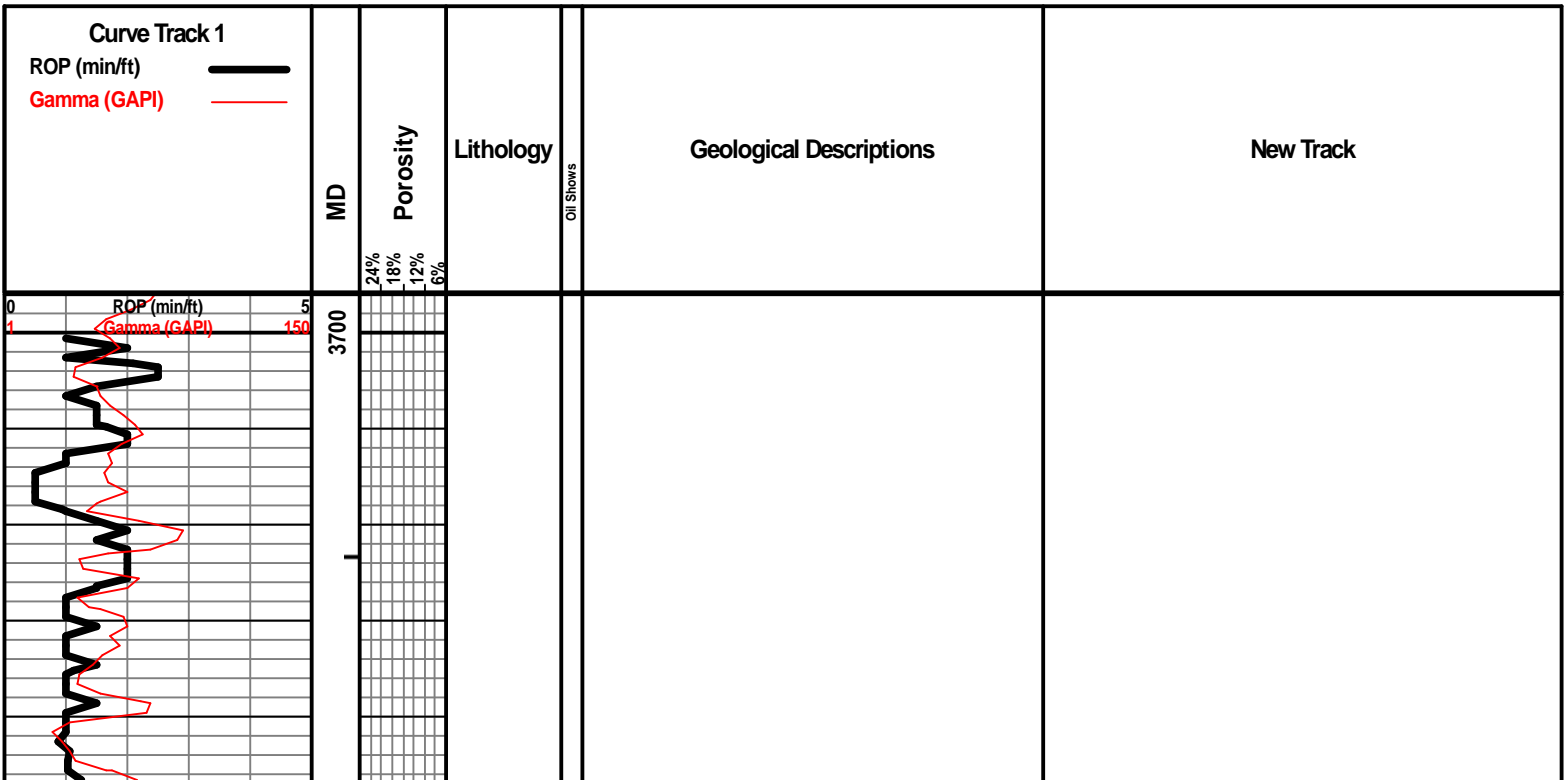
INTERVALS

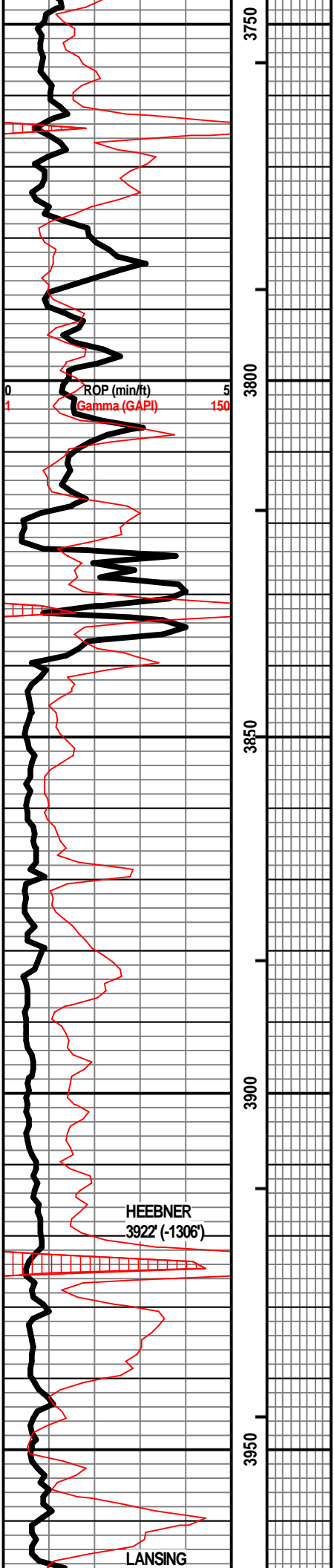
- Core
- Dst

- Dst

EVENTS

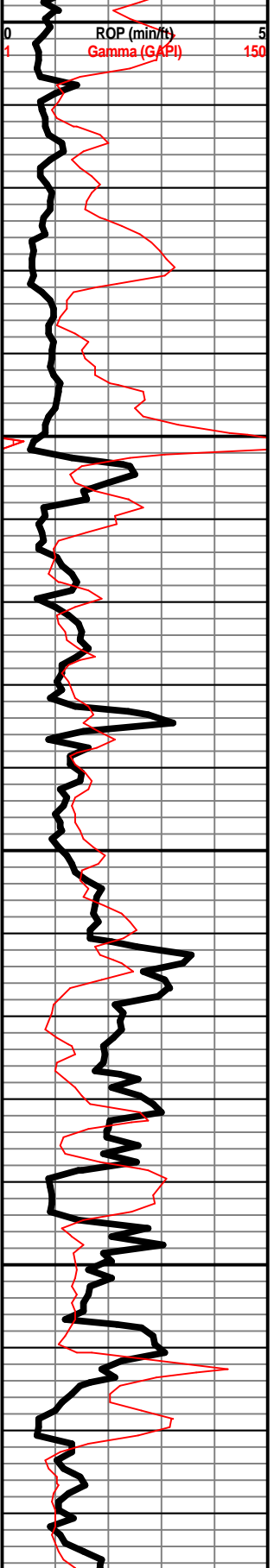
- Rft
- Sidewall
- Conn





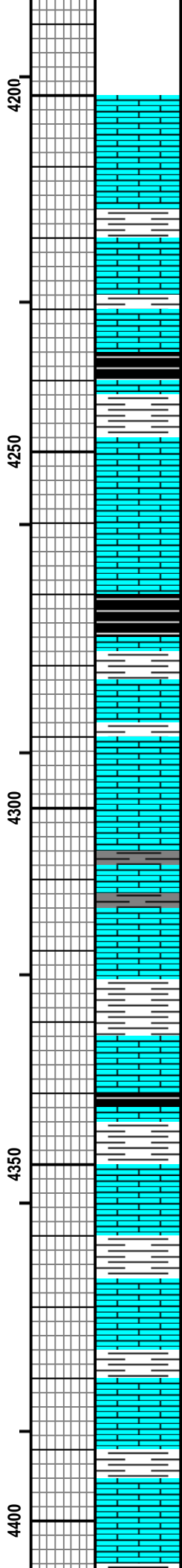
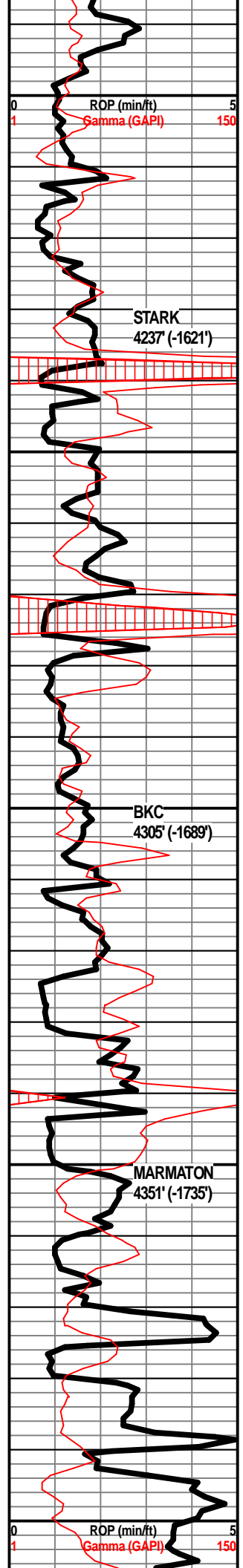
WT 8.8
VIS 54
LCM 2#

3964' (-1348')



WT 9.1
VIS 60
LCM 2#

WT 9.1
VIS 58
LCM 2#



LS - CRM/TAN/GY IN PT, PRED F/M XLN, MOD DNS
/FOSS, SUBCHKY/CHKY IN PT, W/SH - GY

SH - BLK, CARB, SLI SHO OF GAS IN PT, W/LS - CRM
/TAN/LT GY, F XLN, MOD DNS, ABUND FOSS

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

LS - CRM/TAN, F/VF XLN, PRED MOD DNS,
SUBCHKY IN PT, POOLMOLDIC POR IN PT, NS

SH - BLK, CARB, V SLI SHO OF GAS, W/LS - CRM/
TAN, F/VF XLN, MOD DNS/SUBCHKY, W/SH - GRN/
GY

LS - CRM/WHT, VF XLN, SUBCHKY/CHKY, VCHKY
IN PT, W/SH - GY/GRN/BRN

LS - CRM/TAN, VF XLN, PRED SUBCHKY/MOD DNS
IN PT, W/SH - GRN/GY

LS - CRM/TAN/GY, VF/F XLN, MOD DNS/
SUBCHKY IN PT, W/SH - DK GY/BLK

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

SH - GRN/MAR/BRN, PYRITIC IN PT, SLTY IN PT

SH - BLK, CARB, W/LS - CRM/TAN, F XLN, MOD
DNS, W/SH - GRN/GY

LS - CRM/TAN/GY IN PT, F/M XLN, MOD DNS/DNS,
W/SH - GRN/GY

SH - GRN/GY/MAR/RD-ORNG, W/LS - CRM/TAN,
VF XLN, PRED MOD DNS, SUBCHKY IN PT

LS - CRM VF XLN, SUBCHKY, W/SH - GRN/GR/MAR
/RD-ORNG, W/SCAT CHT - CRM/TAN, OPAQ, FRSH,
FOSS IN PT

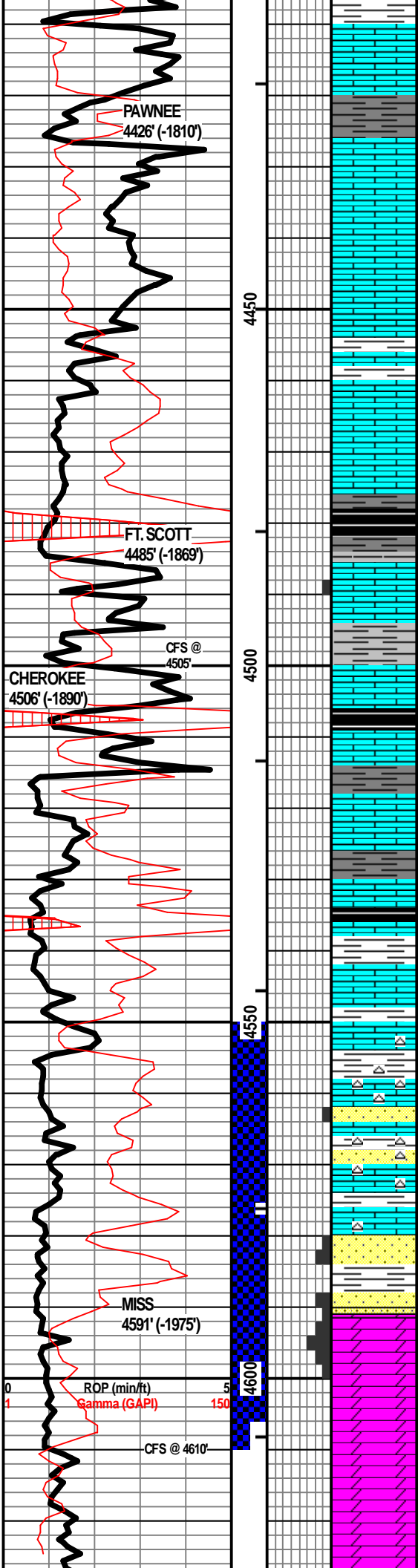
SH - MAR/GRN/GY, W/LS - CRM, VF XLN,
SUBCHKY/MOD DNS, W/SCAT CHT - CRM/TAN,
OPAQ, FRSH, FOSS IN PT

LS - CRM/TAN, F/VF XLN, MOD DNS/SUBCHKY IN
PT, W/SH - MAR/GRN/GY

LS - CRM/TAN, PRED F/M XLN, DNS, VF XLN IN PT,

WT 8.9
VIS 60
LCM 2#

WT 9.1
VIS 56
LCM 4#



SUBCHKY IN PT, W/SH - GRN / GY / RD-ORNG

LS - CRM, VF XLN, SUBCHKY, W/SH - GRN / GY

LS - CRM/TAN/GY, F/M XLN, MOD DNS/DNS, FOSS, W/SH - DK GY/BLK

LS - CRM/TAN/LT GY, F XLN, DNS/MOD DNS

LS - LT GY, F XLN, DNS/MOD DNS

LS - CRM/TAN, F XLN, MOD DNS/DNS, W/SH - GRN /GY, PYRITIC IN PT, FOSS IN PT

LS - CRM/TAN/GY, F XLN/VF XLN IN PT, MOD DNS, W/SH - MAR GRN /RD-ORNG IN PT

SH - DK GY/BLK, W/LS - TAN /CRM, F/M XLN, MOD DNS/DNS

LS - TAN /CRM, F /M XLN, DNS, ABUND OF FOSS IN PT, P INTERPART, INTERXLN, & VUG POR IN FEW PIECES, VSSFO, V LT BRN OIL, SLI SHO OF GAS, BRI YEL-GRN FLUOR IN SHO ROCKS

LS - TAN /CRM, F /M XLN, DNS/MOD DNS, FOSS IN PT, PYRITIC IN PT, W/SH - GY

SH - BLK, CARB, W/LS - CRM, VF /F XLN, MOD DNS/SUBCHKY, W/SH - GRY

LS - CRM, VF XLN, MOD DNS/SUBCHKY, W/SH - DK GY/BLK

LS CRM/TAN, F /VF XLN, MOD DNS/SUBCHKY, W/SH - GY/BLK

LS - CRM, VF XLN, PRED SUBCHKY, MOD DNS IN PT, W/SH - GRN /GY, SLTY IN PT

LS - LT GY, F XLN, MOD DNS, W/ ABUND CHT - WHT / TAN, OPAQ, FRSH, FOSS IN PT, W/SH - GRN /GY, W/ FEW PIECES OF SCAT SS - CLR /BRN, VF /F GR, SUB-RND, MOD SRTD, FRI, SSSFO, LT BRN OIL

SH - GRN /GY, SLTY IN PT, W/LS - TAN /GY, F XLN, MOD DNS/DNS

DOLO - GY / TAN, F XLN, ABUND FOSS, SNDY IN PT, P /F INTERXLN & INTERPART POR, VUG POR IN PT, GSFO WHEN BRKN, LT BRN OIL, TITE, BRI YEL-GRN FLUOR IN SHO ROCKS, W/ SCAT SS - CLR / BRN, VF / F GR, SUB-ANG / SUB-RNG, P SRTD, W CEM DNS, P / F INTERGR POR IN PT, SSSFO

DOLO - LT GY, F XLN, MOD DNS/SUBCHKY, NO VIS POR, NS, W/SCAT DOLO - WHT, V CHKY

DOLO - WHT, V CHKY, W/ SCAT DOLO - LT GY, F XLN, MOD DNS

WT 9.3
VIS 54
LCM 3#

DST #1 MISS
4552'-4610'
15" - 30" - 30" - 60"

WT 9.5
VIS 52
LCM 2#

IF: BOB in 7 min. Built to 25.94"
ISI: No blow back
FF: BOB in 8 min. Built to 44.75"
FSI: No blow back

Rec'd: 122' SOMCW (4%O, 10%M, 86%W), 186' OWCM (8%O, 42%W, 50%M), 373' OWCM (10%O, 30%W, 60%M), 48' OWCM (16%O, 40%W, 44%M), 2' CO, 10' GIP

SIP: 1327-1325#
FP: 58-212#, 210-398#
HP: 2357-2295#

STRAP .70 LONG TO BOARD

DST #2 MISS
Straddle Test
4551' - 4605'
15" - 30" - 30" - 60"

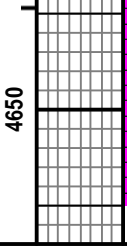
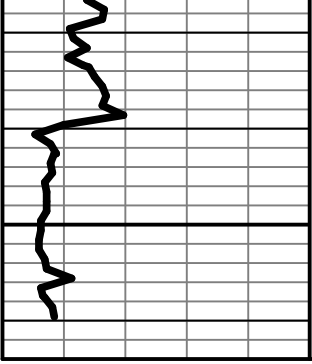
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FSI: No blow back

Rec'd: 61' SOWCM (4%W, 6%O, 90%M), 185' OCM (20%O, 80%M), 5' CO

SIP: 1311-1311#
FP: 48-106#, 115-147#
HP: 2258-2258#

WT 9.4
VIS 55
LCM 2#

WT 9.3
VIS 70
LCM 4#



DOLO - LT GY /WHT, V CHKY, W/ SCAT DOLO - TAN /
LT GY, F XLN, MOD DNS

LS - LT GY /TAN, F XLN, DNS /MOD DNS, W/ABUND
DOLO - LT GY /WHT, V CHKY

RTD 4660'

WT 9.4
VIS 52
LCM 3#

JOB LOG

SWIFT Services, Inc.

DATE 12/6/2020	PAGE NO. 1
TICKET NO. 34899	

CUSTOMER Stewart Producers		WELL NO. 1-26		LEASE Morrison		JOB TYPE Port Collar		TICKET NO. 34899	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1300								ON LOCATION 2 3/8" x 5 1/2"
									PC: 1927'
	1305 1310	Ø	-		✓		1,000		P Test BS to 1,000 PSI *Hold* Open PC
	1315	3 1/2	3		✓		500		INJECTION RATE
	1320	3 1/2	95		✓		Avg 500		Mix 175 sks of SMD 1/4" Flo @ 11.2 ppg *CIRCULATE CEMENT TO SURFACE*
	1350 1355	3	7		✓		600		Displace Cement Close PC
	1400	Ø	-		✓		1,000		P Test on Eb to 1,000 PSI *Hold* Run 4 Jts
	1410	3	20		✓		450		Reverse Clean
	1420 1445								Wash up Truck #115 Job Complete
									175 sks of SMD 1/4" Flo used *Approx 10 sks to the Pit*
									Thanks!
									Gideon Mack, Brett



DRILL STEM TEST REPORT

Prepared For: **Stewart Producers Inc**

PO Box 546
Mt Vernon, IL 62864

ATTN: Aaron Young

Morrison #1-26

26-19S-26W Ness,KS

Start Date: 2022.11.19 @ 11:08:00

End Date: 2022.11.19 @ 20:20:02

Job Ticket #: 69574 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.11.22 @ 13:58:37



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stewart Producers Inc

26-19S-26W Ness,KS

PO Box 546
Mt Vernon, IL 62864

Morrison #1-26

Job Ticket: 69574

DST#: 1

ATTN: Aaron Young

Test Start: 2022.11.19 @ 11:08:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:32:02

Time Test Ended: 20:20:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 72

Interval: 4552.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 2616.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

2609.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 6752

Inside

Press@RunDepth: 398.47 psig @ 4597.00 ft (KB)

Capacity: psig

Start Date: 2022.11.19

End Date:

2022.11.19

Last Calib.:

2022.11.19

Start Time: 11:08:01

End Time:

20:20:02

Time On Btm:

2022.11.19 @ 14:30:47

Time Off Btm:

2022.11.19 @ 16:53:02

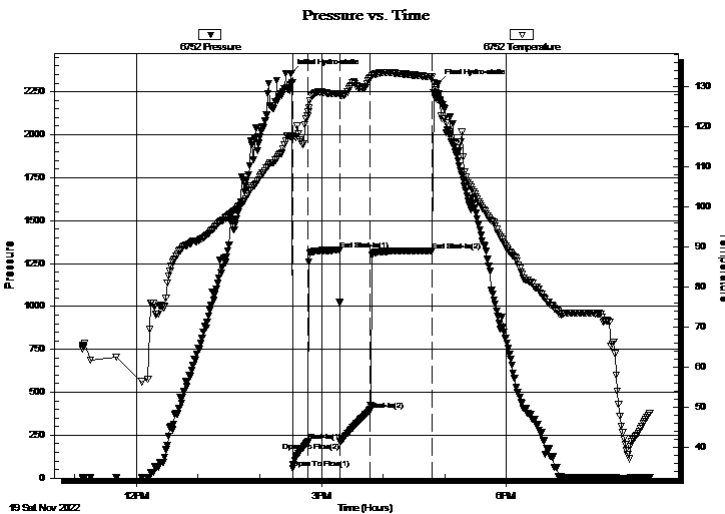
TEST COMMENT: IF: Strong Blow , BOB in 7 minutes, Built to 25.94"

IS: No Blow Back

FF: Strong Blow , BOB in 8 minutes, Built to 44.75"

FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2356.85	117.36	Initial Hydro-static
2	58.13	117.20	Open To Flow (1)
17	212.31	123.58	Shut-In(1)
47	1327.17	128.10	End Shut-In(1)
48	210.81	127.82	Open To Flow (2)
77	398.47	132.06	Shut-In(2)
137	1325.09	132.34	End Shut-In(2)
143	2294.90	127.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	SOMCW 4%O 10%M 86%W	0.60
186.00	OWCM 8%O 42%W 50%M	2.61
373.00	OWCM 10%O 30%W 60%M	5.23
48.00	OWCM 16%O 40%W 44%M	0.67
2.00	Clean Oil	0.03
0.00	10' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stewart Producers Inc

26-19S-26W Ness,KS

PO Box 546
Mt Vernon, IL 62864

Morrison #1-26

Job Ticket: 69574

DST#: 1

ATTN: Aaron Young

Test Start: 2022.11.19 @ 11:08:00

Tool Information

Drill Pipe:	Length: 4422.00 ft	Diameter: 3.80 inches	Volume: 62.03 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 62.63 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4552.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4528.00	
Hydraulic tool	5.00			4533.00	
Jars	5.00			4538.00	
EM Tool	3.00			4541.00	
Safety Joint	2.00			4543.00	
Packer	5.00			4548.00	29.00 Bottom Of Top Packer
Packer	4.00			4552.00	
Stubb	1.00			4553.00	
Perforations	6.00			4559.00	
Change Over Sub	1.00			4560.00	
Drill Pipe	31.00			4591.00	
Change Over Sub	1.00			4592.00	
Handling Sub	5.00			4597.00	
Recorder	0.00	6752	Inside	4597.00	
Recorder	0.00	8365	Outside	4597.00	
perforations	10.00			4607.00	
Bullnose	3.00			4610.00	58.00 Bottom Packers & Anchor
Total Tool Length:	87.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Producers Inc

26-19S-26W Ness,KS

PO Box 546
Mt Vernon, IL 62864

Morrison #1-26

Job Ticket: 69574

DST#: 1

ATTN: Aaron Young

Test Start: 2022.11.19 @ 11:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

45000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	SOMCW 4%O 10%M 86%W	0.600
186.00	OWCM 8%O 42%W 50%M	2.609
373.00	OWCM 10%O 30%W 60%M	5.232
48.00	OWCM 16%O 40%W 44%M	0.673
2.00	Clean Oil	0.028
0.00	10' GIP	0.000

Total Length: 731.00 ft Total Volume: 9.142 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

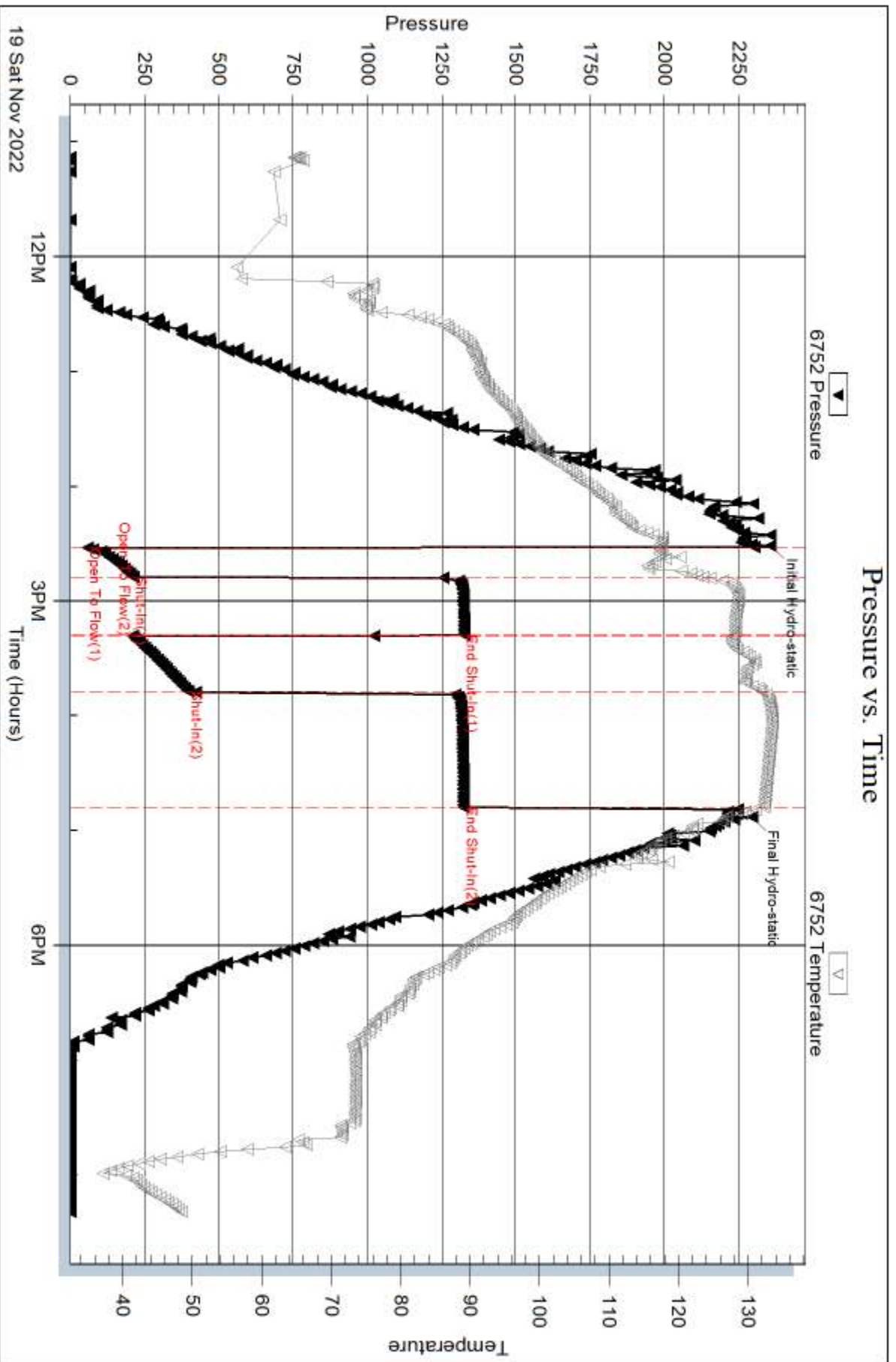
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity was 33.8 @ 44 degrees
RW was .25 @ 46 degrees

Pressure vs. Time

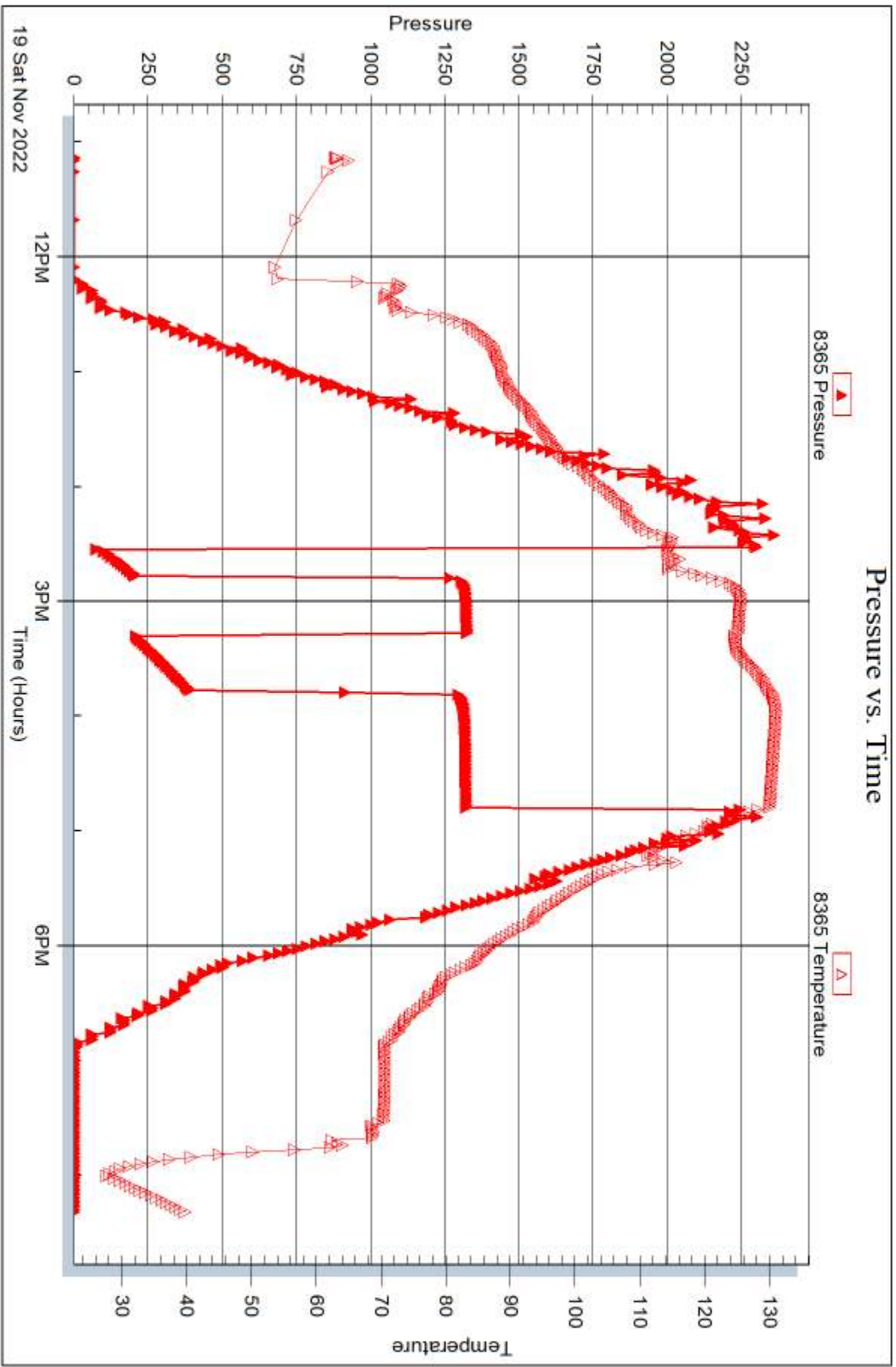


Serial #: 8365

Outside Stew art Producers Inc

Morrison #1-26

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 69574

Printed: 2022.11.22 @ 13:58:38



DRILL STEM TEST REPORT

Prepared For: **Stewart Producers Inc**

PO Box 546
Mt Vernon, IL 62864

ATTN: Aaron Young

Morrison #1-26

26-19S-26W Ness,KS

Start Date: 2022.11.20 @ 12:15:00

End Date: 2022.11.20 @ 19:31:02

Job Ticket #: 69575 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.11.22 @ 13:56:22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stewart Producers Inc

26-19S-26W Ness,KS

PO Box 546
Mt Vernon, IL 62864

Morrison #1-26

Job Ticket: 69575

DST#: 2

ATTN: Aaron Young

Test Start: 2022.11.20 @ 12:15:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:26:47

Time Test Ended: 19:31:02

Test Type: Conventional Straddle (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 4551.00 ft (KB) To 4605.00 ft (KB) (TVD)

Reference Elevations: 2616.00 ft (KB)

Total Depth: 4660.00 ft (KB) (TVD)

2609.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 6752

Inside

Press@RunDepth: 147.20 psig @ 4596.00 ft (KB)

Capacity: psig

Start Date: 2022.11.20

End Date:

2022.11.20

Last Calib.:

2022.11.20

Start Time: 12:15:01

End Time:

19:31:02

Time On Btm:

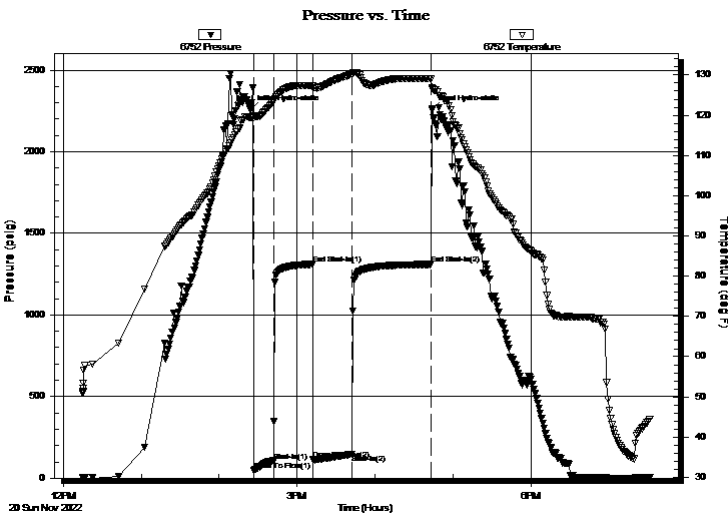
2022.11.20 @ 14:24:17

Time Off Btm:

2022.11.20 @ 16:43:32

TEST COMMENT: IF: Fair Blow , Built to 7.51"
IS: No Blow Back
FF: Fair Blow , Built to 10.79"
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.22	119.39	Initial Hydro-static
3	48.12	119.44	Open To Flow (1)
18	105.92	123.31	Shut-In(1)
48	1311.07	127.23	End Shut-In(1)
48	114.60	126.89	Open To Flow (2)
78	147.20	130.20	Shut-In(2)
139	1310.86	129.01	End Shut-In(2)
140	2258.29	126.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	SOWCM 4%W 6%O 90%M	0.30
185.00	OCM 20%O 80%M	2.04
5.00	Clean Oil	0.07

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stewart Producers Inc
 PO Box 546
 Mt Vernon, IL 62864
 ATTN: Aaron Young

26-19S-26W Ness,KS
Morrison #1-26
 Job Ticket: 69575 **DST#: 2**
 Test Start: 2022.11.20 @ 12:15:00

GENERAL INFORMATION:

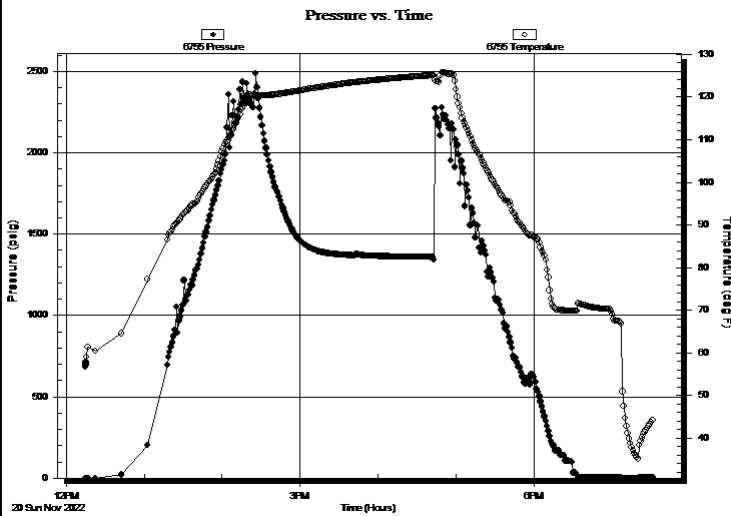
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:26:47
 Time Test Ended: 19:31:02
 Interval: **4551.00 ft (KB) To 4605.00 ft (KB) (TVD)**
 Total Depth: 4660.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 2616.00 ft (KB)
 2609.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6755

Below (Straddle)

Press@RunDepth: psig @ 4619.00 ft (KB) Capacity: psig
 Start Date: 2022.11.20 End Date: 2022.11.20 Last Calib.: 2022.11.20
 Start Time: 12:15:01 End Time: 19:31:02 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Fair Blow , Built to 7.51"
 IS: No Blow Back
 FF: Fair Blow , Built to 10.79"
 FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
61.00	SOWCM 4%W 6%O 90%M	0.30
185.00	OCM 20%O 80%M	2.04
5.00	Clean Oil	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stewart Producers Inc

26-19S-26W Ness,KS

PO Box 546
Mt Vernon, IL 62864

Morrison #1-26

Job Ticket: 69575

DST#: 2

ATTN: Aaron Young

Test Start: 2022.11.20 @ 12:15:00

Tool Information

Drill Pipe:	Length: 4422.00 ft	Diameter: 3.80 inches	Volume: 62.03 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.63 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4551.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	4605.00 ft			
Interval between Packers:	54.00 ft			
Tool Length:	133.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			4527.00	
Hydraulic tool	5.00			4532.00	
Jars	5.00			4537.00	
EM Tool	3.00			4540.00	
Safety Joint	2.00			4542.00	
Packer	5.00			4547.00	29.00 Bottom Of Top Packer
Packer	4.00			4551.00	
Stubb	1.00			4552.00	
Perforations	6.00			4558.00	
Change Over Sub	1.00			4559.00	
Drill Pipe	31.00			4590.00	
Change Over Sub	1.00			4591.00	
Handling Sub	5.00			4596.00	
Recorder	0.00	6752	Inside	4596.00	
Recorder	0.00	8365	Outside	4596.00	
perforations	5.00			4601.00	
Blank Off Sub	1.00			4602.00	
Blank Spacing	3.00			4605.00	54.00 Tool Interval
Packer	3.00			4608.00	
Change Over Sub	1.00			4609.00	
Perforations	10.00			4619.00	
Recorder	0.00	6755	Below	4619.00	
Drill Pipe	32.00			4651.00	
Change Over Sub	1.00			4652.00	
Bullnose	3.00			4655.00	50.00 Bottom Packers & Anchor

Total Tool Length: 133.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Producers Inc

26-19S-26W Ness,KS

PO Box 546
Mt Vernon, IL 62864

Morrison #1-26

Job Ticket: 69575

DST#: 2

ATTN: Aaron Young

Test Start: 2022.11.20 @ 12:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35.7 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	SOWCM 4%W 6%O 90%M	0.300
185.00	OCM 20%O 80%M	2.039
5.00	Clean Oil	0.070

Total Length: 251.00 ft Total Volume: 2.409 bbl

Num Fluid Samples: 0

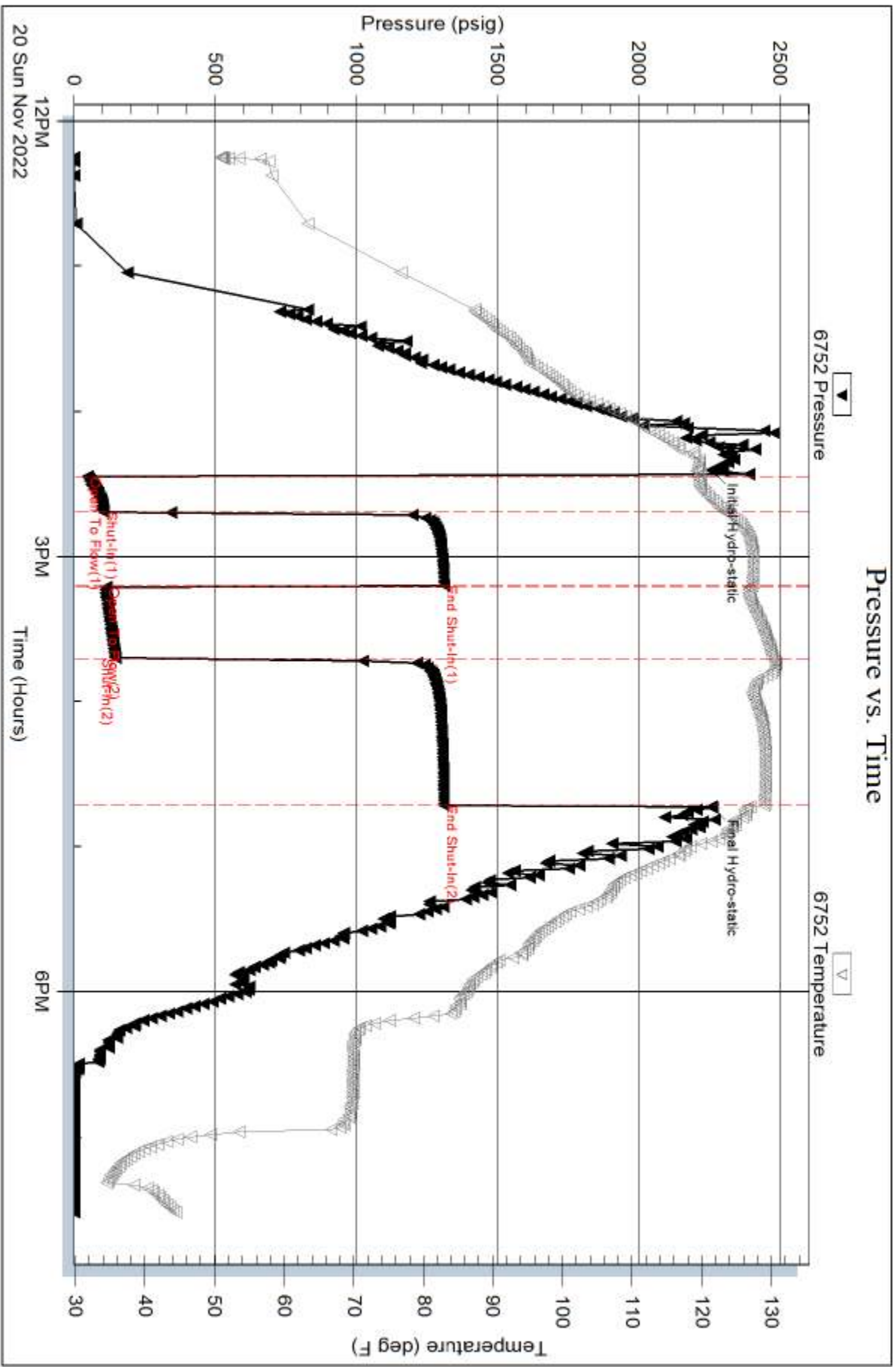
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity was 34.1 @ 44 degrees

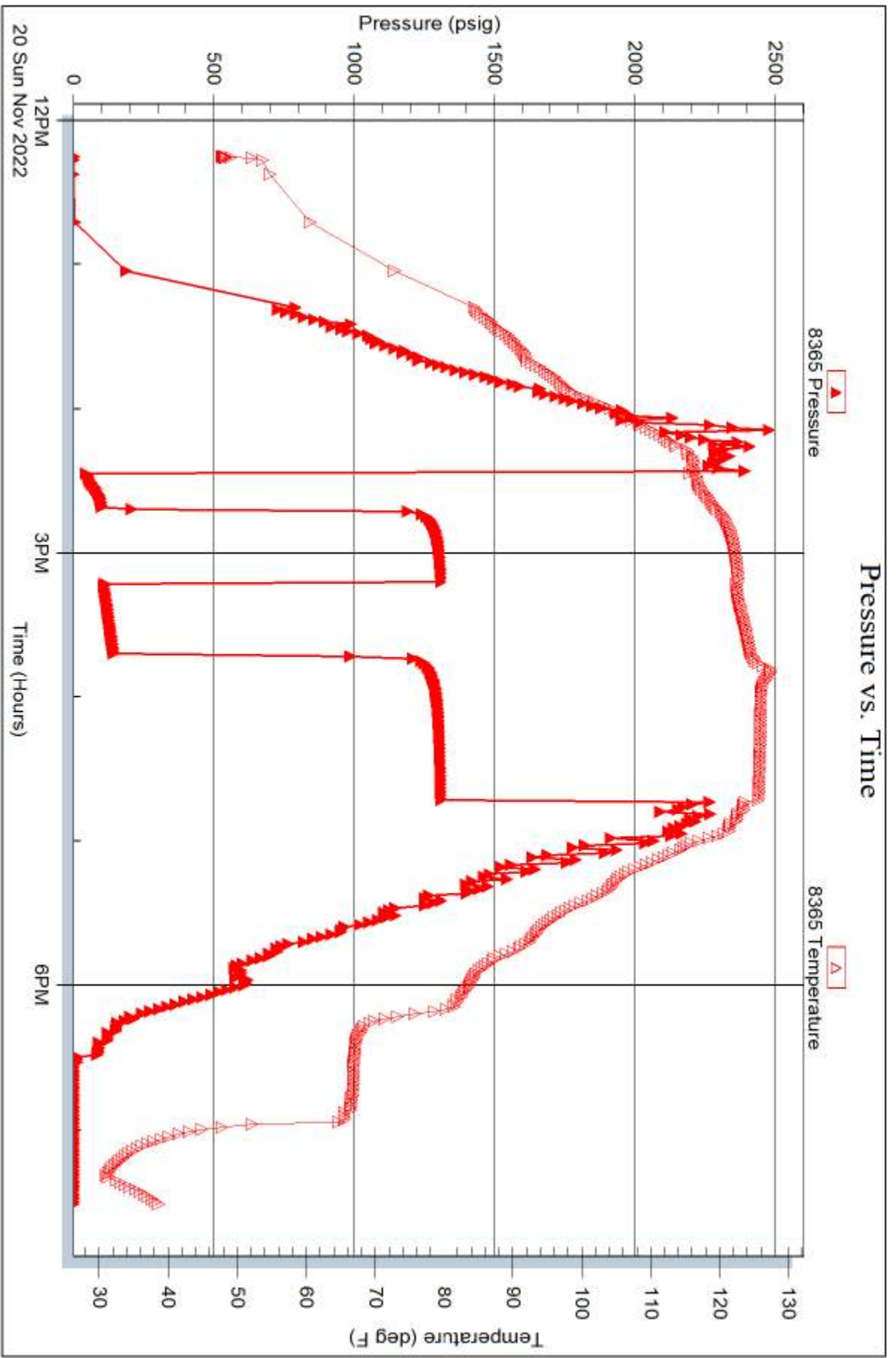


Serial #: 8365

Outside Stew art Producers Inc

Morrison #1-26

DST Test Number: 2

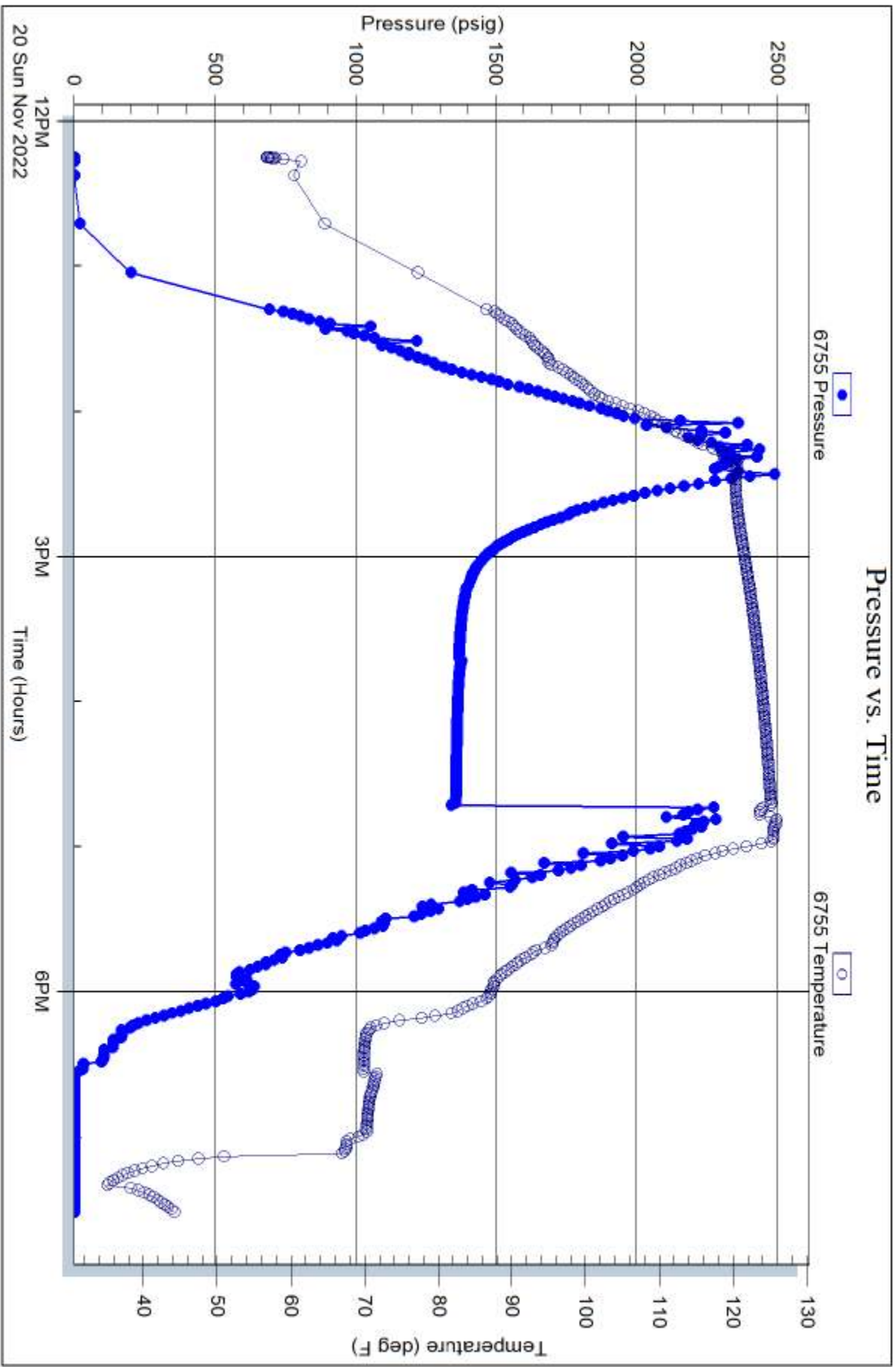


Serial #: 6755

Below (Stratfield) Producers Inc

Morrison #1-26

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69575

Printed: 2022.11.22 @ 13:56:23



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69574

Well Name & No. Morrison 1-26 Test No. 1 Date 11/19/22
 Company Stewart Producers INC Elevation 2616 KB 2609 GL
 Address Po Box 546 Mt. Vernon, IL 62864
 Co. Rep / Geo. Aaron Young Rig Pickrell 10
 Location: Sec. 26 Twp 19S Rge. 26W Co. Ness State KS

Interval Tested 4552 - 4610 Zone Tested Mississippi
 Anchor Length 58 Drill Pipe Run 4422 Mud Wt. 8.9
 Top Packer Depth 4547 Drill Collars Run 122 Vis 60
 Bottom Packer Depth 4552 Wt. Pipe Run 0 WL 7.2
 Total Depth 4610 Chlorides 2500 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 7 minutes, Built to 25.94"
IS: NO Blow Back

FF: Strong Blow, BOB in 8 minutes, Built to 44.75"

FS: No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>GLP</u>				
<u>2'</u>	<u>Clean Oil</u>				
<u>48</u>	<u>OWCM</u>				
<u>559</u>	<u>OWCM</u>	<u>16</u>	<u>40</u>	<u>44</u>	
<u>122</u>	<u>SOMCW</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>731</u>	<u>BHT 133</u>	<u>4</u>	<u>86</u>	<u>10</u>	

Rec Total 731 BHT 133 Gravity 35.4 API RW 25 @ 46 ° F Chlorides 45000 ppm

(A) Initial Hydrostatic 2356 Test 1950 T-On Location 09:30
 (B) First Initial Flow 58 Jars 300 T-Started 11:08
 (C) First Final Flow 212 Safety Joint _____ T-Open 14:32
 (D) Initial Shut-In 1327 Circ Sub _____ T-Pulled 16:47
 (E) Second Initial Flow 211 Hourly Standby _____ T-Out 20:20
 (F) Second Final Flow 398 Mileage (90) Scott City Comments Motel
 (G) Final Shut-In 1325 Sampler 45 78.75 25 43.75
 (H) Final Hydrostatic 2295 Straddle _____ EM Tool _____

Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 66 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2372.50
 Sub Total 2372.50 MP/DST Disc't _____

Approved By _____ Our Representative _____

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.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 69575

Well Name & No. Morrison 1-26 Test No. 2 Date 11/20/22
 Company Stewart Producers Inc Elevation 2616 KB 2609 GL
 Address PO Box 546 Mt. Vernon, IA 62864
 Co. Rep / Geo. Aaron Young Rig Pickvrell 10
 Location: Sec. 26 Twp N5 Rge. 26W Co. Ness State KS

Interval Tested 4551 - 4605 Zone Tested Mississippi
 Anchor Length 54 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 4546 Drill Collars Run 122 Vis 56
 Bottom Packer Depth 4605 Wt. Pipe Run 0 WL 7.2
 Total Depth 4660 Chlorides 2800 ppm System LCM 3

Blow Description IF: Fair Blow, Built to 7.51"
ISI: NO BLOW BACK
FF: Fair Blow, Built to 10.79"
FSI: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>clean oil</u>				
<u>185</u>	<u>OCM</u>		<u>20</u>		<u>80</u>
<u>61</u>	<u>SOWCM</u>		<u>6</u>	<u>4</u>	<u>90</u>
_____	_____				
_____	_____				

Rec Total 251 BHT 130 Gravity 35.7 API RW N/C @ N/C F Chlorides _____ ppm

(A) Initial Hydrostatic 2258 Test 1950 T-On Location 10:00
 (B) First Initial Flow 48 Jars 300 T-Started 12:15
 (C) First Final Flow 106 Safety Joint _____ T-Open 14:26
 (D) Initial Shut-In 1311 Circ Sub _____ T-Pulled 16:42
 (E) Second Initial Flow 115 Hourly Standby _____ T-Out 19:31
 (F) Second Final Flow 147 Mileage (50) 25 43.75 45 78.75 Comments Successful Straddle
 (G) Final Shut-In 1311 Sampler _____ Motel
 (H) Final Hydrostatic 2258 Straddle 800 EM Tool _____

Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 0
 Sub Total 3172.50 Accessibility _____ Total 3172.50
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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.