

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

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	Darrah Oil Company, LLC
Well Name	WYLY A 2
Doc ID	1564384

All Electric Logs Run

Micro
Sonic
dual induction
dual comp porosity

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202



*Set up
Wily #2*

Customer	DARRAH OIL COMPANY, LLC	Lease & Well #	WYLY #2	Date	11/18/2020
Service District	PRATT,KS	County & State	BARTON,KS	Legals S/T/R	25-20S-14W
Job Type	<input checked="" type="checkbox"/> 8 5/8 SURFACE <input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Job #	
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
75	LESLEY	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
179-522	OSBORN	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
527-533	EJ McGRAW	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
Comments					

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP070	60/40/2 Pozmix	sack	400.00	\$4,160.00
CP100	Calcium Chloride	lb	1,032.00	\$619.20
CP120	Cello-flske	lb	100.00	\$140.00
CP130	Sugar	lb	100.00	\$240.00
M015	Light Equipment Mileage	mi	10.00	\$16.00
M010	Heavy Equipment Mileage	mi	10.00	\$32.00
M025	Ton Mileage - Minimum	each	1.00	\$240.00
C010	Cement Pump Service	ea	1.00	\$600.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$6,047.20
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <i>Unlikely</i> 1 2 3 4 5 6 7 8 9 10 <i>Extremely Likely</i>		Total Taxable \$	-
		Tax Rate:	
		Sale Tax:	\$ -
		Total:	\$ 6,047.20
HSI Representative:			

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

x JUAN TINOCO CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer:	DARRAH OIL COMPANY, LLC	Well:	WYLY #2	Ticket:	ICT 4424
City, State:		County:	BARTON,KS	Date:	11/18/2020
Field Rep:	JUAN	S-T-R:	25-20S-14W	Service:	8 5/8 SURFACE

Downhole Information		32	Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	12 1/4 in		Blend:	60 /40 /2 POZMIX	Blend:	
Hole Depth:	361 ft	Weight:	14.8 ppg	Weight:	ppg	
Casing Size:	8 5/8 in	Water / Sx:	5.2 gal / sx	Water / Sx:	gal / sx	
Casing Depth:	359.05 ft	Yield:	1.21 ft ³ / sx	Yield:	ft ³ / sx	
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.	
Plug Depth:	339 ft	Depth:	ft	Depth:	ft	
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls	
Tool Depth:	ft	Excess:	235%	Excess:		
Displacement:	20.7 bbls	Total Slurry:	86.0 bbls	Total Slurry:	0.0 bbls	
		Total Sacks:	400 sx	Total Sacks:	#DIV/0! sx	

TIME	RATE	PSI	BBLs	STAGE TOTAL BBLs	REMARKS
1:30AM			-	-	ON LOCATION -SPOT EQUIPMENT AND RIG UP
4:15AM				-	RUN 9 JTS. 8 5/8" X 32# BUTRESS THREAD CASING
5:30AM				-	CASING ON BOTTOM
5:45AM				-	HOOK UP TO CASING AND BREAK CIRCULATION WITH RIG
6:05AM	5.0	200.0	10.0	10.0	H2o AHEAD
6:09AM	5.0	50.0	86.0	96.0	MIX 400 SACKS 60/40/2 POZMIX CEMENT @ 14.8 PPG
6:26AM	4.0	50.0	-	96.0	START DISPLACEMENT
6:29AM	4.0	150.0	15.0	111.0	SLOW RATE
6:30AM	3.0	200.0	20.7	131.7	CEMENT AT DESIRED DEPTH
				131.7	DID NOT CIRCULATE CEMENT - WASH UP PUMP TRUCK
7:00AM				131.7	RUN INDICATOR TAPE DOWN BACKSIDE OF CASING - 5 FT DOWN
8:00 AM				131.7	RUN ONE JT OF 1"
9:00:AM	1.0		10.5	142.2	MIX 50 SKS COMMON @ 15.6 PPG
9:10AM				142.2	CEMENT TO SURFACE
9:15AM				142.2	WASH UP PUMP TRUCK AGAIN
				142.2	
				142.2	JOB COMPLETE,
				142.2	THANKS- KEVEN AND CREW
				142.2	
				142.2	
				142.2	
				142.2	
				142.2	
				142.2	
				142.2	
				142.2	

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	75	Average Rate	Average Pressure	Total Fluid
Pump Operator:	OSBORN	179-522	3.7 bpm	130 psi	142 bbls
Bulk #1:	EJ McGRAW	527-533			
Bulk #2:					



CEMENT TREATMENT REPORT

Customer:	DARRAH OIL COMPANY, LLC	Well:	WYLY A-2	Ticket:	ICT 4455
City, State:		County:	BARTON, KS	Date:	11/24/2020
Field Rep:	COOPER SEELEY	S-T-R:	26-20S-14W	Service:	5 1/2" LS

Downhole Information		15.5#	Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in		Blend:	H-LONG	Blend:	H-PLUG (RAT & MOUSEHOLE)
Hole Depth:	3550[ft		Weight:	15.0 ppg	Weight:	12 ppg
Casing Size:	5 1/2 in		Water / Sx:	6.0 gal / sx	Water / Sx:	gal / sx
Casing Depth:	3527.13 ft		Yield:	1.42 ft ³ / sx	Yield:	ft ³ / sx
ShoeJt:	21 ft		Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Plug Depth:	3505.92 ft		Depth:	ft	Depth:	ft
Tool / Packer:			Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft		Excess:		Excess:	
Displacement:	83.5 bbls		Total Slurry:	34.0 bbls	Total Slurry:	12.0 bbls
		Total Sacks:	135 sx	Total Sacks:	50 sx	

TIME	RATE	PSI	BBLs	STAGE TOTAL BBLs	REMARKS
3:30PM			-	-	ON LOCATION- SPOT TRUCKS WITH CAT
4:45PM					RUN 95 JTS. 5 1/2" X 15.5# CASING
6:50PM				-	CASING ON BOTTOM
7:15PM				-	HOOK UP TO CASING AND BREAK CIRCULATION WITH RIG PUMP
8:15PM	5.0	300.0	5.0	5.0	H2o AHEAD
8:17PM	5.0	300.0	12.0	17.0	MUDFLUSH
8:20PM	5.0	300.0	10.0	27.0	H2o SPACER
8:22PM	5.0	200.0	34.0	61.0	MIX 135 SACKS H-LONG CEMENT @ 15 PPG
8:28PM				61.0	SHUT DOWN- CLEAR PUMP AND LINES - DROP LATCH DOWN PLUG
8:35PM	6.0	-	-	61.0	START DISPLACEMENT
8:44PM	5.0	350.0	53.0	114.0	LIFT PRESSURE
8:48PM	4.0	800.0	73.0	187.0	SLOW RATE
9:00pm	3.0	1,500.0	83.5	270.5	PLUG DOWN- HELD
				270.5	CIRCULATION THRU JOB
9:20PM			7.0	277.5	PLUG RATHOLE W/ 30 SKS H-PLUG CEMENT @ 13 PPG
9:25PM			5.0	282.5	PLUG MOUSEHOLE W/ 20 SKS H-PLUG CEMENT @13 PPG
9:30PM				282.5	WASHUP PUMP TRUCK
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	
				282.5	

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	OSBORN	179-522	4.8 bpm	469 psi	283 bbls
Bulk #1:	EJ MCGRAW	527-533			
Bulk #2:					



Customer		DARRAH OIL COMPANY, LLC		Lease & Well #	WYLY A-2		Date	11/24/2020	
Service District		PRATT,KS		County & State	BARTON, KS		Legals S/T/R	26-20S-14W	
Job Type		5 1/2" LS		<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures							
916	LESLEY	<input checked="" type="checkbox"/> Hard hat		<input checked="" type="checkbox"/> Gloves		<input type="checkbox"/> Lockout/Tagout		<input type="checkbox"/> Warning Signs & Flagging	
179-522	OSBORN	<input checked="" type="checkbox"/> H2S Monitor		<input checked="" type="checkbox"/> Eye Protection		<input type="checkbox"/> Required Permits		<input type="checkbox"/> Fall Protection	
527-533	EJ McGRAW	<input checked="" type="checkbox"/> Safety Footwear		<input type="checkbox"/> Respiratory Protection		<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards		<input checked="" type="checkbox"/> Specific Job Sequence/Expectations	
		<input checked="" type="checkbox"/> FRC/Protective Clothing		<input type="checkbox"/> Additional Chemical/Acid PPE		<input type="checkbox"/> Overhead Hazards		<input checked="" type="checkbox"/> Muster Point/Medical Locations	
		<input type="checkbox"/> Hearing Protection		<input checked="" type="checkbox"/> Fire Extinguisher		<input type="checkbox"/> Additional concerns or issues noted below			
Comments									

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP030	H-Long	sack	135.00	\$3,024.00
CP055	H-Plug	sack	50.00	\$520.00
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$300.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$280.00
FE135	5 1/2 Turbolizer	ea	3.00	\$192.00
CP170	Mud Flush	gal	500.00	\$400.00
M015	Light Equipment Mileage	mi	10.00	\$16.00
M010	Heavy Equipment Mileage	mi	10.00	\$32.00
M020	Ton Mileage	tm	85.00	\$102.00
C015	Cement Pump Service	ea	1.00	\$1,200.00
C050	Cement Plug Container	job	1.00	\$200.00
C040	Casing Swivel	job	1.00	\$240.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?				Net:	\$6,506.00
Total Taxable \$ - Tax Rate:				Sale Tax:	\$ -
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely				State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt. Total: \$ 6,506.00	
				HSI Representative:	

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X _____ **CUSTOMER AUTHORIZATION SIGNATURE**

Saman Sharifaie

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: **Darrath Oil Company, LLC**
LEASE: **Wyly, A-#2**
FIELD: **Pritchard**
LOCATION: **17000 FSTL & 340 FFE**
SEC: **26** TWP: **20S** RGE: **14W**
COUNTY: **Barton** STATE: **Kansas**
CONTRACTOR: **Murfin Drilling #20**
SPUD: **11/17/20** COMP: **11/24/20**
RTD: **3550'** TYPE MUD: **Chemical**
MUD UP: **2100'**

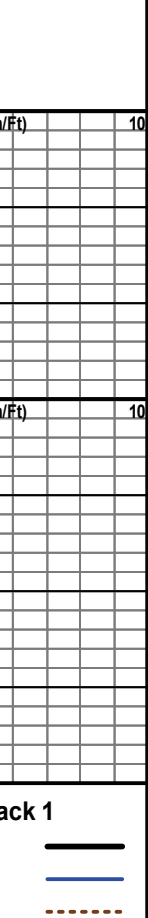
ELEVATIONS
KB: **1908'**
DF: _____
GL: **1897'**
Measurements Are All From Kelly Bushing

CASING
CONDUCTOR: _____
SURFACE: **8-5/8" @ 347'**
PRODUCTION: **5-1/2" @ 354'**

SAMPLES SAVED FROM: **2900'** TO RTD
DRILLING TIME KEPT FROM: **2800'** TO RTD
SAMPLES EXAMINED FROM: **2900'** TO RTD

GEOLOGICAL SUPERVISION FROM: **2500'**
REFERENCE WELL: **Darrath Oil - Gaunt 25B #1**

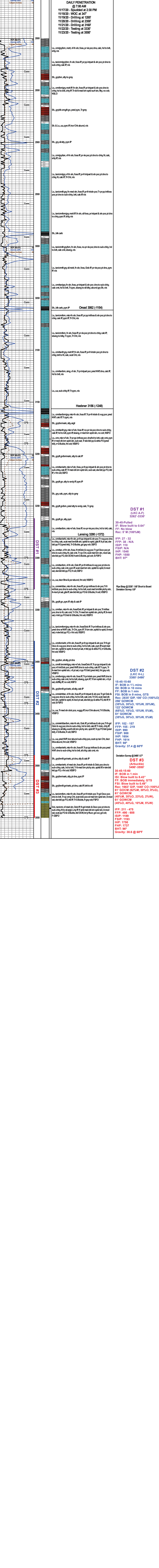
Formation	Sample Tops	E-log Tops	Strat Pos.
Anhydrite	794 (+114)	800 (+108)	-2
Base Anhydrite	824 (+184)	824 (+184)	-5
Oredal	3060 (-1152)	3062 (-1154)	8
Hebner	3148 (-1240)	3156 (-1248)	-4
Hebner	3175 (-1267)	3175 (-1267)	-4
Trinidad	3175 (-1267)	3172 (-1264)	-11
Doublets Sh	3190 (-1282)	3270 (-1362)	-10
Brown Lim	3268 (-1360)	3280 (-1372)	-9
Laminar	3278 (-1370)	3280 (-1372)	-8
BKC	3306 (-1398)	3306 (-1398)	-8



REMARKS: Due to fair to good shows of oil in multiple potential pay zones and positive DST results, it is recommended and agreed upon by all parties that production casing be set to further evaluate this well.

Respectfully Submitted,
API #15-009-26296
Saman Sharifaie
Petroleum Geologist

*Tops have been adjusted to electric logs





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company, LLC
 125 N Market Suite 1425
 Wichita, Ks. 67202
 ATTN: Saman ShariFaie

26-20s-14w Barton Co, Ks

Wyly, A- #2

Job Ticket: 66756

DST#: 3

Test Start: 2020.11.23 @ 08:43:04

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:17:34
 Time Test Ended: 18:30:49
 Interval: **3490.00 ft (KB) To 3550.00 ft (KB) (TVD)**
 Total Depth: 3550.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Reference Elevations: 1908.00 ft (KB)
 1897.00 ft (CF)
 KB to GR/CF: 11.00 ft

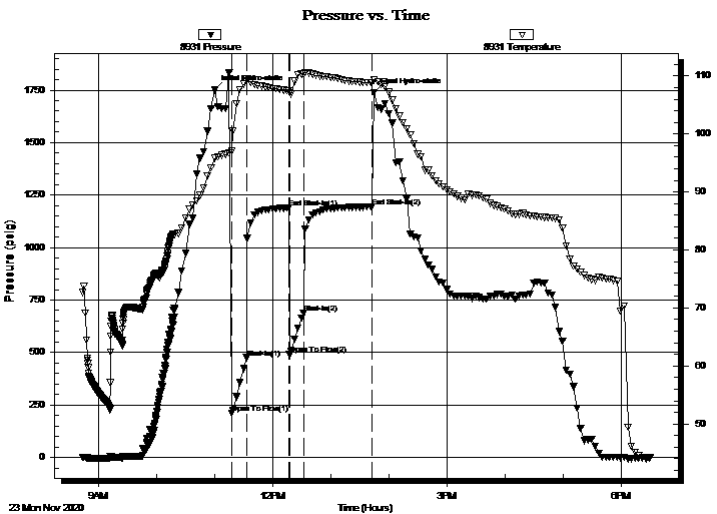
Serial #: 8931

Inside

Press@RunDepth: 688.01 psig @ 3491.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.11.23 End Date: 2020.11.23 Last Calib.: 2020.11.23
 Start Time: 08:43:09 End Time: 18:30:49 Time On Btm: 2020.11.23 @ 10:59:34
 Time Off Btm: 2020.11.23 @ 13:44:34

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 min. Built to 175.45".
 IS: Fair Blow . Built to 8.43".
 FF: Strong Blow . B.O.B. Immediate. G.T.S. ater 12 mins. No Gauge.
 FS: Weak Blow . Builtto .49". Dying Back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.05	95.80	Initial Hydro-static
18	210.78	96.99	Open To Flow (1)
33	475.48	109.18	Shut-In(1)
77	1188.52	107.45	End Shut-In(1)
78	490.25	107.12	Open To Flow (2)
92	688.01	110.34	Shut-In(2)
163	1192.74	108.79	End Shut-In(2)
165	1736.63	109.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GOWCM 40%g 45%o 5%w 10%m	0.46
61.00	GOWCM 23%g 35%o 2%w 40%m	0.46
61.00	GOCM 8%g 30%o 62%m	0.46
1440.00	CO 100%o	20.20
0.00	1663' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Darrah Oil Company, LLC

125 N Market Suite 1425
Wichita, Ks. 67202

ATTN: Saman ShariFaie

26-20s-14w Barton Co, Ks

Wyly, A- #2

Job Ticket: 66756

DST#: 3

Test Start: 2020.11.23 @ 08:43:04

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:34

Time Test Ended: 18:30:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 3490.00 ft (KB) To 3550.00 ft (KB) (TVD)

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1908.00 ft (KB)

1897.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8788 Outside

Press@RunDepth: psig @ 3491.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.23 End Date: 2020.11.23

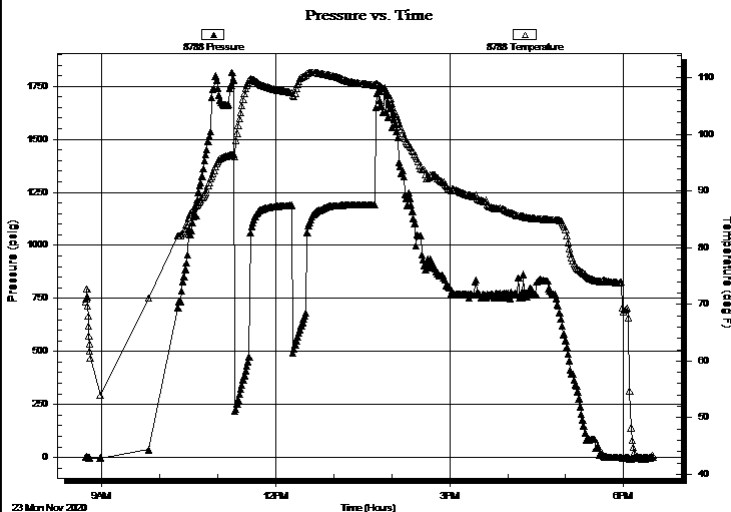
Last Calib.: 2020.11.23

Start Time: 08:43:20 End Time: 18:31:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 min. Built to 175.45".
IS: Fair Blow . Built to 8.43".
FF: Strong Blow . B.O.B. Immediate. G.T.S. ater 12 mins. No Gauge.
FS: Weak Blow . Builtto .49". Dying Back.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GOWCM 40%g 45%o 5%w 10%m	0.46
61.00	GOWCM 23%g 35%o 2%w 40%m	0.46
61.00	GOCM 8%g 30%o 62%m	0.46
1440.00	CO 100%o	20.20
0.00	1663' G.I.P.	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

Darrah Oil Company, LLC

26-20s-14w Barton Co, Ks

125 N Market Suite 1425
Wichita, Ks. 67202

Wyly, A- #2

Job Ticket: 66756

DST#: 3

ATTN: Saman ShariFaie

Test Start: 2020.11.23 @ 08:43:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
61.00	GOWCM 40%g 45%o 5%w 10%m	0.465
61.00	GOWCM 23%g 35%o 2%w 40%m	0.465
61.00	GOCM 8%g 30%o 62%m	0.465
1440.00	CO 100%o	20.199
0.00	1663' G.I.P.	0.000

Total Length: 1623.00 ft Total Volume: 21.594 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

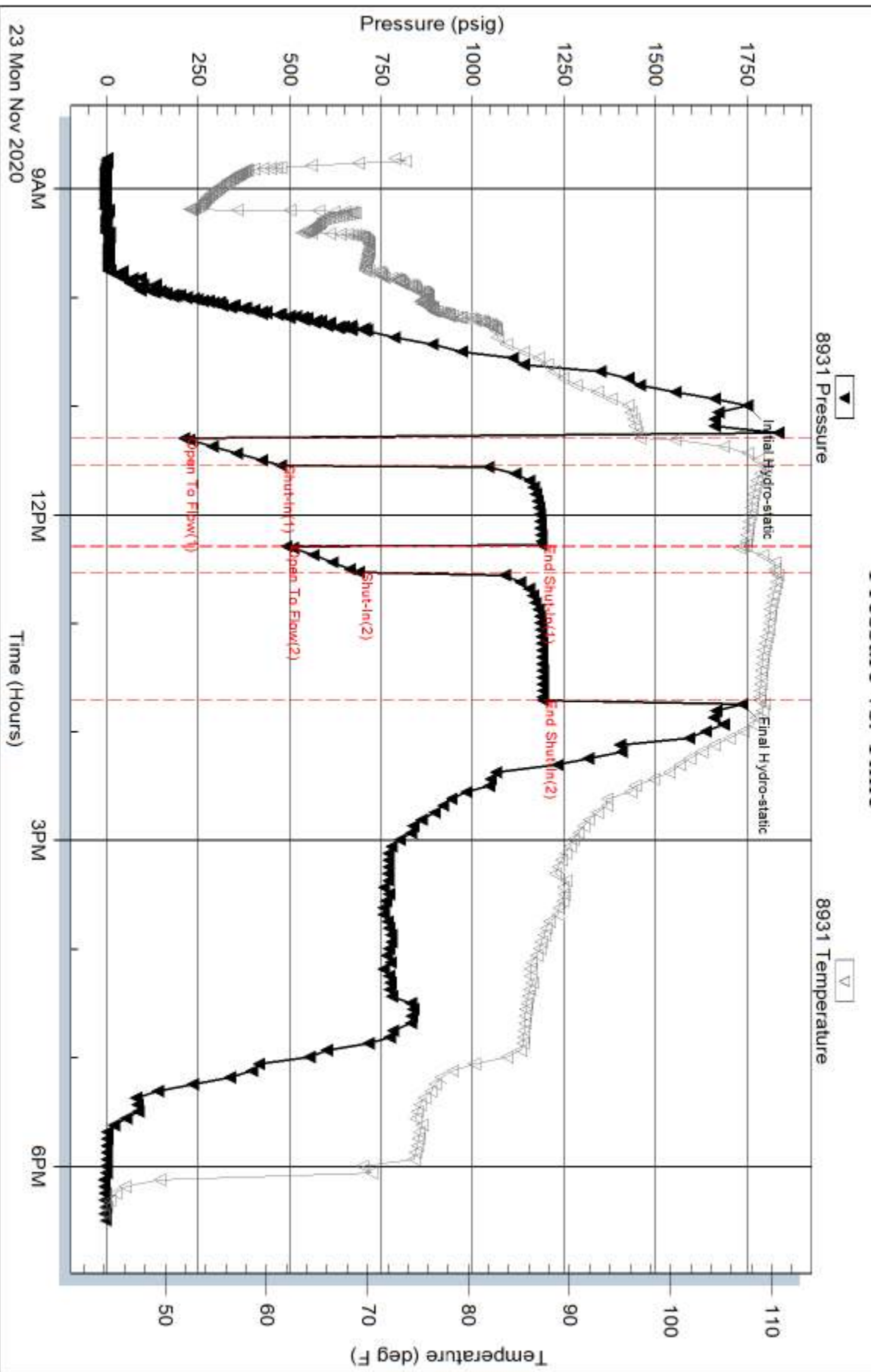
Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 37.8 @ 52 Degrees. Corrected is 38.6 @ 60 Degrees.

Pressure vs. Time

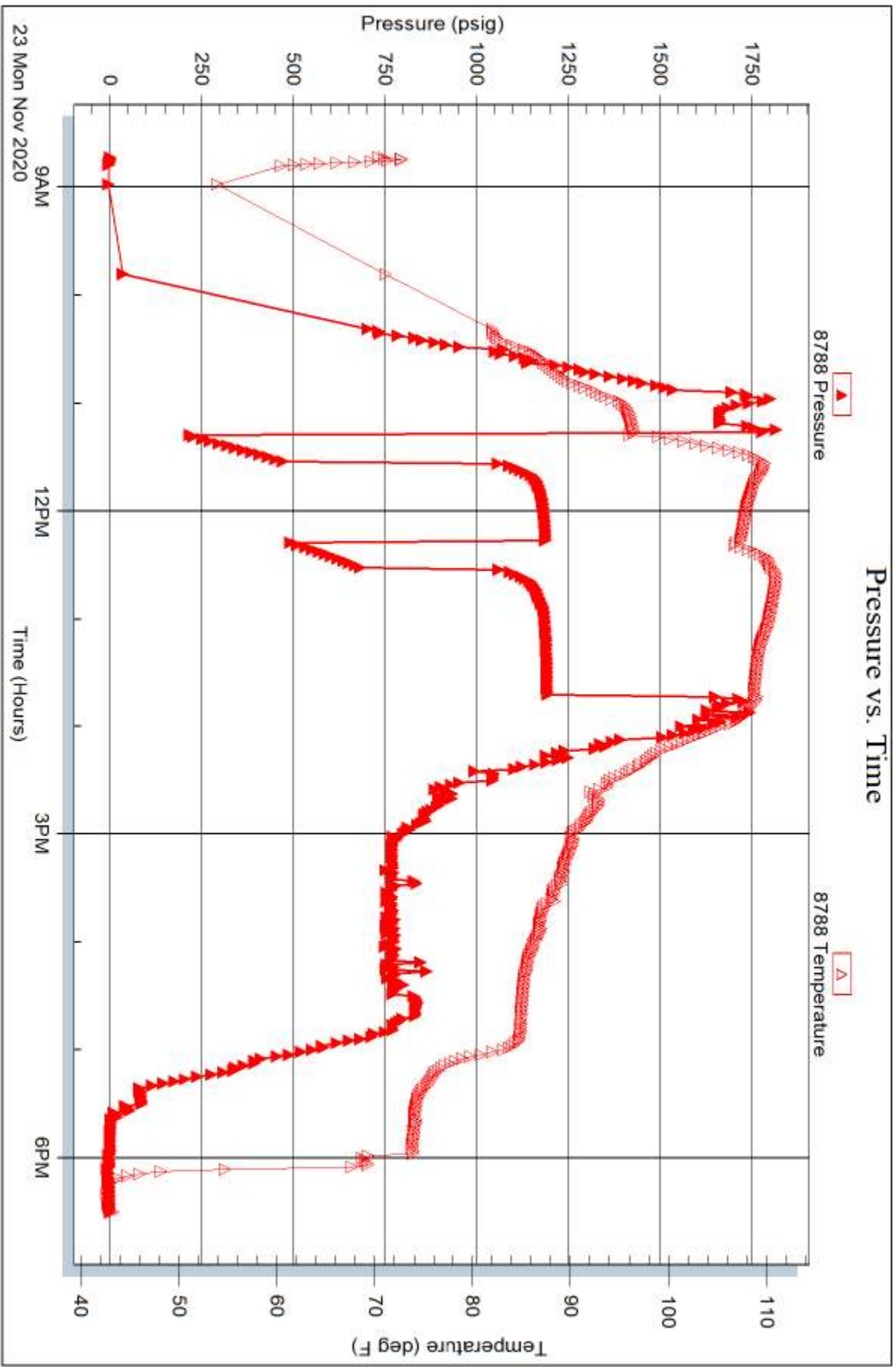


Serial #: 8788

Outside Darrah Oil Company, LLC

Wyll, A-#2

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company, LLC**

125 N Market Suite 1425
Wichita, KS 67202

ATTN: Saman Sharifaie

Wyly A #2

26-20s-14w Barton,KS

Start Date: 2020.11.21 @ 21:37:25

End Date: 2020.11.22 @ 04:00:10

Job Ticket #: 66754 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.11.25 @ 16:56:47



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66754

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2020.11.21 @ 21:37:25

GENERAL INFORMATION:

Formation: **LKC A - F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:07:10

Time Test Ended: 04:00:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

Interval: 3262.00 ft (KB) To 3330.00 ft (KB) (TVD)

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3330.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8931

Inside

Press@RunDepth: 32.48 psig @ 3263.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.21

End Date:

2020.11.22

Last Calib.:

2020.11.22

Start Time: 21:37:30

End Time:

04:00:09

Time On Btm:

2020.11.22 @ 00:01:40

Time Off Btm:

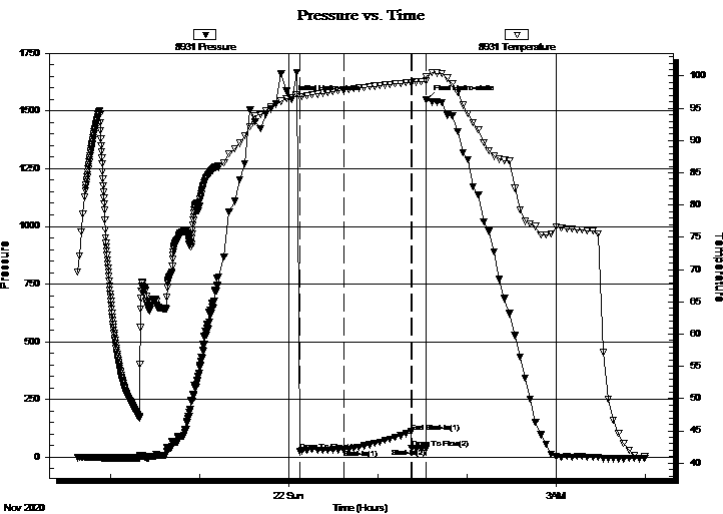
2020.11.22 @ 01:32:40

TEST COMMENT: IF: Weak Blow . Built to .64". Died.

IS: No Blow .

FF: No Blow . Pulled test.

FS:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1548.05	96.68	Initial Hydro-static
6	27.02	96.75	Open To Flow (1)
36	32.48	97.85	Shut-In(1)
81	109.92	99.01	End Shut-In(1)
81	37.50	99.00	Open To Flow (2)
91	36.84	99.21	Shut-In(2)
91	1550.01	99.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM 100%m	0.04

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66754

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2020.11.21 @ 21:37:25

GENERAL INFORMATION:

Formation: **LKC A - F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:07:10

Time Test Ended: 04:00:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

Interval: 3262.00 ft (KB) To 3330.00 ft (KB) (TVD)

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3330.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8788 Outside

Press@RunDepth: psig @ 3263.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.21 End Date: 2020.11.22

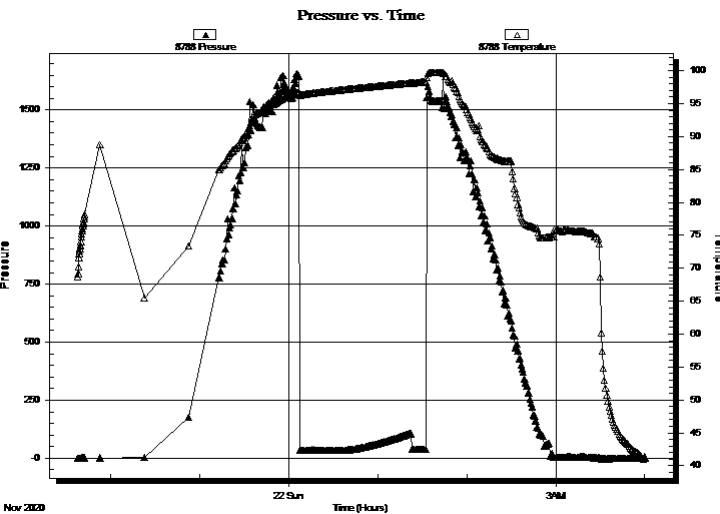
Last Calib.: 2020.11.22

Start Time: 21:37:32 End Time: 04:00:11

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak Blow . Built to .64" . Died.
IS: No Blow .
FF: No Blow . Pulled test.
FS:



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM 100%m	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66754

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2020.11.21 @ 21:37:25

Tool Information

Drill Pipe:	Length: 3066.00 ft	Diameter: 3.80 inches	Volume: 43.01 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:	24000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.80 inches	Volume: 1.39 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 44.40 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3262.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	101.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3230.00	
Shut In Tool	5.00			3235.00	
Hydraulic tool	5.00			3240.00	
EMT	5.00			3245.00	
Jars	5.00			3250.00	
Safety Joint	3.00			3253.00	
Packer	4.00			3257.00	33.00 Bottom Of Top Packer
Packer	5.00			3262.00	
Stubb	1.00			3263.00	
Recorder	0.00	8931	Inside	3263.00	
Recorder	0.00	8788	Outside	3263.00	
Perforations	2.00			3265.00	
Change Over Sub	1.00			3266.00	
Blank Spacing	32.00			3298.00	
Change Over Sub	1.00			3299.00	
Perforations	28.00			3327.00	
Bullnose	3.00			3330.00	68.00 Bottom Packers & Anchor
Total Tool Length:	101.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66754

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2020.11.21 @ 21:37:25

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM 100%m	0.038

Total Length: 5.00 ft Total Volume: 0.038 bbl

Num Fluid Samples: 0

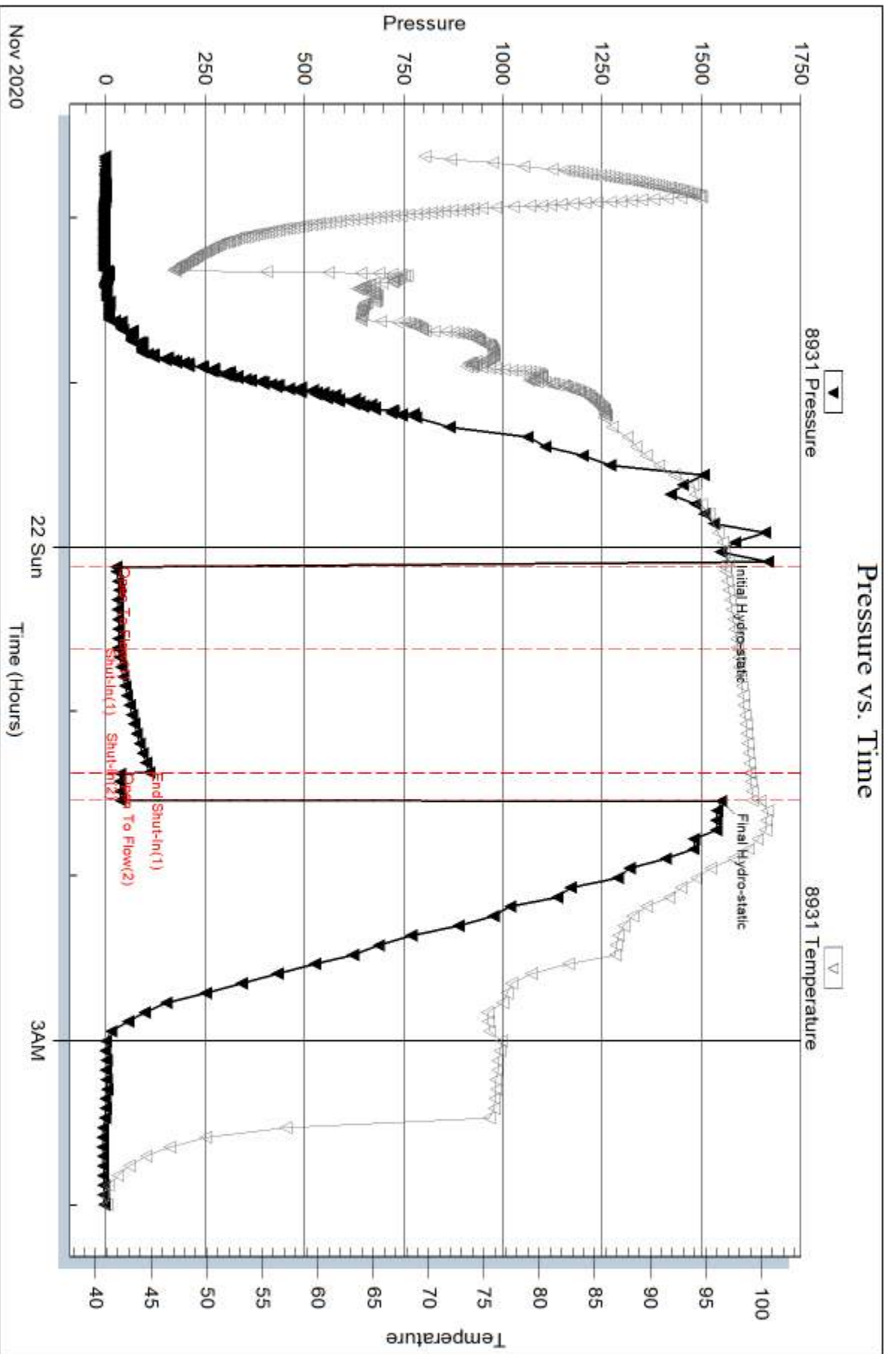
Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: No Daily Mud Report.

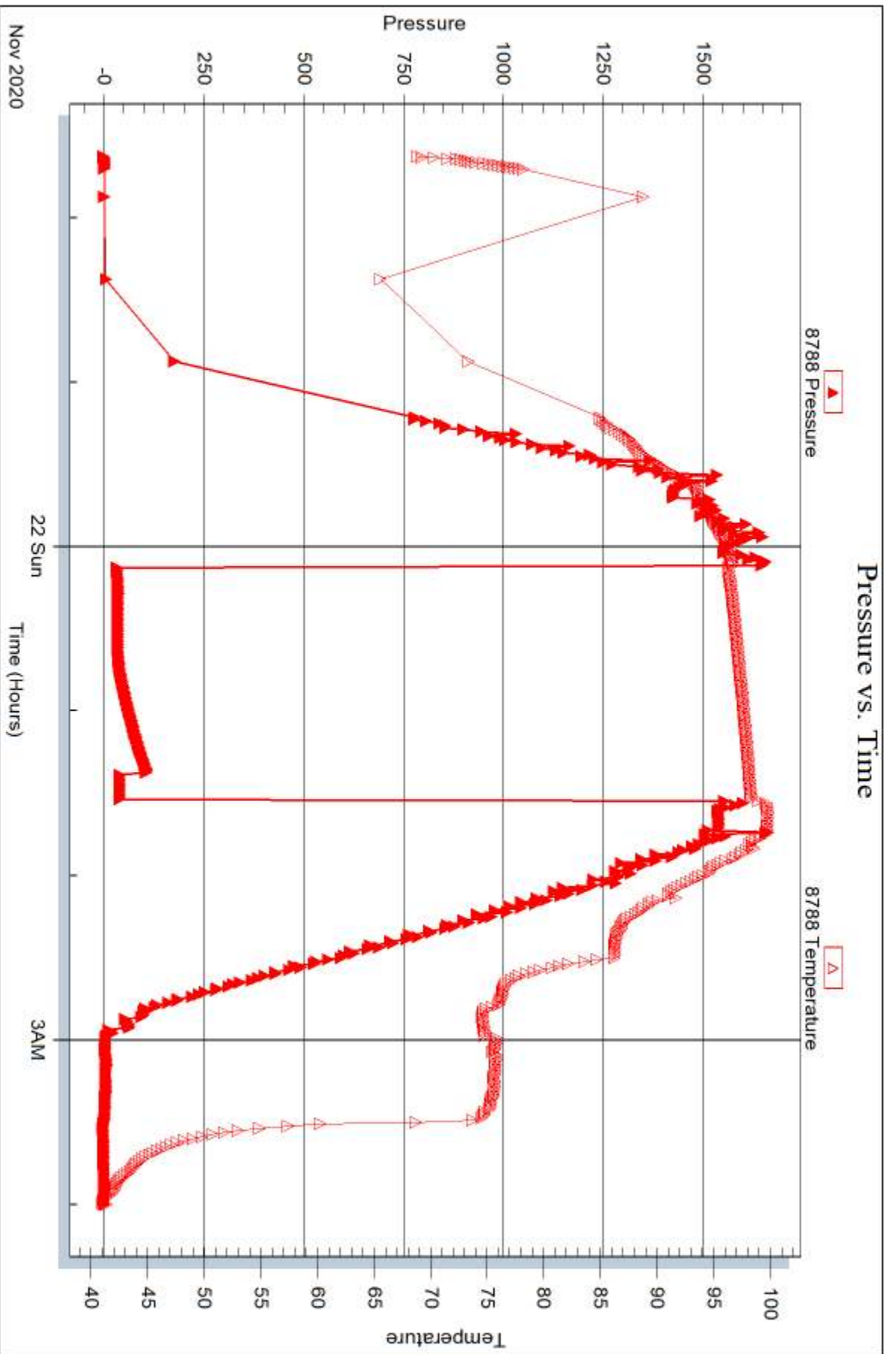


Serial #: 8788

Outside Darrah Oil Company, LLC

Wjly A #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66754

Printed: 2020.11.25 @ 16:56:48



DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company, LLC**

125 N Market Suite 1425
Wichita, KS 67202

ATTN: Saman Sharifaie

Wyly A #2

26-20s-14w Barton,KS

Start Date: 2020.11.22 @ 17:44:41

End Date: 2020.11.23 @ 01:39:11

Job Ticket #: 66755 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2020.11.25 @ 12:00:26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66755

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2020.11.22 @ 17:44:41

GENERAL INFORMATION:

Formation: **LKC H - L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:09:41

Time Test Ended: 01:39:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 3380.00 ft (KB) To 3490.00 ft (KB) (TVD)

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3490.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8931

Inside

Press@RunDepth: 218.80 psig @ 3381.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.22

End Date: 2020.11.23

Last Calib.: 2020.11.23

Start Time: 17:44:46

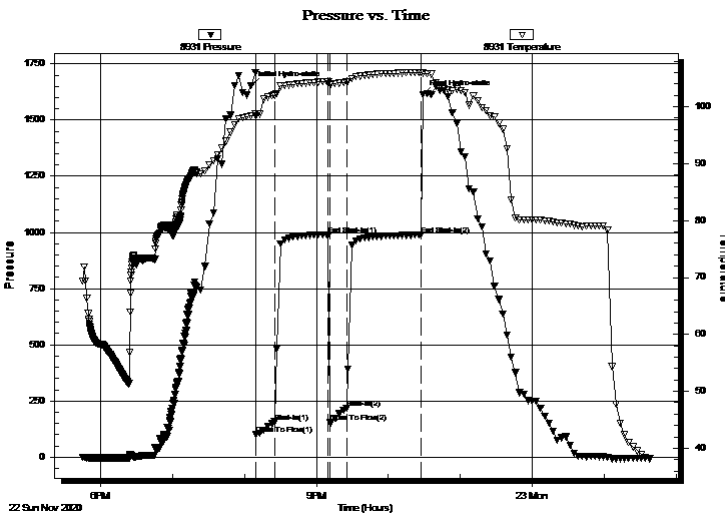
End Time: 01:39:10

Time On Btm: 2020.11.22 @ 20:05:26

Time Off Btm: 2020.11.22 @ 22:28:56

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 1/2 mins. Built to 317.21".
IS: Strong Blow . B.O.B. in 10 mins. Built to 41.93". (Bled Off)
FF: Strong Blow . B.O.B. in 1 min. Built to 169.42".
FS: Strong Blow . B.O.B. in 9 mins. Built to 221.17".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.25	98.46	Initial Hydro-static
5	102.48	98.40	Open To Flow (1)
20	156.51	102.05	Shut-In(1)
65	990.39	104.44	End Shut-In(1)
66	154.50	104.03	Open To Flow (2)
80	218.80	104.38	Shut-In(2)
142	988.09	106.04	End Shut-In(2)
144	1614.32	105.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GOWCM 35%g 30%o 30%w 5%m	0.46
122.00	GOWCM 15%g 65%o 15%w 5%m	0.93
128.00	GOWCM 3%g 50%o 10%w 5%m	1.80
128.00	GOCM 45%g 35%o 20%m	1.80
100.00	CO 100%o	1.40
0.00	2835 G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66755

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2020.11.22 @ 17:44:41

Tool Information

Drill Pipe:	Length: 3191.00 ft	Diameter: 3.80 inches	Volume: 44.76 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:	24000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.80 inches	Volume: 1.39 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 46.15 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3380.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	110.00 ft				
Tool Length:	143.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3348.00	
Shut In Tool	5.00			3353.00	
Hydraulic tool	5.00			3358.00	
EMT	5.00			3363.00	
Jars	5.00			3368.00	
Safety Joint	3.00			3371.00	
Packer	4.00			3375.00	33.00 Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Recorder	0.00	8931	Inside	3381.00	
Recorder	0.00	8788	Outside	3381.00	
Perforations	4.00			3385.00	
Change Over Sub	1.00			3386.00	
Blank Spacing	63.00			3449.00	
Change Over Sub	1.00			3450.00	
Perforations	37.00			3487.00	
Bullnose	3.00			3490.00	110.00 Bottom Packers & Anchor
Total Tool Length:	143.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66755

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2020.11.22 @ 17:44:41

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
61.00	GOWCM 35%g 30%o 30%w 5%m	0.465
122.00	GOWCM 15%g 65%o 15%w 5%m	0.929
128.00	GOWCM 3%g 50%o 10%w 5%m	1.796
128.00	GOCM 45%g 35%o 20%m	1.796
100.00	CO 100%o	1.403
0.00	2835 G.I.P.	0.000

Total Length: 539.00 ft

Total Volume: 6.389 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

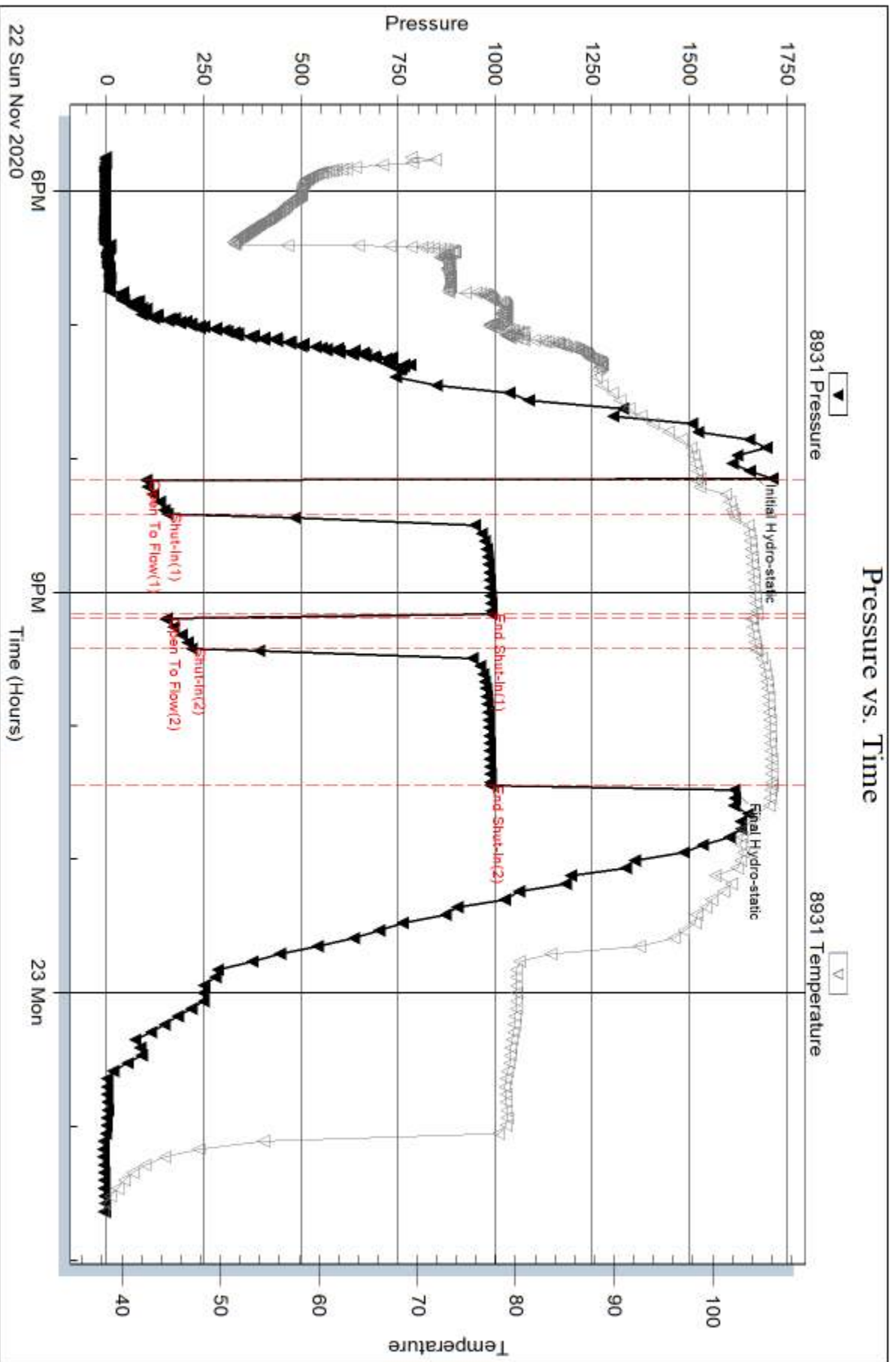
Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 36 @ 46 Degrees. Corrected 37.4 @ 60 Degrees.

Pressure vs. Time

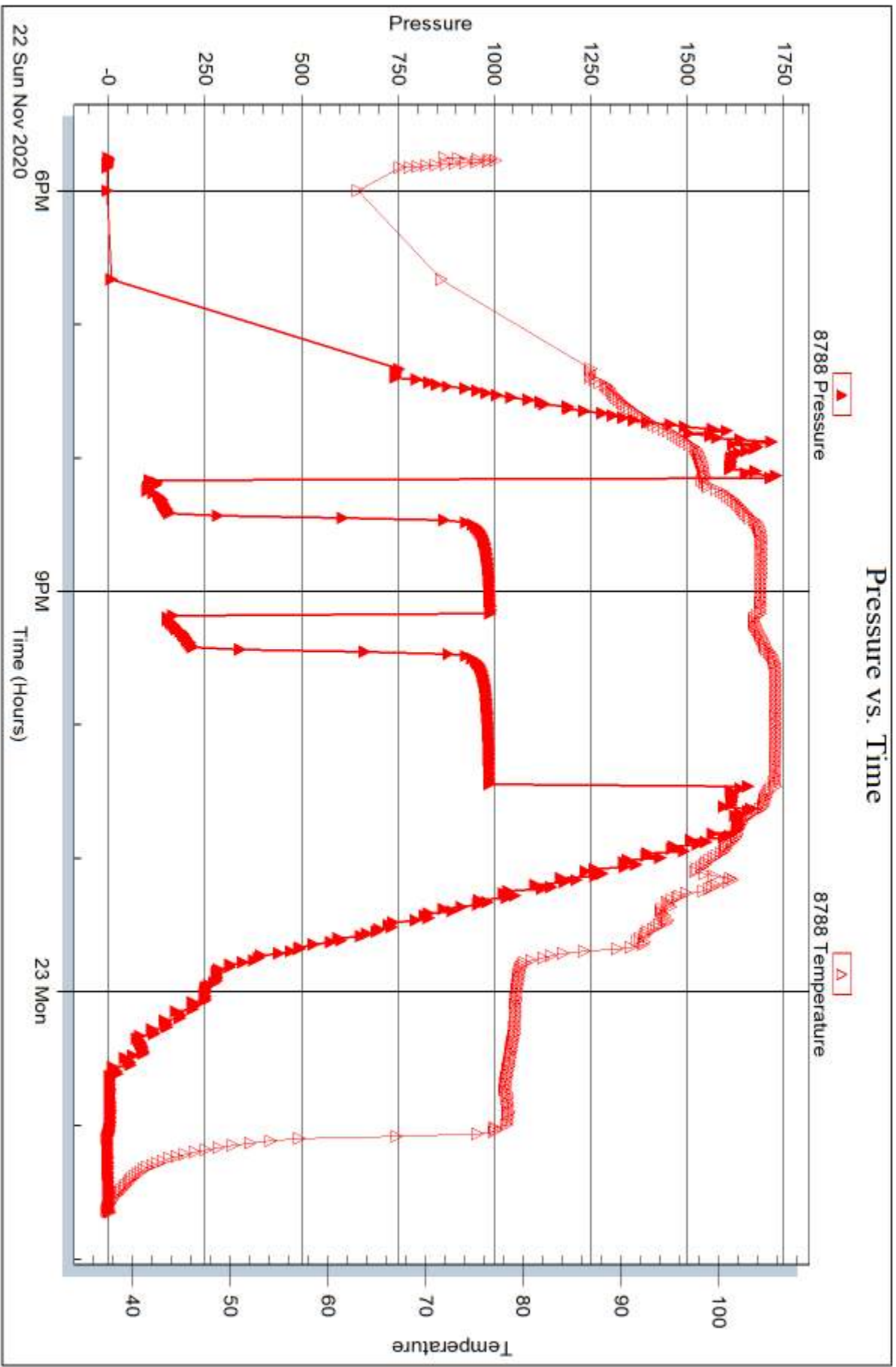


Serial #: 8788

Outside Darrah Oil Company, LLC

Wylli A #2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66755

Printed: 2020.11.25 @ 12:00:27



DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company, LLC**

125 N Market Suite 1425
Wichita, KS 67202

ATTN: Saman Sharifaie

Wyly A #2

26-20s-14w Barton,KS

Start Date: 2020.11.23 @ 08:43:04

End Date: 2020.11.23 @ 18:30:49

Job Ticket #: 66756 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.11.25 @ 11:57:43



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil Company, LLC

26-20s-14w Barton, KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66756

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2020.11.23 @ 08:43:04

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:34

Time Test Ended: 18:30:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 3490.00 ft (KB) To 3550.00 ft (KB) (TVD)

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3550.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8931

Inside

Press@RunDepth: 688.01 psig @ 3491.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.23

End Date:

2020.11.23

Last Calib.:

2020.11.23

Start Time:

08:43:09

End Time:

18:30:49

Time On Btm:

2020.11.23 @ 10:59:34

Time Off Btm:

2020.11.23 @ 13:44:34

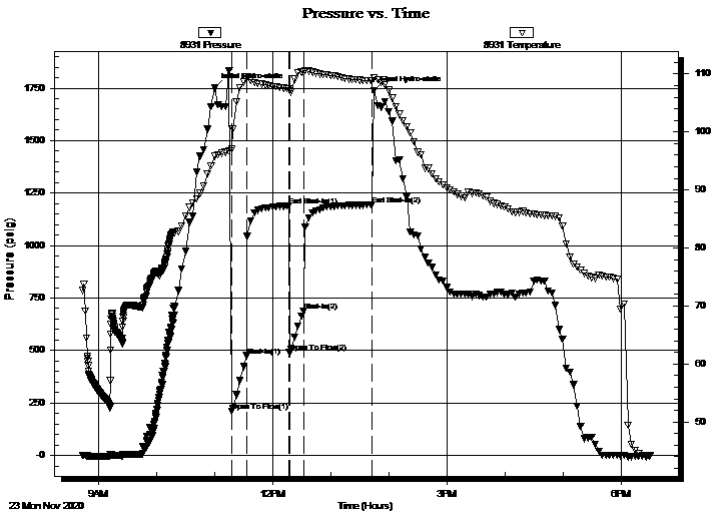
TEST COMMENT: IF: Strong Blow . B.O.B. in 1 min. Built to 175.45".

IS: Fair Blow . Built to 8.43".

FF: Strong Blow . B.O.B. Immediate. G.T.S. after 12 mins. No Gauge.

FS: Weak Blow . Built to .49". Dying Back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.05	95.80	Initial Hydro-static
18	210.78	96.99	Open To Flow (1)
33	475.48	109.18	Shut-In(1)
77	1188.52	107.45	End Shut-In(1)
78	490.25	107.12	Open To Flow (2)
92	688.01	110.34	Shut-In(2)
163	1192.74	108.79	End Shut-In(2)
165	1736.63	109.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GOWCM 40%g 45%o 5%w 10%m	0.46
61.00	GOWCM 23%g 35%o 2%w 40%m	0.46
61.00	GOCM 8%g 30%o 62%m	0.46
1440.00	CO 100%o	20.20
0.00	1663' G.I.P.	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil Company, LLC

26-20s-14w Barton, KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66756

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2020.11.23 @ 08:43:04

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:34

Time Test Ended: 18:30:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 3490.00 ft (KB) To 3550.00 ft (KB) (TVD)

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3550.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8788 Outside

Press@RunDepth: psig @ 3491.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.23

End Date:

2020.11.23

Last Calib.:

2020.11.23

Start Time: 08:43:20

End Time:

18:31:00

Time On Btm:

Time Off Btm:

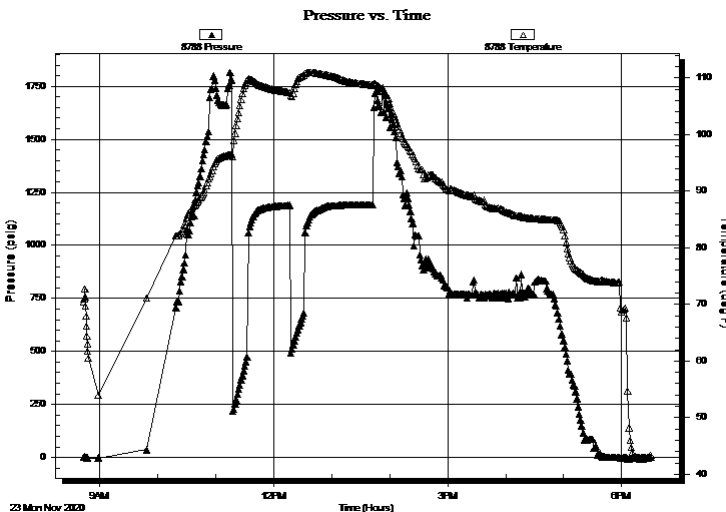
TEST COMMENT: IF: Strong Blow . B.O.B. in 1 min. Built to 175.45".

IS: Fair Blow . Built to 8.43".

FF: Strong Blow . B.O.B. Immediate. G.T.S. after 12 mins. No Gauge.

FS: Weak Blow . Built to .49". Dying Back.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GOWCM 40%g 45%o 5%w 10%m	0.46
61.00	GOWCM 23%g 35%o 2%w 40%m	0.46
61.00	GOCM 8%g 30%o 62%m	0.46
1440.00	CO 100%o	20.20
0.00	1663' G.I.P.	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66756

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2020.11.23 @ 08:43:04

Tool Information

Drill Pipe:	Length: 3286.00 ft	Diameter: 3.80 inches	Volume: 46.09 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: 24000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.80 inches	Volume: 1.39 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 47.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3490.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3458.00	
Shut In Tool	5.00			3463.00	
Hydraulic tool	5.00			3468.00	
EMT	5.00			3473.00	
Jars	5.00			3478.00	
Safety Joint	3.00			3481.00	
Packer	4.00			3485.00	33.00 Bottom Of Top Packer
Packer	5.00			3490.00	
Stubb	1.00			3491.00	
Recorder	0.00	8931	Inside	3491.00	
Recorder	0.00	8788	Outside	3491.00	
Perforations	1.00			3492.00	
Change Over Sub	1.00			3493.00	
Blank Spacing	31.00			3524.00	
Change Over Sub	1.00			3525.00	
Perforations	22.00			3547.00	
Bullnose	3.00			3550.00	60.00 Bottom Packers & Anchor
Total Tool Length:	93.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company, LLC

26-20s-14w Barton,KS

125 N Market Suite 1425
Wichita, KS 67202

Wyly A #2

Job Ticket: 66756

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2020.11.23 @ 08:43:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
61.00	GOWCM 40%g 45%o 5%w 10%m	0.465
61.00	GOWCM 23%g 35%o 2%w 40%m	0.465
61.00	GOCM 8%g 30%o 62%m	0.465
1440.00	CO 100%o	20.199
0.00	1663' G.I.P.	0.000

Total Length: 1623.00 ft Total Volume: 21.594 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 37.8 @ 52 Degrees. Corrected is 38.6 @ 60 Degrees.

Serial #: 8931

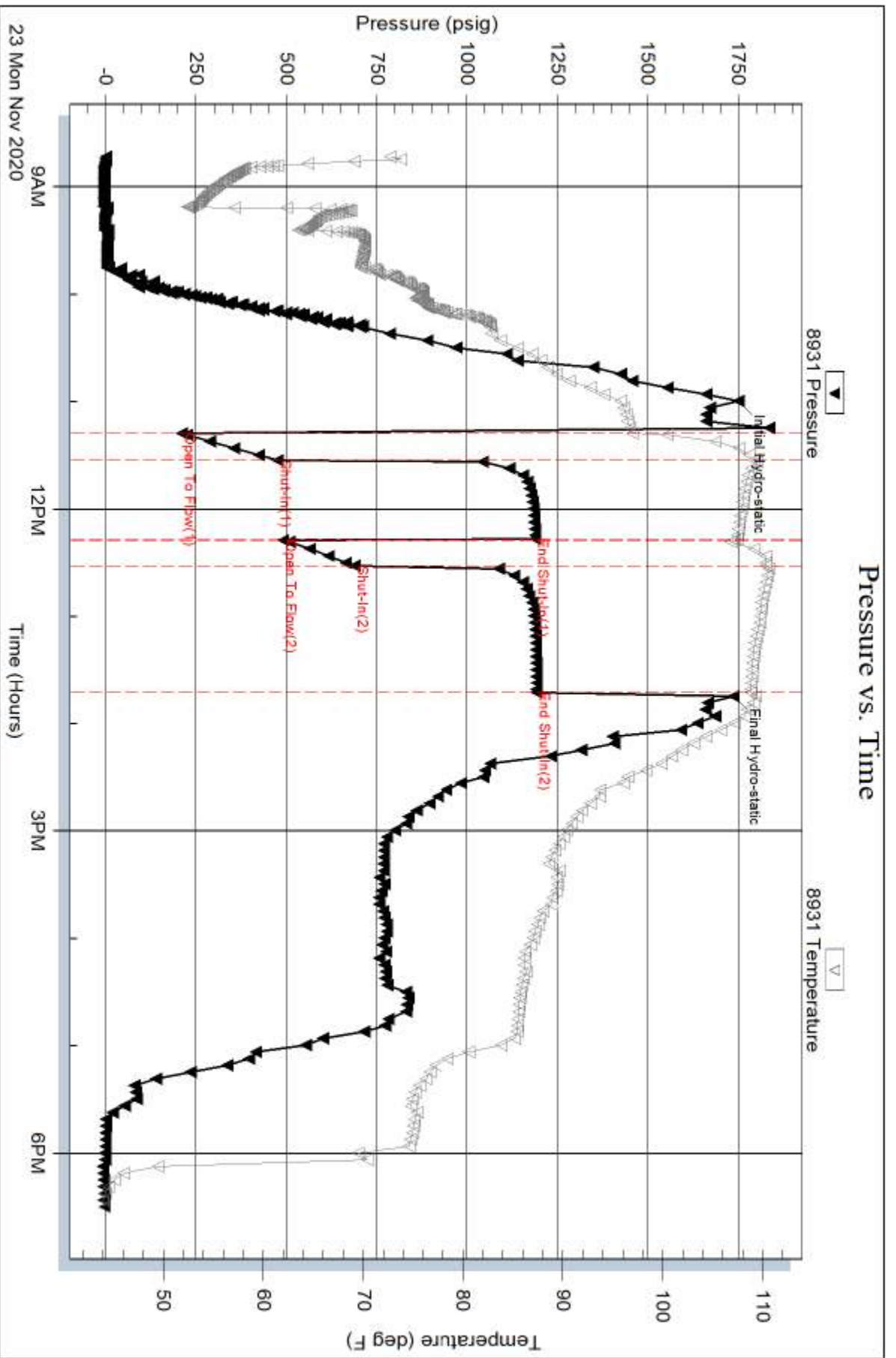
Inside

Darrah Oil Company, LLC

Wjly A #2

DST Test Number: 3

Pressure vs. Time

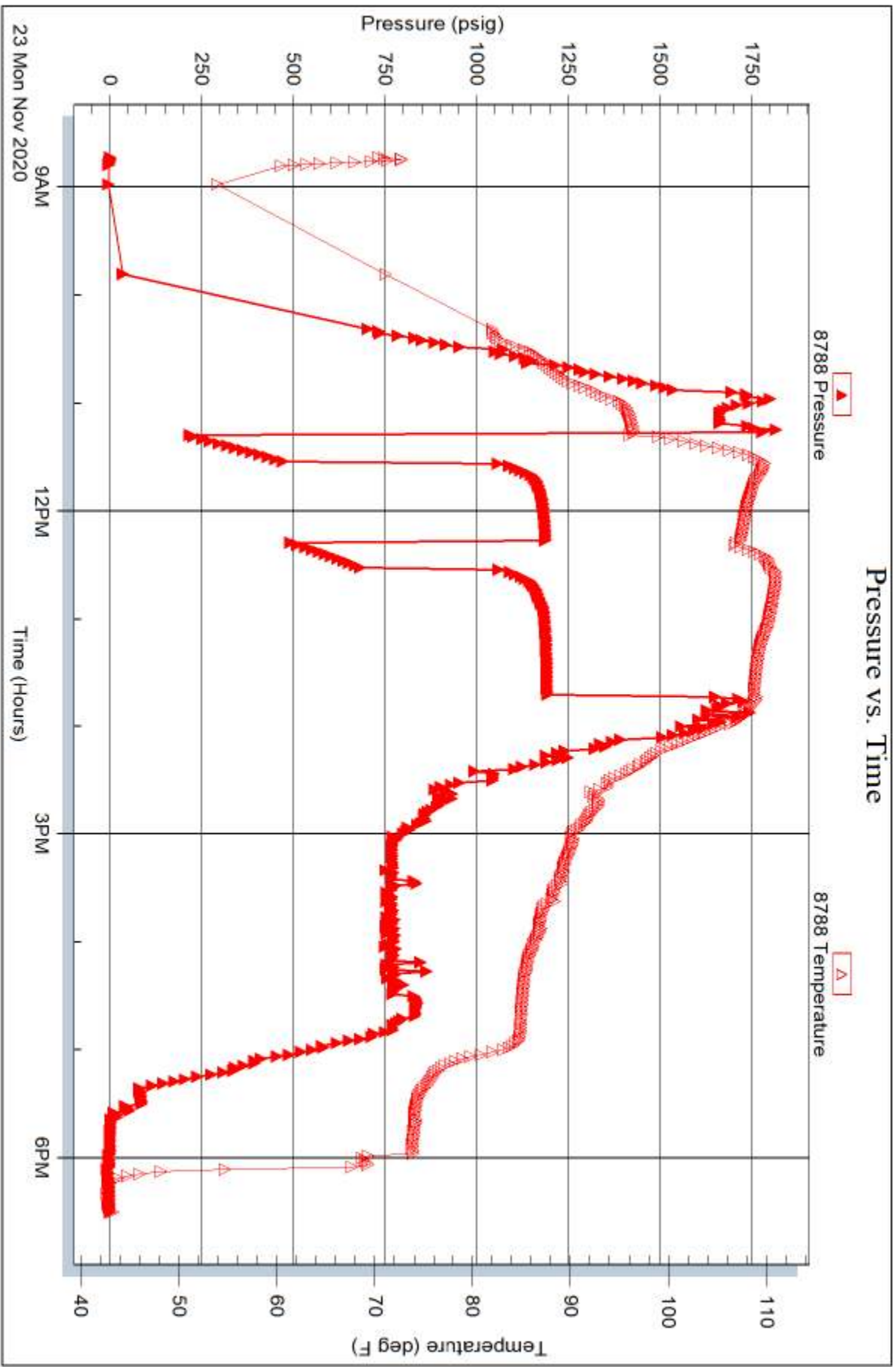


Serial #: 8788

Outside Darrah Oil Company, LLC

Wylli A #2

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66754

Well Name & No. Wyly, A-#2 Test No. 1 Date 11/21/20
 Company Darrach Oil Company, LLC Elevation 1908 KB 1897 GL
 Address 125 N. Market Suite 1425 Wichita, KS. 67202
 Co. Rep / Geo. Samah Shari Fae Rig Marlin 20
 Location: Sec. 26 Twp 20S Rge. 14W Co. Barton State KS.

Interval Tested 3262 - 3330 Zone Tested LKC A-F
 Anchor Length 68' Drill Pipe Run 3066 Mud Wt. 9.2
 Top Packer Depth 3257 Drill Collars Run 183 Vis 50
 Bottom Packer Depth 3262 WT. Pipe Run 0 WL N/A
 Total Depth 3330 Chlorides N/A ppm System LCM #2

Blow Description IF: Weak Blow. Built to -64" Died
ISI: NO Blow.
FF: NO Blow. Pulled test
FSI: Pulled

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>DM too</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' Stup BHT 97° Gravity N/A API RW N/A @ — ° F Chlorides N/A ppm

(A) Initial Hydrostatic <u>1548</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>1620</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2137</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00 07</u>
(D) Initial Shut-In <u>110</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0151</u>
(E) Second Initial Flow <u>38</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>0400</u>
(F) Second Final Flow <u>N/A</u>	<input checked="" type="checkbox"/> Mileage <u>207</u> (90rb)	Comments <u>* EM Tool N/A</u>
(G) Final Shut-In <u>N/A</u>	<input type="checkbox"/> Sampler	<u>Sub to be on Bank @</u>
(H) Final Hydrostatic <u>1550</u>	<input type="checkbox"/> Straddle	<u>6:30/5.7. @ 6:40.</u>

Initial Open 30
 Initial Shut-In 45
 Final Flow Pulled
 Final Shut-In ↓

<input type="checkbox"/> Ruined Shale Packer	Sub Total <u>0</u>
<input type="checkbox"/> Ruined Packer	Total <u>1615</u>
<input type="checkbox"/> Extra Copies	MP/DST Disc <u>X</u>
<input type="checkbox"/> Extra Recorder	Our Representative <u>[Signature]</u>
<input type="checkbox"/> Day Standby	
<input type="checkbox"/> Accessibility	
Sub Total <u>1615</u>	

Approved By _____
 TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the user for whom a test is made, or for any fees incurred or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tests lost or damaged in the here 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. **66755**

Well Name & No. Wyly A-#2 Test No. 2 Date 11/22/20
 Company Darrah Oil Company, LLC Elevation 1908 KB 1897 GL
 Address 125 N. Market Suite 1425 Wichita, KS. 67202
 Co. Rep / Geo. Saman Shari Fate Rig Murfin 20
 Location: Sec. 26 Twp 20s Rge. 14W Co. Barton State KS.

Interval Tested 3380 - 3490 Zone Tested LKC H-L
 Anchor Length ~~3375~~ 110' Drill Pipe Run 3191 Mud Wt. 9.2
 Top Packer Depth ~~3380~~ 3375 Drill Collars Run 183 Vis 50
 Bottom Packer Depth 3380 Wt. Pipe Run 0 WL N/A
 Total Depth 3490 Chlorides N/A ppm System LCM 1st

Blow Description IF: Strong Blow. B.O.B. in 1 1/2 mins. Built to 317.21"
ISI: Strong Blow. B.O.B. 10 mins. Built to 41.93" (bled off)
FF: Strong Blow. B.O.B. 1 min. Built to 169.42"
FSI: Strong Blow. B.O.B. in 9 mins. Built to 221.17" G.T.S.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2835</u>	<u>Feet of G.I.P.</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>100</u>	<u>Feet of CO</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>0</u>
<u>256</u>	<u>Feet of GOWCM</u>	<u>35</u>	<u>35</u>	<u>10</u>	<u>20 20</u>
<u>122</u>	<u>Feet of GOWCM</u>	<u>15</u>	<u>65</u>	<u>15</u>	<u>5</u>
<u>61</u>	<u>Feet of GOWCM</u>	<u>35</u>	<u>30</u>	<u>30</u>	<u>5</u>

Rec Total 539' fluid BHT 98° Gravity 37.4@60° API RW N/A @ — °F Chlorides N/A ppm

- (A) Initial Hydrostatic 1654
- (B) First Initial Flow 102
- (C) First Final Flow 157
- (D) Initial Shut-In 990
- (E) Second Initial Flow 155
- (F) Second Final Flow 219
- (G) Final Shut-In 988
- (H) Final Hydrostatic 1614

- Test 1200
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 90 (20)th G.B.
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1615

- T-On Location 1715
- T-Started 1744
- T-Open 2009
- T-Pulled 2230
- T-Out 0139

Comments * EMT *

- EM Tool 350
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1615
- MP/DST Disc't 4

Initial Open 15
 Initial Shut-In 45
 Final Flow 15
 Final Shut-In 60

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. 66756

Well Name & No. Wylly A-#2 Test No. 3 Date 11/23/20
 Company DARRAH Oil Company Elevation 1908 KB 1897 GL
 Address 125 N. Market Suite 1425 Wichita, KS. 67202
 Co. Rep / Geo. Saman Shae' Faie Rig Murfin 20
 Location: Sec. 26 Twp 20s Rge. 14w Co. Barton State KS.

Interval Tested 3490 - 3550 Zone Tested Arbuckle
 Anchor Length 60' Drill Pipe Run 3286 Mud Wt. 9.2
 Top Packer Depth 3485 Drill Collars Run 183 Vis 54
 Bottom Packer Depth 3490 Wt. Pipe Run 0 WL N/A
 Total Depth 3550 Chlorides N/A ppm System LCM 1st

Blow Description IF: Strong Blow, B.O.B. in 1 min. Built to 175.45"
ISI: Fair Blow, Built to 8.43"
FF: Strong Blow, B.O.B. immediate. G.T. 3. after 12 mins. No Gauge.
FSI: Weak Blow, Built to .49' Dying Back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1663</u>	<u>G.I.P.</u>	<u>100</u>			
<u>1440</u>	<u>C.O.</u>		<u>100</u>		
<u>61</u>	<u>GOCM</u>	<u>8</u>	<u>30</u>		<u>62</u>
<u>61</u>	<u>GOWCM</u>	<u>23</u>	<u>35</u>	<u>2</u>	<u>40</u>
<u>61</u>	<u>GOWCM</u>	<u>40</u>	<u>45</u>	<u>5</u>	<u>10</u>

Rec Total 1623' Fluid BHT 96° Gravity 38.6 @ 60 API RW N/A @ - °F Chlorides N/A ppm

(A) Initial Hydrostatic <u>1750</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>0751</u>
(B) First Initial Flow <u>211</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0843</u>
(C) First Final Flow <u>475</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1117</u>
(D) Initial Shut-In <u>1189</u>	<input checked="" type="checkbox"/> Circ Sub <u>50</u>	T-Pulled <u>1350</u>
(E) Second Initial Flow <u>490</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>1830</u>
(F) Second Final Flow <u>688</u>	<input checked="" type="checkbox"/> Mileage <u>20⁺ G.B. 90</u>	Comments <u>* EMT.</u>
(G) Final Shut-In <u>1193</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1737</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>

Initial Open 15
 Initial Shut-In 45
 Final Flow 15
 Final Shut-In 60

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Ruined Shale Packer
 Ruined Packer
 Extra Copies

Sub Total 0
 Total 1665
 MP/DST Disc't X

Approved By _____ Our Representative Matthew D. Smith