

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
--	---

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 328

Date	5-18-18	Sec.	23	Twp.	12	Range	21	County	Trego	State	KS	On Location		Finish	10:45pm
Location								Ellis 3N 4W 1/2N Winto							

Lease	Bargner	Well No.	3	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Munfin #24				
Type Job	Surface				
Hole Size	12 1/4	T.D.	218	Charge To	American Oil
Csg.	8 5/8	Depth	217	Street	
Tbg. Size		Depth		City State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	10	Shoe Joint		Cement Amount Ordered 150 8 5/8 3 1/4 2 1/4	

Meas Line	Displace	13 BL			
EQUIPMENT			Common	120	
Pumptrk	20	No.	Cementer	219	
			Helper		
Bulktrk		No.	Driver	21241	
			Driver		
Bulktrk	14	No.	Driver	2124	
			Driver		
			Poz. Mix	30	
			Gel.	3	
			Calcium	6	

JOB SERVICES & REMARKS			Hulls	
Remarks:			Salt	
Rat Hole			Flowseal	
Mouse Hole			Kol-Seal	
Centralizers			Mud CLR 48	
Baskets			CFL-117 or CD110 CAF 38	
DV or Port Collar			Sand	
8 5/8 on bottom Est. Circulation.			Handling	159
Mix 150 3/4 Displace.			Mileage	
Cement Circulated			FLOAT EQUIPMENT 8 5/8	
			Guide Shoe	Swage
			Centralizer	1
			Baskets	
			AFU Inserts	
			Float Shoe	
			Latch Down	
			Pumptrk Charge	Surface
			Mileage	24

X Signature	<i>[Signature]</i>	Tax	
		Discount	
		Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 483

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-24-18	23	12	21	rego	KS		8:30 PM
				Location Ellis 2N 3W 1/2 N W 1/4			

Lease	Well No. #3	Owner
Contractor		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job		
Hole Size	T.D. 40 25	Charge To American Oil
Csg. 5 1/2	Depth 40 23	Street
Tbg. Size	Depth	City State
Tool DV	Depth 16 67'	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered 385 30/20 QMDC 1/4 Flg

Meas Line Displace 39 1/2 bbl

EQUIPMENT			Common
Pumptrk 20	No. Cementer		385 30/20 QMDC
	Helper	Brett	Poz. Mix
Bulktrk	No. Driver	David	Gel.
Bulktrk 19	No. Driver	Jordan	Calcium

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole - 30 sx		Flowseal 100#
Mouse Hole - 15 sx		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Post Collar		Sand
		Handling
		Mileage

Plugged Rat & Mouse		FLOAT EQUIPMENT
Mixed		Guide Shoe
Displaced 39 1/2 bbl H ₂ O		Centralizer
		Baskets
Life pressure @ 600 lbs		AFU Inserts
		Float Shoe
Landed plug @ 1500 lbs		Latch Down
Cement circulated!		

Pumptrk Charge	prod string	TOP
Mileage	24	stage
		Tax
		Discount
		Total Charge

X Signature *Don Weaver*

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

Date	5-24-18	Sec.	23	Twp.	12	Range	21	County	Trego	State	KS	On Location		Finish	5:45 PM
Location								Ellis 2N 3W 1/2 N W into							

Lease	Baughner	Well No.	#3	Owner	To Quality Oilwell Cementing, Inc.
Contractor	Murfin 24	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	Bottom Stage	Charge To	American 0:1		
Hole Size	7 7/8	T.D.	4025		
Csg.	5 1/2	Depth	4023	Street	
Tbg. Size		Depth		City State	
Tool	DV	Depth	1667	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	24'	Shoe Joint	24'	Cement Amount Ordered 150 com 10% salt 5% Uilx	
Meas Line		Displace	95 bbl		

EQUIPMENT

Pumptrk	20	No.	Cementer		Common	150
			Helper	Brett	Poz. Mix	
Bulktrk		No.	Driver	David	Gel	KCL 1 gal
Bulktrk	15	No.	Driver	Jordan	Calcium	

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole		Salt	13
Mouse Hole		Flowseal	
Centralizers	1, 3, 5, 7, 9, 11, 13 + 55	Kol-Seal	750#
Baskets	7, 56	Mud CLR 48	500 gal
DV or Pass Collar	Jr. 56 @ 1667'	CFL-117 or CD110 CAF 38	- 10 bbl
		Sand	
		Handling	170
Ran 97 Jts @	+ Est circulation	Mileage	5 1/2
Mix 500 gal Mud Flash + 10 bbl KCL		FLOAT EQUIPMENT	
Mix 150 sk		Guide Shoe	
Displaced 63 H ₂ O 27 Mud 5 H ₂ O		Centralizer	- 8
		Baskets	- 3
Life pressure @ 700 lbs		AFU Inserts	
Landed @ 1500 lbs		Float Shoe	- 1
		Latch Down	- 1
Open DV Tool @ 1500 lbs		DV Tool	1

Pumptrk Charge *prod string Bottom Stage*
Mileage *24*

Tax
Discount
Total Charge

X Signature *Chris Keenley*

AUSTIN B. KLAUS

Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

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

Well Name: Baugher #3
Location: Trego County
License Number: API #15-195-23056-00-00
Spud Date: 5/17/2018
Surface Coordinates: Section 23, Township 12 South, Range 21 West
1,656' FSL & 1,248' FEL
Bottom Hole Coordinates: Vertical well w/ minimal deviation, same as above
Ground Elevation (ft): 2,272
Logged Interval (ft): 3,200
Formation: LKC-Arbuckle
Type of Drilling Fluid: Chemical (KDT)

Region: Kansas
Drilling Completed: 5/24/2018
K.B. Elevation (ft): 2,277
Total Depth (ft): 4,025
To: RTD

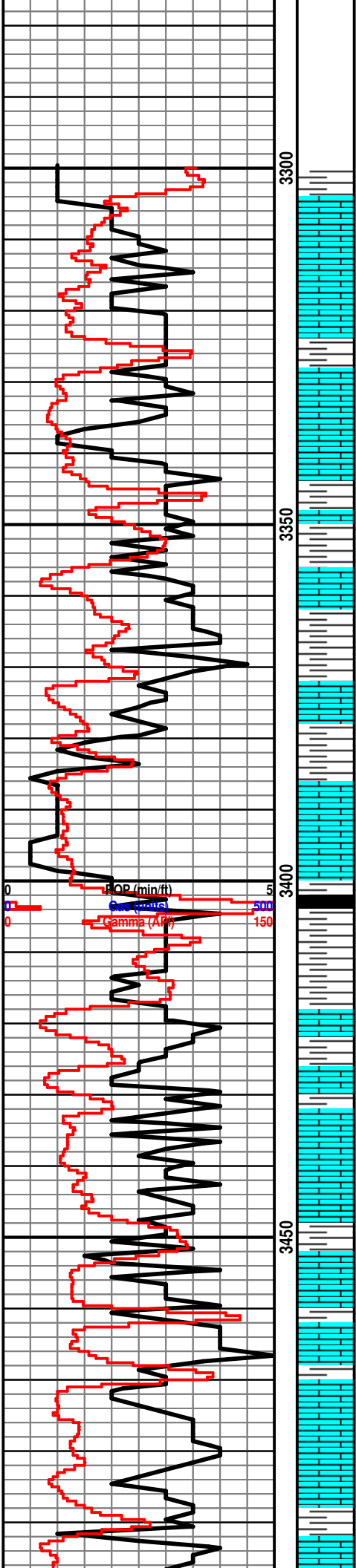
Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: American Oil, LLC
Address: 1200 Main, Suite 410
Hays, KS 67601

GEOLOGIST

Name: Austin Klaus
Company: John O. Farmer, Inc.
Address: 370 W. Wichita Ave.
Russell, KS 67665



Topeka 3305' (-1028)

Ls: off wh-buff, fn xln, NSFO, scat chalk

Sh: drk gry

Ls: off wh-tan, fn xln, poor int part & scat int pp
vuggy porosity, sl-fair oil st, SSFO, sl odor

Sh: drk gry

Ls: tan-buff, fn xln, NSFO, scat chalk

Sh: lt-drk gry

Ls: off wh-tan, fn xln, poor-fair int xln & scat pp
vuggy porosity, NSFO, scat foss

Sh: drk gry-blk

Ls: tan-buff, fn xln, NSFO, scat foss

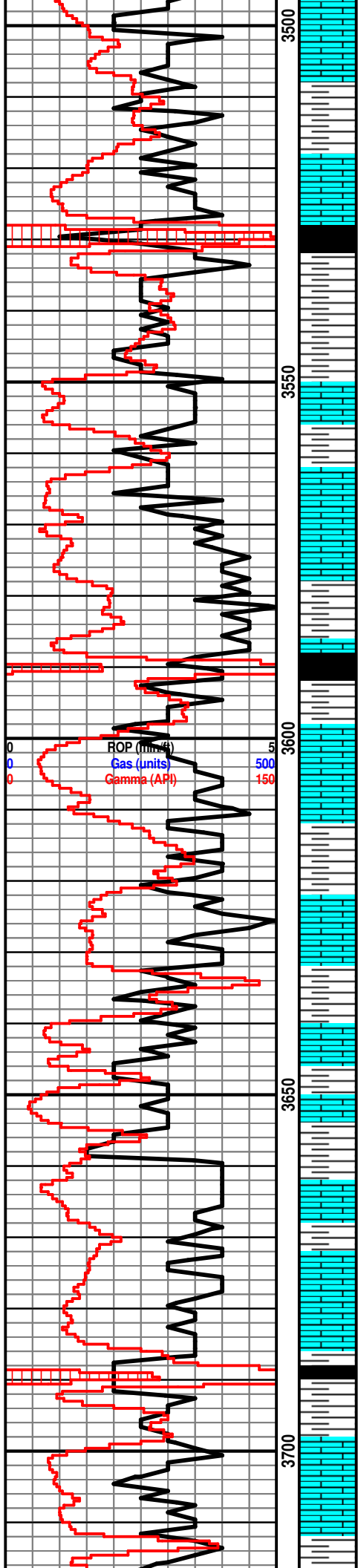
Ls: ala

Sh: lt-drk gry

Sh: drk gry-blk

Ls: tan-lt gry, fn xln, scat int xln porosity, NSFO

Ls: ala



Ls: off wh-tan, fn xln, poor-fair int xln & scat vuggy porosity, NSFO

Sh: lt-drk gry

Heebner 3527' (-1250)
Sh: blk, carb, fissile

Sh: drk gry-brn

Toronto 3550' (-1273)
Ls: off wh-tan, fn xln, foss, poor int foss & vuggy porosity, fair oil stn, SSFO, fair odor, SFO in cup

Sh: lt-drk gry

Lansing 3566' (-1289)
Ls: off wh-tan, fn xln, foss, poor int foss and scat int xln porosity, fair oil stn, SSFO, fair odor, SFO in cup

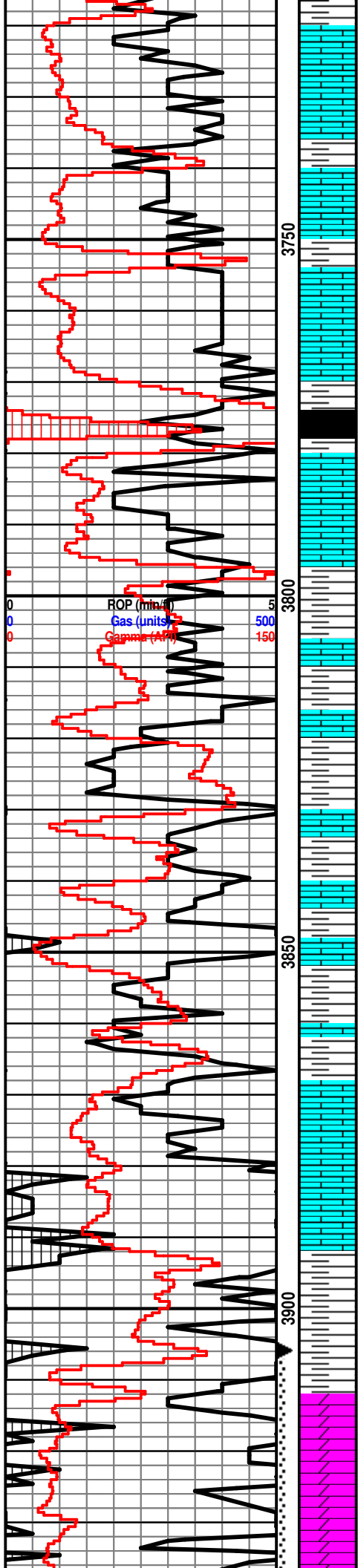
Ls: off wh-tan-brn, fn xln, DNS, NSFO, chert-off wh

Sh: drk gry-blk

Ls: off wh-tan, fn xln, ool, poor-fair ool porosity, fair oil stn in porosity, SSFO, fair odor, SFO in cup

*Poor Sample Quality (large pcs shale)
3,610-3,850

Wt: 9.2
Vis: 48



Wt: 9.4
Vis: 54

B/KC 3818' (-1541)

Sh: drk gry

Sh: ala

Sh: drk gry-brn

Sh: ala

*Rock samples just tiny fragments; first good sample w/ show @ 3,950'.

DST #1 3,906-3,963' Arbuckle
30"-30"-15"-30"

IF: BOB in 9 min
FF: BOB in 12 min

Arbuckle 2040' (-1662)

Arduckle 3940 (-1603)

Rec: 78' GIP, 250' HOCM (35% O, 65% M)

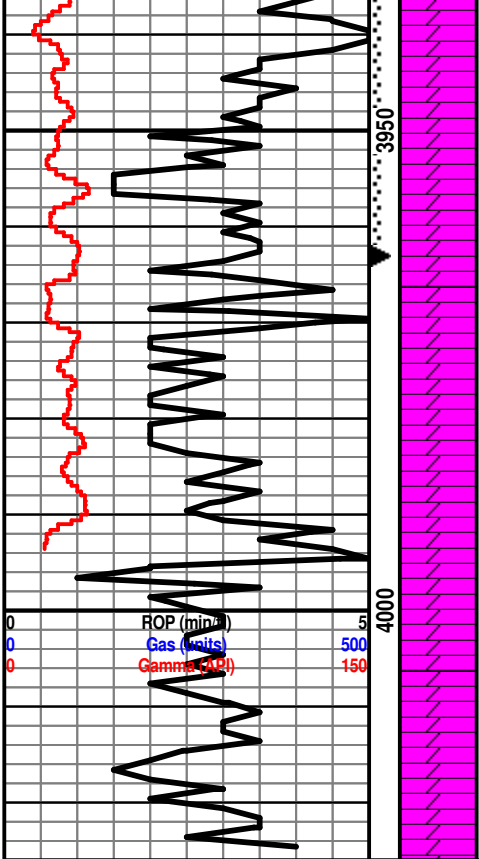
172' CGO, (15% G, 85% O)

FP: 45-134, 154-171#

SIP: 1,174-1,164#

HP: 2,016-1,977#

BHT: 118



Dolo: off wh-tan, fn xln, fair-good sucrosic xln porosity, fair-good oil sat, FSFO, good odor

Dolo: off wh-tan, fn xln, fair-good sucrosic xln & scat int vuggy porosity, fair-good oil sat, FSFO, good odor

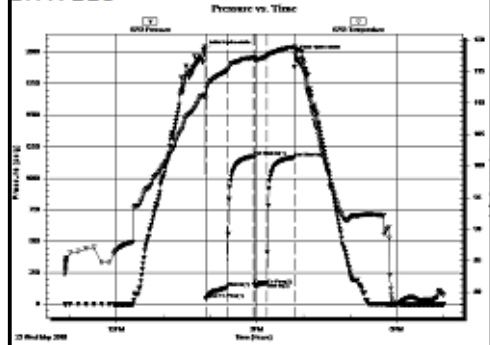
Dolo: off wh-tan, fn-md xln, fair int xln porosity, mostly barren, scat chert-off wh

Dolo: ala

Dolo: off wh-tan, fn xln, fair int xln & scat vuggy porosity, mostly barren, scat chert-off wh, scat sh: drk gry

Dolo: ala

Dolo: off wh-tan, fn-md xln, poor-fair int xln porosity, mostly barren, scat sh: lt gry, scat snd cluster: off wh, rnd, barren





DRILL STEM TEST REPORT

Prepared For: **American Oil, LLC**

1200 Main Suite 410
Hays, KS 67601

ATTN: Austin Klaus

Baughner #3

23-12S-21W Trego,KS

Start Date: 2018.05.23 @ 10:54:19

End Date: 2018.05.23 @ 18:59:49

Job Ticket #: 63441 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.05.24 @ 11:56:40



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Oil, LLC
1200 Main Suite 410
Hays, KS 67601
ATTN: Austin Klaus

23-12S-21W Trego, KS

Baugher #3

Job Ticket: 63441

DST#: 1

Test Start: 2018.05.23 @ 10:54:19

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:54:49
 Time Test Ended: 18:59:49
 Interval: **3906.00 ft (KB) To 3963.00 ft (KB) (TVD)**
 Total Depth: 3963.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2277.00 ft (KB)
 2272.00 ft (CF)
 KB to GR/CF: 5.00 ft

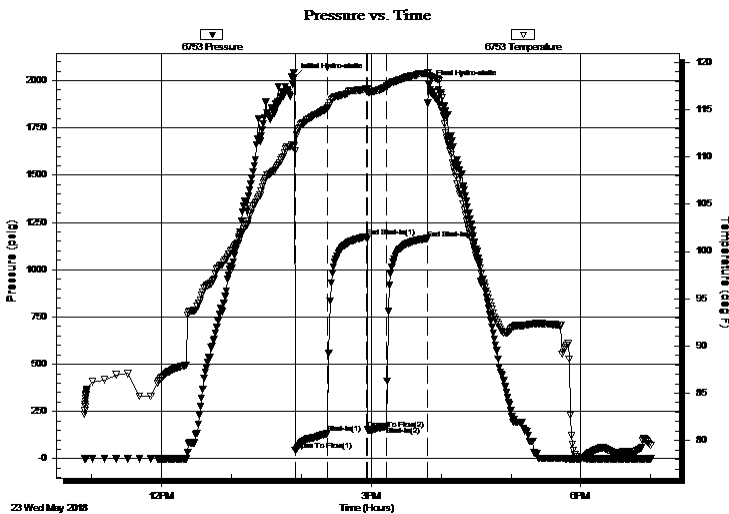
Serial #: 6753

Outside

Press@RunDepth: 171.92 psig @ 3927.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.23 End Date: 2018.05.23 Last Calib.: 2018.05.23
 Start Time: 10:54:24 End Time: 18:59:48 Time On Btm: 2018.05.23 @ 13:54:19
 Time Off Btm: 2018.05.23 @ 15:49:49

TEST COMMENT: 30- IF- BOB 9 mins (26")
 30- IS- Built to 28" then died back to 27"
 15- FF- BOB 12 mins (14")
 30- FSI- Built to 15.5"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.00	111.15	Initial Hydro-static
1	45.07	110.62	Open To Flow (1)
29	134.68	115.15	Shut-In(1)
62	1174.49	117.17	End Shut-In(1)
63	154.01	116.87	Open To Flow (2)
79	171.92	117.38	Shut-In(2)
114	1164.74	118.79	End Shut-In(2)
116	1977.90	118.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	HOCM,35%O 65%M	1.65
172.00	CGO, 15%G 85%O	2.44
0.00	78' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Oil, LLC

23-12S-21W Trego, KS

1200 Main Suite 410
Hays, KS 67601

Baugher #3

ATTN: Austin Klaus

Job Ticket: 63441

DST#: 1

Test Start: 2018.05.23 @ 10:54:19

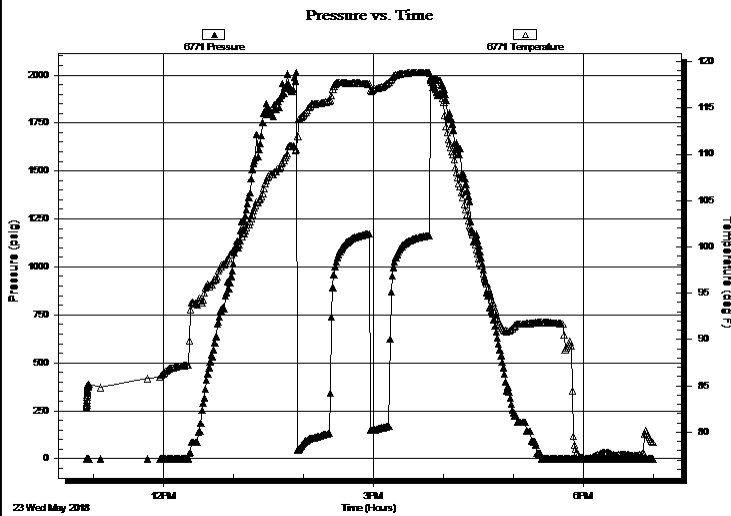
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:54:49
 Time Test Ended: 18:59:49
Interval: 3906.00 ft (KB) To 3963.00 ft (KB) (TVD)
 Total Depth: 3963.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2277.00 ft (KB)
 2272.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771 Inside

Press@RunDepth: psig @ 3927.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.23 End Date: 2018.05.23 Last Calib.: 2018.05.23
 Start Time: 10:54:24 End Time: 18:59:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- BOB 9 mins (26")
 30- IS- Built to 28" then died back to 27"
 15- FF- BOB 12 mins (14")
 30- FS- Built to 15.5"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
250.00	HOCM,35%O 65%M	1.65
172.00	CGO, 15%G 85%O	2.44
0.00	78' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Oil, LLC

23-12S-21W Trego,KS

1200 Main Suite 410
Hays, KS 67601

Baugher #3

Job Ticket: 63441

DST#: 1

ATTN: Austin Klaus

Test Start: 2018.05.23 @ 10:54:19

Tool Information

Drill Pipe:	Length: 3681.00 ft	Diameter: 3.82 inches	Volume: 52.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 205.00 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3906.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3880.00	
Shut In Tool	5.00			3885.00	
Hydraulic tool	5.00			3890.00	
Gap Sub	4.00			3894.00	
Safety Joint	3.00			3897.00	
Packer	5.00			3902.00	27.00 Bottom Of Top Packer
Packer	4.00			3906.00	
Stubb	1.00			3907.00	
Perforations	20.00			3927.00	
Recorder	0.00	6771	Inside	3927.00	
Recorder	0.00	6753	Outside	3927.00	
Change Over Sub	1.00			3928.00	
Drill Pipe	31.00			3959.00	
Change Over Sub	1.00			3960.00	
Bullnose	3.00			3963.00	57.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Oil, LLC

23-12S-21W Trego,KS

1200 Main Suite 410
Hays, KS 67601

Baughner #3

Job Ticket: 63441

DST#: 1

ATTN: Austin Klaus

Test Start: 2018.05.23 @ 10:54:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
250.00	HOCM,35%O 65%M	1.646
172.00	CGO, 15%G 85%O	2.438
0.00	78' GIP	0.000

Total Length: 422.00 ft Total Volume: 4.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

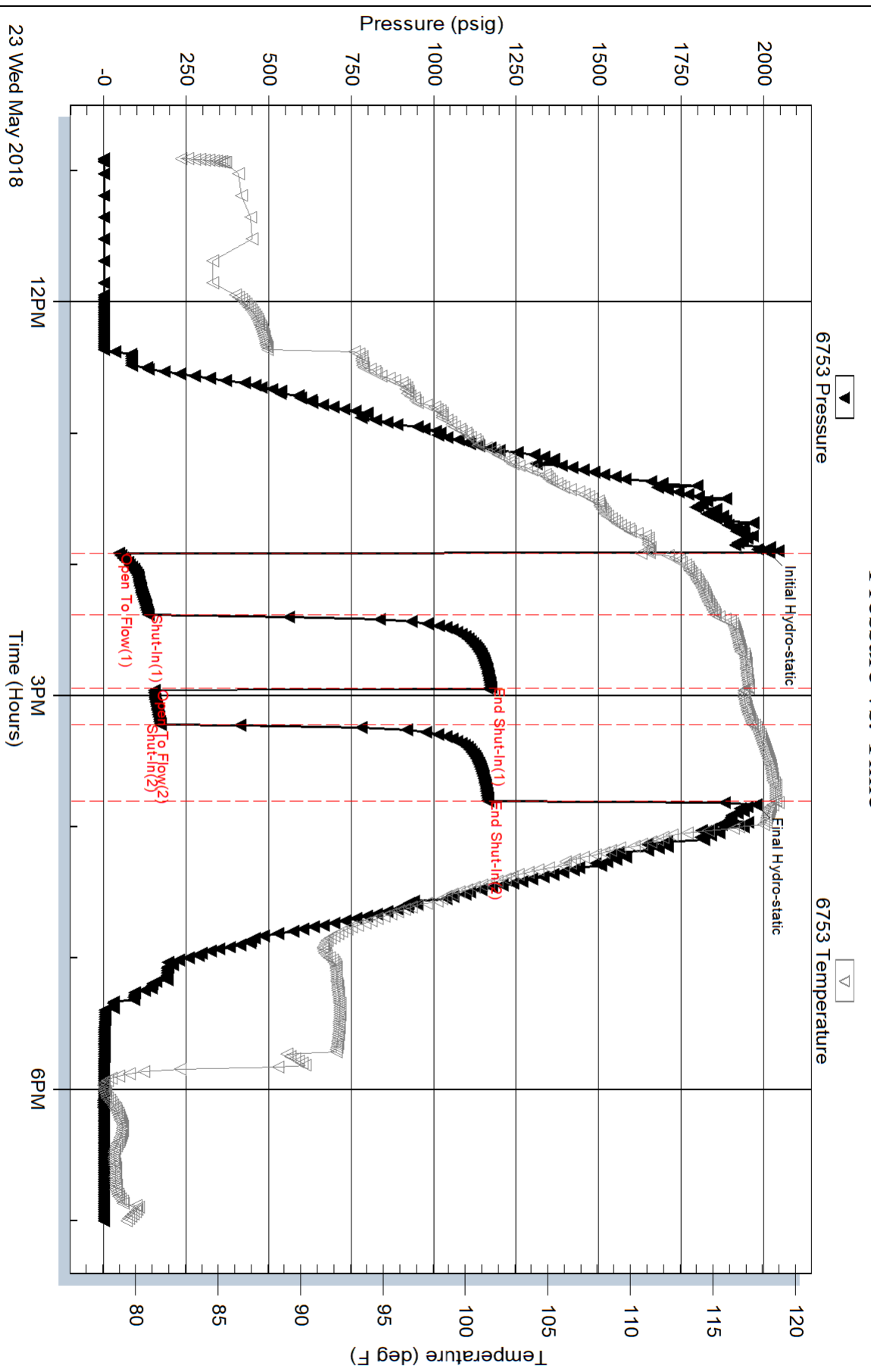
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



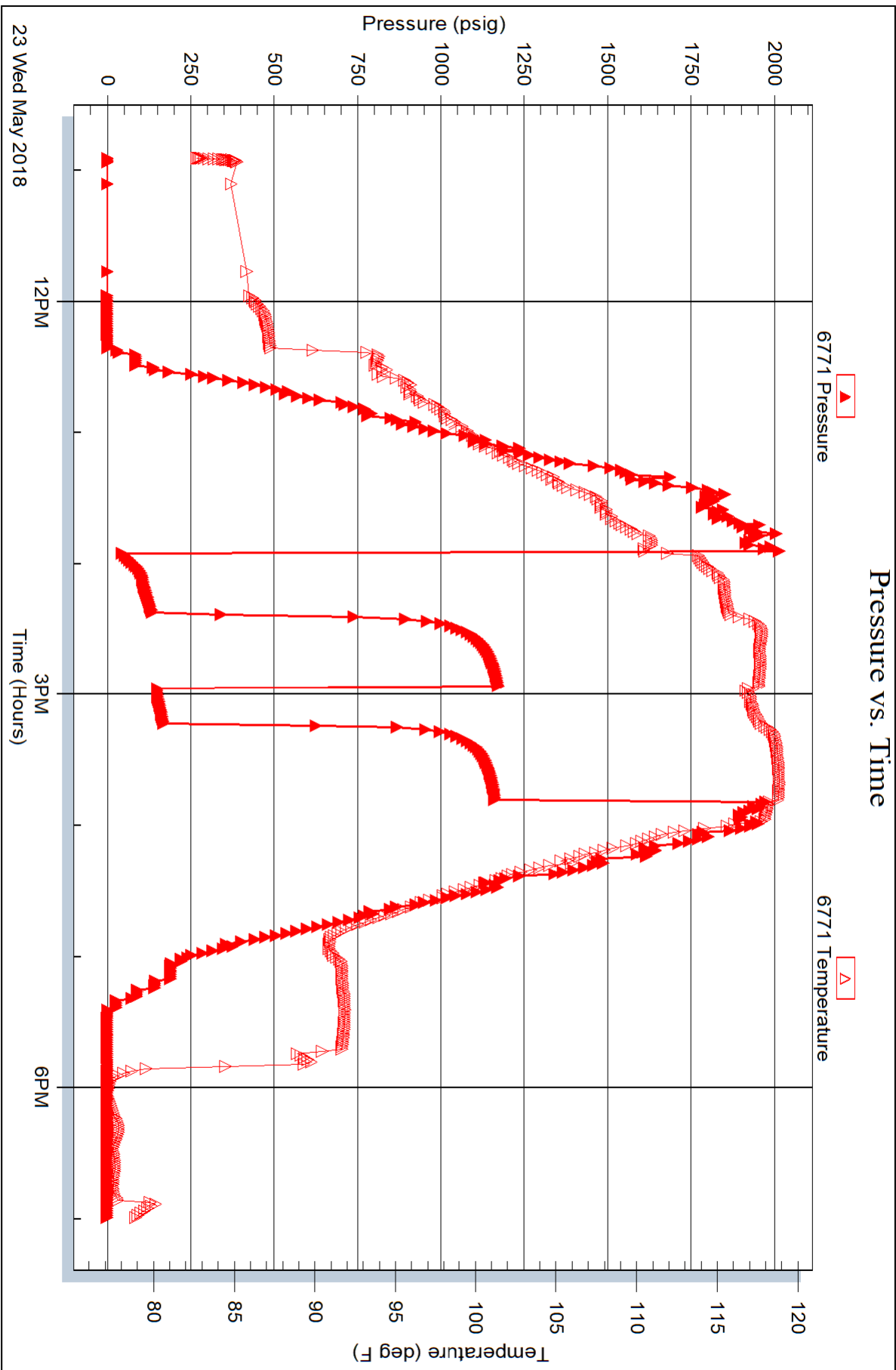
Serial #: 6771

Inside

American Oil, LLC

Baugher #3

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63441

Well Name & No. Baughner #3 Test No. 1 Date 5/23/18
 Company American Oil, LLC Elevation 2277 KB 2272 GL
 Address 1200 Main, Suite 410 Hays, KS 67601
 Co. Rep / Geo. Angsten Klaus Rig Murfin #24
 Location: Sec. 23 Twp 12 S Rge. 21 W Co. Trego State KS

Interval Tested 3906-3963 Zone Tested Arbuckle
 Anchor Length 57' Drill Pipe Run 3681 Mud Wt. 9.4
 Top Packer Depth 3901 Drill Collars Run 205 Vis 58
 Bottom Packer Depth 3906 Wt. Pipe Run _____ WL 7.2
 Total Depth 3963 Chlorides 6000 ppm System LCM 3#

Blow Description IF - BOB 9 mins (28") (26")
1st - Built to 28" then died back to 27"
PF - BOB 12 mins (14")
FST - Built to 15 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>HOCM</u>	<u>35</u>	<u>0</u>	<u>65</u>	<u>0</u>
<u>172</u>	<u>CGO</u>	<u>15</u>	<u>85</u>	<u>0</u>	<u>0</u>
<u> </u>	<u>78' GIP</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 422 BHT 119' Gravity 32 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 2016 Test 1050 T-On Location 0934
 (B) First Initial Flow 45 Jars _____ T-Started 1054
 (C) First Final Flow 135 Safety Joint _____ T-Open 1354
 (D) Initial Shut-In 1174 Circ Sub _____ T-Pulled 1539
 (E) Second Initial Flow 154 Hourly Standby _____ T-Out 1859
 (F) Second Final Flow 172 Mileage 46 RT 46 Comments _____
 (G) Final Shut-In 1165 Sampler _____
 (H) Final Hydrostatic 1978 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 15 Day Standby _____ Total 1346
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1346

Approved By _____ Our Representative Brannan Lonsdale

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.