

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) (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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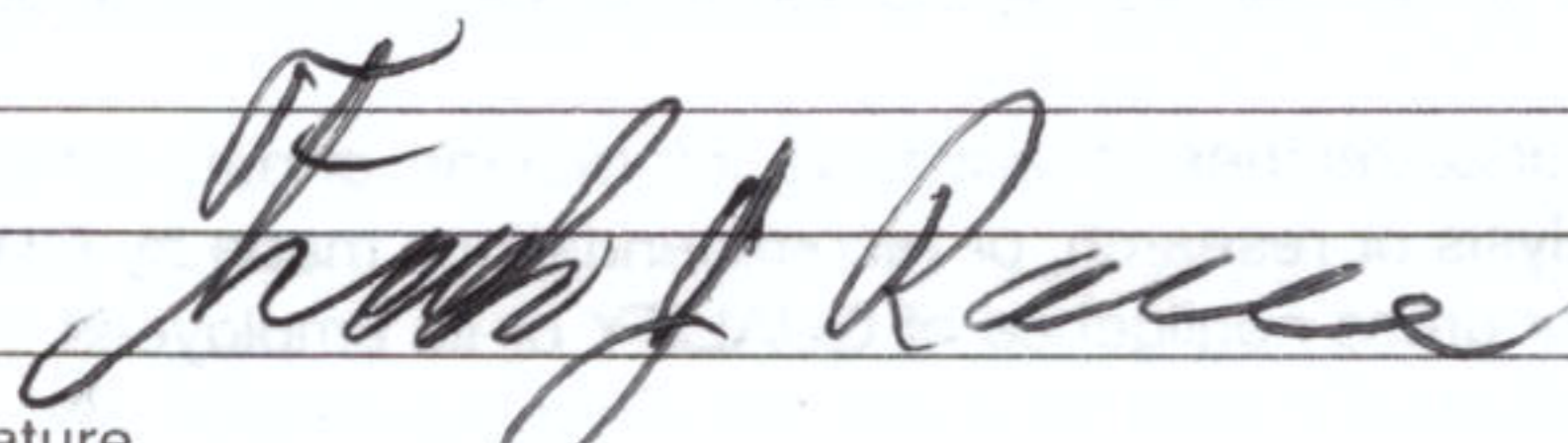
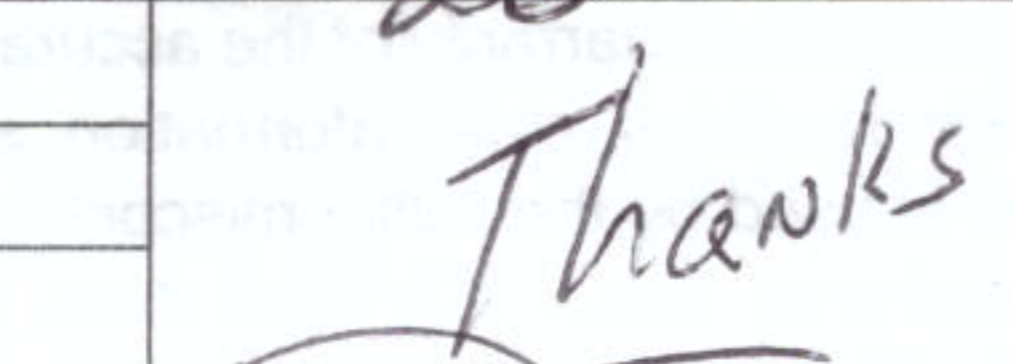
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. 3185

Date	10-26-22	Sec.	16	Twp.	17	Range	12	County	Barton	State	KS	On Location		Finish	10:00 PM
Lease	Wondra		Well No.	7		Owner	Odin - IN, 1 1/2 W, N15								
Contractor	Southwind 1		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	Surface		Charge To			C + K Oil									
Hole Size	12 1/4"		T.D.	354'		Street									
Csg.	8 5/8"		Depth	353'		City									
Tbg. Size			Depth			State									
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	15'		Shoe Joint	15'		Cement Amount Ordered 180 60/40 4% CC 2% Gel									
Meas Line			Displace	21 1/2 BLS											
EQUIPMENT															
Pumptrk	16	No.	Cementer	David		Common 10									
			Helper			Poz. Mix 70									
Bulktrk	14	No.	Driver	ROSS		Gel. 3									
			Driver			Calcium 8									
Bulktrk	PIU	No.	Driver	Rick											
			Driver												
JOB SERVICES & REMARKS															
Remarks:	Cement did Circulate					Hulls									
Rat Hole						Salt									
Mouse Hole						Flowseal									
Centralizers						Kol-Seal									
Baskets						Mud CLR 48									
O/V or Port Collar						CFL-117 or CD110 CAF 38									
						Sand									
						Handling 191									
						Mileage									
FLOAT EQUIPMENT															
						Guide Shoe									
						Centralizer									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
						Pumptrk Charge Surface									
						Mileage 26									
Signature															
															
															
						Tax									
						Discount									
						Total Charge									

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 3191

Cell 785-324-1041

Date	11-1-22	Sec.	10	Twp.	17	Range	12	County	Barton	State	Ks	On Location		Finish	7:00 AM
Lease	Wondra		Well No.	7		Owner	Odin - 1N, 1 1/2 W, N/Into								
Contractor	Southwind #1		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	Longstring		Charge To			C + K oil									
Hole Size	7 7/8"		T.D.	3318'		Street									
Csg.	5 1/2" 15.50		Depth	3310'		City									
Tbg. Size			Depth			State									
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	10.43'		Shoe Joint	10.43'		Cement Amount Ordered 180 Com 10% Salt 5%									
Meas Line			Displace	78 1/2 Bbs		Gilsonite - 500 gal mud Clear									
EQUIPMENT						Common 180									
Pumptrk	16		No.	Cementer Jordan		Poz. Mix									
Bulktrk			No.	Driver Bryant Corey		Gel.									
Bulktrk	p.u.		No.	Driver Rick		Calcium									
JOB SERVICES & REMARKS						Hulls									
Remarks:											Salt 14				
Rat Hole	305x										Flowseal				
Mouse Hole	155x										Kol-Seal 800#				
Centralizers	1-9										Mud CLR 48 500 gal				
Baskets	2+6										CFL-117 or CD110 CAF 38				
W/V or Port Collar	Pipe on bottom break Circulation										Handling 202				
Pump	500 gal mud Clear, plug Rat										Mileage				
Mouseholes	Hook to 5 1/2" Casing										FLOAT EQUIPMENT				
Mix	135x, Shut down, wash										Guide Shoe				
Pump + lines	Displaced plug										Centralizer 9				
w/ 78 1/2 Bbs	Released + held.										Baskets 2				
Lift pressure	700 #										AFU Inserts				
land plug to	1500 #										Float Shoe 1				
											Latch Down 1				
											Rotating head				
											Pumptrk Charge Prod String				
											Mileage 26				
Signature	Mark J. Rose										Tax				
											Discount				
											Total Charge				
											Thanks				



DRILL STEM TEST REPORT

Prepared For: **C & K Oil Company**

PO Box 531
Claffin, KS 67525

ATTN: Jim Musgrove

Wondra #7

10-17S-12W Barton,KS

Start Date: 2022.10.30 @ 07:42:00

End Date: 2022.10.30 @ 13:44:02

Job Ticket #: 69564 DST #: 1

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

Printed: 2022.11.02 @ 15:34:31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

C & K Oil Company

10-17S-12W Barton,KS

PO Box 531
Clafin, KS 67525

Wondra #7

Job Ticket: 69564

DST#: 1

ATTN: Jim Musgrove

Test Start: 2022.10.30 @ 07:42:00

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:40:32

Time Test Ended: 13:44:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 72

Interval: 3050.00 ft (KB) To 3160.00 ft (KB) (TVD)

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3160.00 ft (KB) (TVD)

1843.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6752

Inside

Press@RunDepth: 51.47 psig @ 3157.00 ft (KB)

Capacity: psig

Start Date: 2022.10.30

End Date:

2022.10.30

Last Calib.: 2022.10.30

Start Time: 07:42:01

End Time:

13:44:02

Time On Btm: 2022.10.30 @ 09:39:02

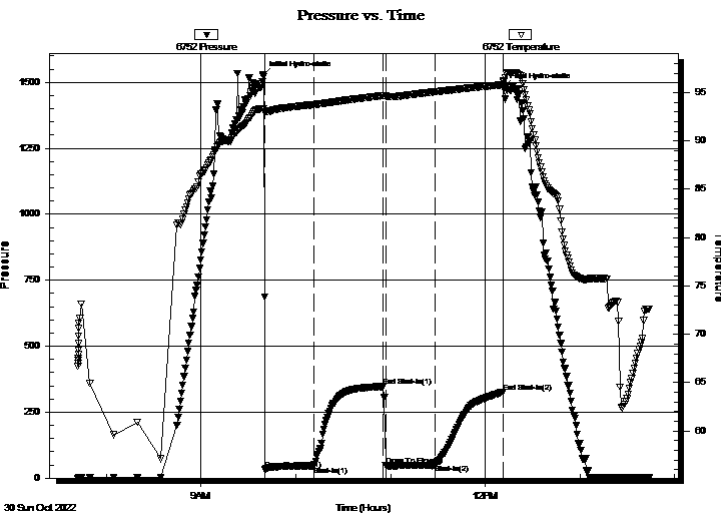
Time Off Btm: 2022.10.30 @ 12:11:32

TEST COMMENT: IF: Fair Blow , Built to 6.33"

IS: No Blow Back

FF: No Blow

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1526.92	93.34	Initial Hydro-static
2	32.70	93.05	Open To Flow (1)
33	45.38	93.75	Shut-In(1)
77	346.87	94.67	End Shut-In(1)
78	47.55	94.63	Open To Flow (2)
109	51.47	95.07	Shut-In(2)
153	326.39	95.82	End Shut-In(2)
153	1479.54	96.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SGCM 5%G 95%M	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

C & K Oil Company

10-17S-12W Barton,KS

PO Box 531
Clafin, KS 67525

Wondra #7

Job Ticket: 69564

DST#: 1

ATTN: Jim Musgrove

Test Start: 2022.10.30 @ 07:42:00

Tool Information

Drill Pipe:	Length: 3043.00 ft	Diameter: 3.80 inches	Volume: 42.69 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 42.69 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3050.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	134.00 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			3031.00	
Hydraulic tool	5.00			3036.00	
EM Tool	3.00			3039.00	
Safety Joint	2.00			3041.00	
Packer	5.00			3046.00	24.00 Bottom Of Top Packer
Packer	4.00			3050.00	
Stubb	1.00			3051.00	
Perforations	4.00			3055.00	
Change Over Sub	1.00			3056.00	
Drill Pipe	95.00			3151.00	
Change Over Sub	1.00			3152.00	
Handling Sub	5.00			3157.00	
Recorder	0.00	6752	Inside	3157.00	
Recorder	0.00	8365	Outside	3157.00	
Bullnose	3.00			3160.00	110.00 Bottom Packers & Anchor

Total Tool Length: 134.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

C & K Oil Company

10-17S-12W Barton,KS

PO Box 531
Clafin, KS 67525

Wondra #7

Job Ticket: 69564

DST#: 1

ATTN: Jim Musgrove

Test Start: 2022.10.30 @ 07:42:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	SGCM 5%G 95%M	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

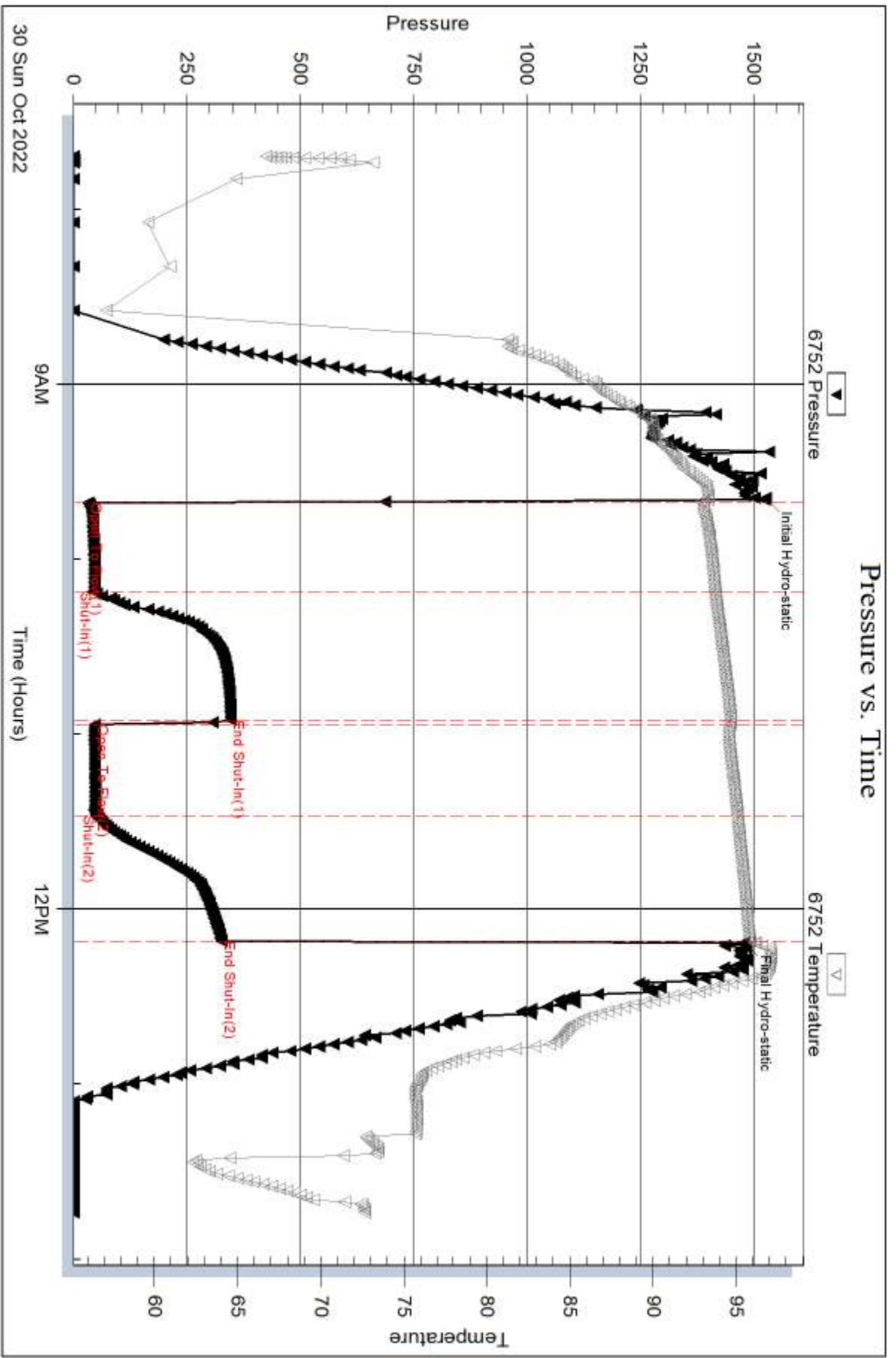
Serial #: 6752

Inside

C & K Oil Company

Wondra #7

DST Test Number: 1

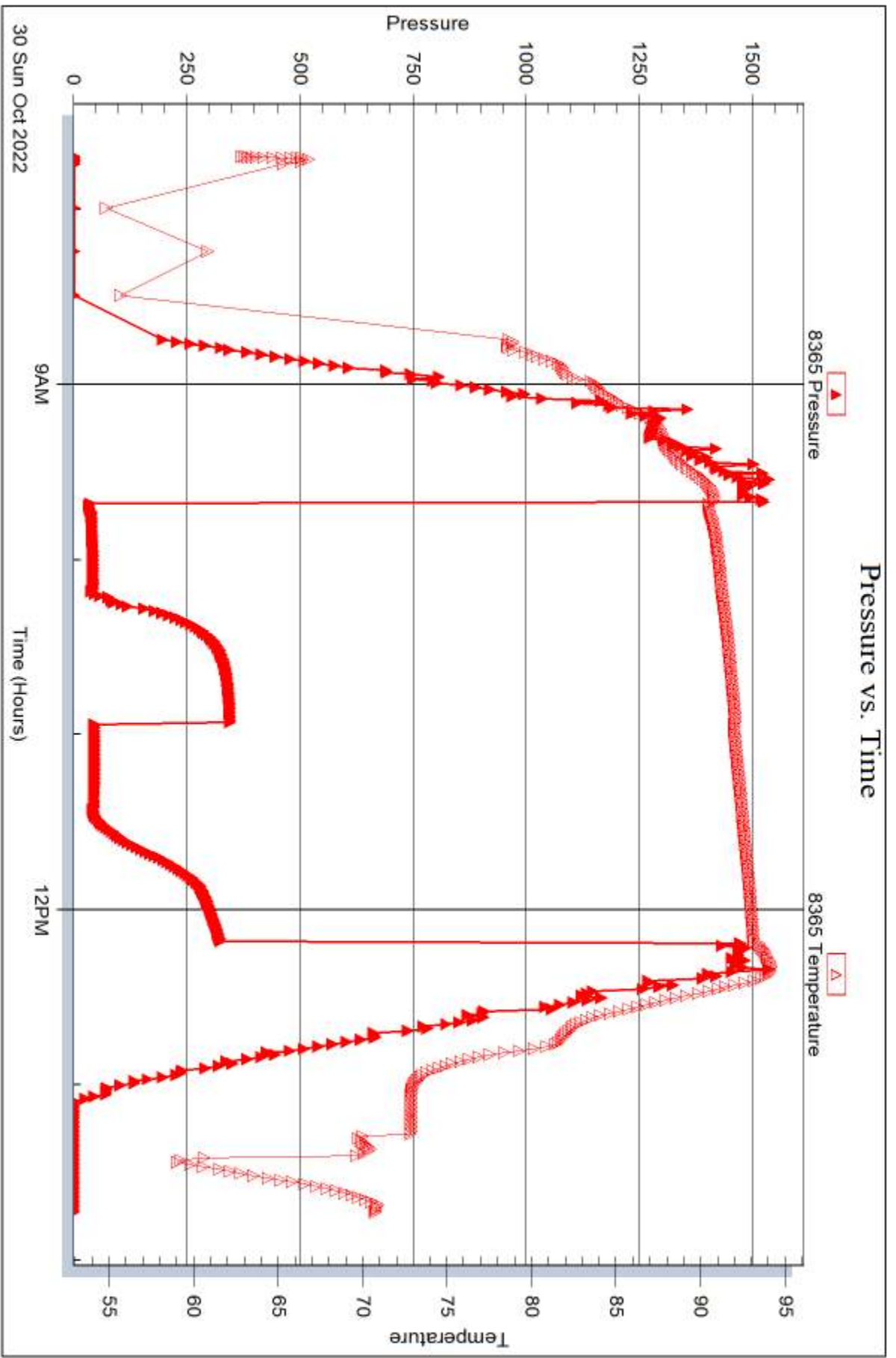


Serial #: 8365

Outside C & K Oil Company

Wondra #7

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **C & K Oil Company**

PO Box 531
Claffin, KS 67525

ATTN: Jim Musgrove

Wondra #7

10-17S-12W Barton,KS

Start Date: 2022.10.31 @ 14:50:00

End Date: 2022.10.31 @ 21:28:02

Job Ticket #: 69565 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.11.02 @ 15:27:30



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

C & K Oil Company

10-17S-12W Barton,KS

PO Box 531
Clafin, KS 67525

Wondra #7

Job Ticket: 69565

DST#: 2

ATTN: Jim Musgrove

Test Start: 2022.10.31 @ 14:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:25:02

Time Test Ended: 21:28:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 3280.00 ft (KB) To 3318.00 ft (KB) (TVD)

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3160.00 ft (KB) (TVD)

1843.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6752 Inside

Press@RunDepth: 128.04 psig @ 3286.00 ft (KB)

Capacity: psig

Start Date: 2022.10.31

End Date: 2022.10.31

Last Calib.: 2022.10.31

Start Time: 14:50:01

End Time: 21:28:02

Time On Btm: 2022.10.31 @ 16:23:32

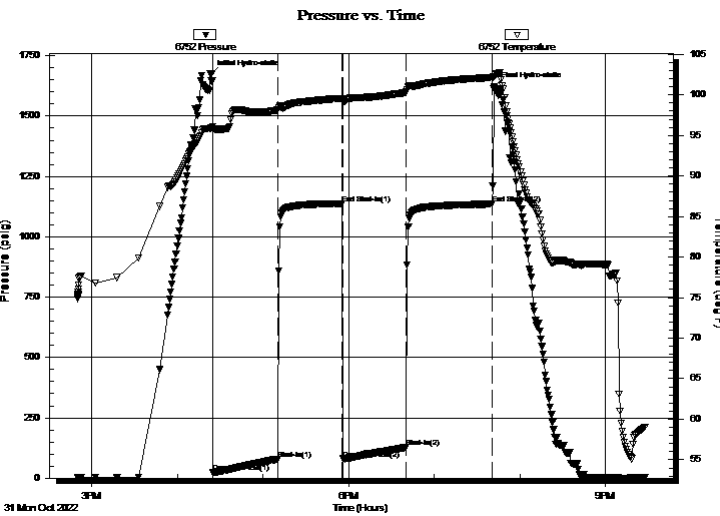
Time Off Btm: 2022.10.31 @ 19:42:02

TEST COMMENT: IF: Fair Blow , BOB in 28 minutes, Built to 19.03"

IS: No Blow Back

FF: Fair Blow , BOB in 32 minutes, Built to 17.41"

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.34	95.99	Initial Hydro-static
2	22.02	95.78	Open To Flow (1)
47	78.14	98.18	Shut-In(1)
92	1137.88	99.53	End Shut-In(1)
93	80.00	99.29	Open To Flow (2)
137	128.04	100.33	Shut-In(2)
197	1136.08	102.16	End Shut-In(2)
199	1620.74	102.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCO 40%M 60%O	1.74
124.00	MCO 20%M 80%O	1.74
31.00	Clean Oil	0.43

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

C & K Oil Company

10-17S-12W Barton,KS

PO Box 531
Clafin, KS 67525

Wondra #7

Job Ticket: 69565

DST#: 2

ATTN: Jim Musgrove

Test Start: 2022.10.31 @ 14:50:00

Tool Information

Drill Pipe:	Length: 3264.00 ft	Diameter: 3.80 inches	Volume: 45.79 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 45.79 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3280.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3261.00	
Hydraulic tool	5.00			3266.00	
EM Tool	3.00			3269.00	
Safety Joint	2.00			3271.00	
Packer	5.00			3276.00	24.00 Bottom Of Top Packer
Packer	4.00			3280.00	
Stubb	1.00			3281.00	
Handling Sub	5.00			3286.00	
Recorder	0.00	6752	Inside	3286.00	
Recorder	0.00	8365	Outside	3286.00	
Perforations	29.00			3315.00	
Bullnose	3.00			3318.00	38.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

C & K Oil Company

10-17S-12W Barton,KS

PO Box 531
Clafin, KS 67525

Wondra #7

Job Ticket: 69565

DST#: 2

ATTN: Jim Musgrove

Test Start: 2022.10.31 @ 14:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MCO 40%M 60%O	1.739
124.00	MCO 20%M 80%O	1.739
31.00	Clean Oil	0.435

Total Length: 279.00 ft Total Volume: 3.913 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity Was 36.4 @ 56 degrees

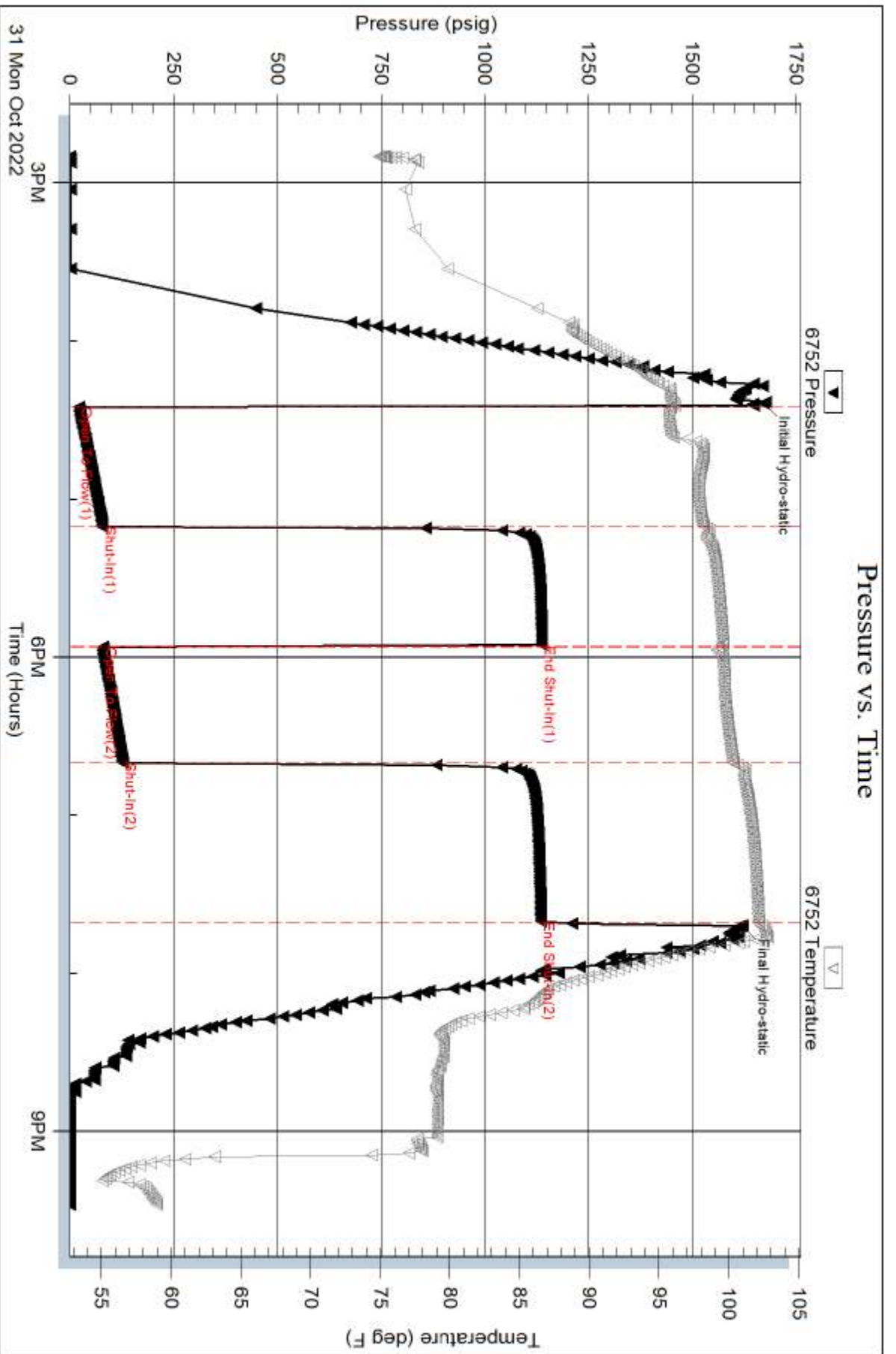
Serial #: 6752

Inside

C & K Oil Company

Wondra #7

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 69565

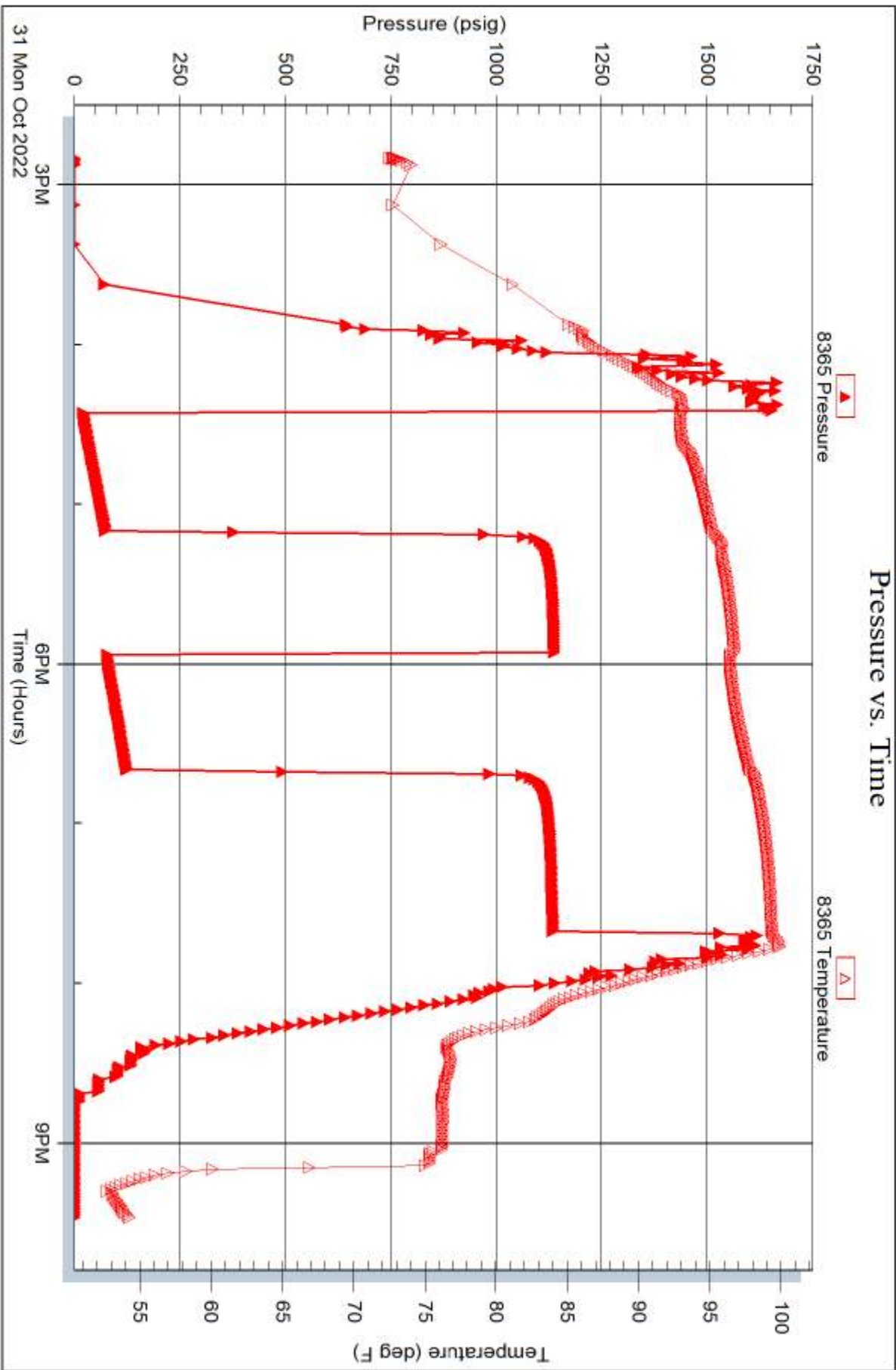
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Serial #: 8365

Outside C & K Oil Company

Wondra #7

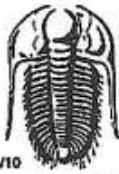
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69565

Printed: 2022.11.02 @ 15:27:31



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69564

Well Name & No. Wondra 7 Test No. 1 Date 10/30/22
 Company CKK Oil Company Elevation 1853 KB 1843 GL
 Address PO Box 531 Claflin, KS 67525
 Co. Rep / Geo. Jim Musgrove Rig Southwind 1
 Location: Sec. 10 Twp 17S Rge. 12W Co. Barton State KS

Interval Tested 3050 - 3160 Zone Tested Lansing
 Anchor Length 110 Drill Pipe Run 3043 Mud Wt. 8.8
 Top Packer Depth 3045 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3050 Wt. Pipe Run 0 WL 7.6
 Total Depth 3160 Chlorides 4000 ppm System LCM 2

Blow Description IF: Fair Blow, Built to 6.33"
ISI: NO Blow Back
FF: NO BLOW
FSE: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>SGCM</u>	<u>5</u>		<u>95</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 BHT 97 Gravity NK API RW NK @ NK F Chlorides NK ppm
 (A) Initial Hydrostatic 1527 Test 1800 T-On Location 06:15
 (B) First Initial Flow 33 Jars T-Started 07:42
 (C) First Final Flow 45 Safety Joint T-Open 09:40
 (D) Initial Shut-In 347 Circ Sub T-Pulled 12:11
 (E) Second Initial Flow 47 Hourly Standby T-Out 13:44
 (F) Second Final Flow 51 Mileage 50 87.50 Comments NOTE!
 (G) Final Shut-In 326 Sampler
 (H) Final Hydrostatic 1479 Straddle EM Tool
 Shale Packer Ruined Shale Packer
 Extra Packer Ruined Packer
 Extra Recorder Extra Copies
 Day Standby Sub Total 0
 Accessibility Total 1887.50
 Sub Total 1887.50 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged or 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. 69565

Well Name & No. Wondra 7 Test No. 2 Date 10/31/22
 Company C & K oil company Elevation 1853 KB 1843 GL
 Address PO Box 531 Claflin, KS 67525
 Co. Rep / Geo. Jim Musgrove Rig Southwind 1
 Location: Sec. 10 Twp 17S Rge. 12W Co. Barton State KS

Interval Tested 3280 - 3318 Zone Tested Arbuckle
 Anchor Length 38 Drill Pipe Run 3264 Mud Wt. 9.2
 Top Packer Depth 3275 Drill Collars Run 0 Vis 56
 Bottom Packer Depth 3280 Wt. Pipe Run 0 WL 8.8
 Total Depth 3318 Chlorides 5000 ppm System LCM 1

Blow Description IF: Fair Blow, BOB in 28 minutes, Built to 19.03"
ISF: NO Blow Back
FF: Fair Blow, BOB in 32 minutes, Built to 17.41"
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>31</u>	<u>Clean Oil</u>	<u>100</u>			
<u>124</u>	<u>MCO</u>	<u>80</u>			<u>20</u> %mud
<u>124</u>	<u>MCO</u>	<u>60</u>			<u>40</u> %mud

Rec Total 279 BHT 102 Gravity 36.8 API RW NIC@ NIC F Chlorides NIC ppm

(A) Initial Hydrostatic 1671 Test 1800 T-On Location 12:45
 (B) First Initial Flow 22 Jars T-Started 14:50
 (C) First Final Flow 78 Safety Joint T-Open 16:25
 (D) Initial Shut-In 1138 Circ Sub T-Pulled 19:40
 (E) Second Initial Flow 80 Hourly Standby T-Out 21:28
 (F) Second Final Flow 128 Mileage (50) 87.50 Comments MOTEL
 (G) Final Shut-In 1136 Sampler
 (H) Final Hydrostatic 1621 Straddle

Initial Open 45 Shale Packer EM Tool
 Initial Shut-In 45 Extra Packer Ruined Shale Packer
 Final Flow 45 Extra Recorder Ruined Packer
 Final Shut-In 60 Extra Recorder Extra Copies
 Sub Total 0
 Total 1887.50
 Sub Total 1887.50 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damages 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.

OPERATOR

Company: CK Oil Company
 Address: 410 B Street/ PO Box 531
 Clalfin, KS 67525-0531

Contact Geologist: Chris Hoffman
 Contact Phone Nbr: 620-587-0150
 Well Name: Wondra #7
 Location: 10-17s-12w SE-SW-NE-SW
 API: 15-009-26371-00-00
 Pool:
 State: Kansas

Field: Wondra North
 Country: USA

Scale 1:240 Imperial

Well Name: Wondra #7
 Surface Location: 10-17s-12w SE-SW-NE-SW
 Bottom Location:
 API: 15-009-26371-00-00
 License Number: 31561
 Spud Date: 10/26/2022 Time: 12:00 AM
 Region: Barton
 Drilling Completed: 11/1/2022 Time: 12:00 AM
 Surface Coordinates: 1565' FSL & 1968' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1843.00ft
 K.B. Elevation: 1853.00ft
 Logged Interval: 2700.00ft To: 3318.00ft
 Total Depth: 3318.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8 5/8" in	353' ft			
Int Casing					
Prod Casing	5 1/2" in	3312' ft			

CASING SEQUENCE

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

OPEN HOLE LOGS

Logging Company:
 Logging Engineer:
 Truck #:
 Logging Date: Time Spent:
 # Logs Run: 0 # Logs Run Successful: 0

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
	0.00ft	0.00ft	0.00		0

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
12/5/2007	0.00ft	0.00ft	

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:
 N/S Co-ord: 1565' FSL

LOGGED BY



Company: James C Musgrove Petroleum LLC
Address: 212 Main Street/PO Box 215
Claflin, KS 67525

Phone Nbr: 620-588-4250 620-786-0839
Logged By: KLG #307

Name: James C Musgrove

CONTRACTOR

Contractor: Southwind Drilling
Rig #: 1
Rig Type: mud rotary
Spud Date: 10/26/2022
TD Date: 11/1/2022
Rig Release:

Time: 12:00 AM
Time: 12:00 AM
Time:

ELEVATIONS

K.B. Elevation: 1853.00ft
K.B. to Ground: 10.00ft
Ground Elevation: 1843.00ft

NOTES

Remarks

5 1/2" production casing was set and cemented on the C&K Oil Company; Wondra #7.

Respectfully Submitted,

James C Musgrove
Petroleum Geologist

well comparison sheet

Formation	WONDRA #7 C&K OIL COMPANY SE-SW-NE-SW 10-17s-12w				WONDRA #5 JIMMIE A BOLTIN NE-SE-SW 10-17s-12w				WONDRA #4 WILKINSON DRILLING SE-NE-SW 10-17s-12w			
	1853 KB		Sample	Sub-Sea	1862 KB		Relationship	Log	1849 KB		Structural Relationship	
	Log	Sub-Sea			Log	Sub-Sea			Log	Sub-Sea	Sample	Log
Anhydrite			734	1119	734	1128			755	1094		25
Base Anhydrite			753	1100	759	1103						
Heebner			2953	-1100	2956	-1094			2950	-1101		1
Toronto			2968	-1115	2974	-1112						
Douglas			2983	-1130	2986	-1124			2980	-1131		1
Brown Lime			3047	-1194	3051	-1189			3042	-1193		-1
Lansing			3061	-1208	3067	-1205			3058	-1209		1
Base Kansas City			3302	-1449	3306	-1444						
Arbuckle			3308	-1455	3312	-1450			3308	-1459		4
Rotary Total Depth			3318	-1465	3380	-1518		53	3400	-1551		86

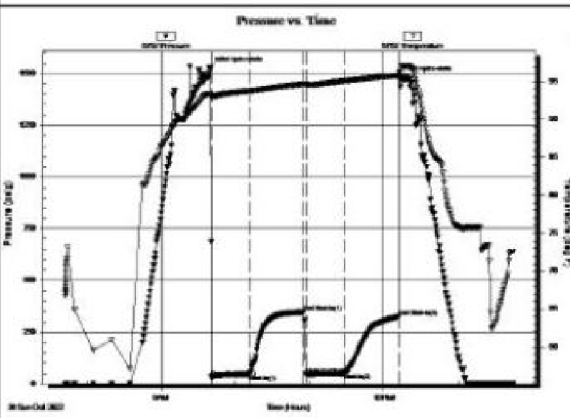
<p>RILOBITE TESTING, INC.</p>	C & K Oil Company	10-17S-12W Barton
	PO Box 531 Claflin, KS 67525	Wondra 7
	ATTN: Jim Musgrove	Job Ticket: 69564 DST#: 1
		Test Start: 2022.10.30 @ 07:42:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:40:32
 Time Test Ended: 13:44:02
 Interval: **3050.00 ft (KB) To 3160.00 ft (KB) (TVD)**
 Total Depth: 3160.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 1853.00 ft (KB)
 1843.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 51.47 psig @ 3157.00 ft (KB) Capacity: psig
 Start Date: 2022.10.30 End Date: 2022.10.30 Last Calib.: 2022.10.30
 Start Time: 07:42:01 End Time: 13:44:02 Time On Btm: 2022.10.30 @ 09:39:02
 Time Off Btm: 2022.10.30 @ 12:11:32

TEST COMMENT: IF: Fair Blow, Built to 6.33"
 IS: No Blow Back
 FF: No Blow
 FS: No Blow Back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1526.92	93.34	Initial Hydro-static
2	32.79	93.05	Open To Flow (1)
33	45.38	93.75	Shut-In (1)
77	346.87	94.67	End Shut-In (1)
78	47.55	94.63	Open To Flow (2)
109	51.47	95.07	Shut-In (2)
153	326.39	95.82	End Shut-In (2)
153	1479.54	96.13	Final Hydro-static

Length (ft)	Description	Volume (bbl)
40.00	SGQM 5%G 95%M	0.56

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

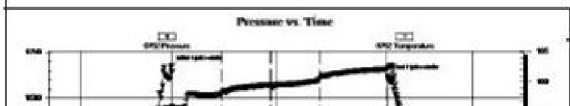


DRILL STEM TEST REPORT
 C & K Oil Company **10-17S-12W Barton**
 PO Box 531 **Wondra 7**
 Gaffin, KS 67525 Job Ticket: 69565 **DST#: 2**
 ATTN: Jim Musgrove Test Start: 2022.10.31 @ 14:50:00

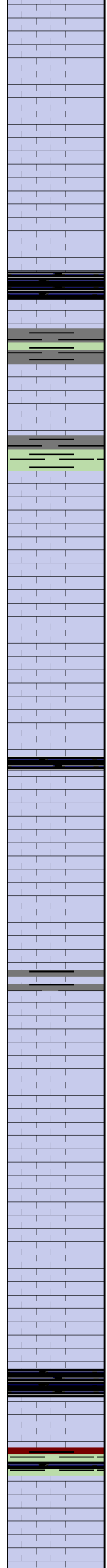
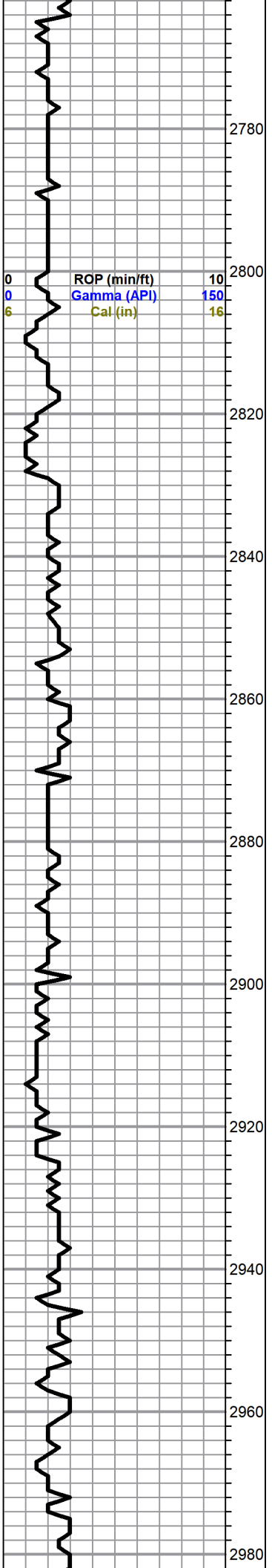
GENERAL INFORMATION:
 Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:25:02
 Time Test Ended: 21:28:02
 Interval: **3280.00 ft (KB) To 3318.00 ft (KB) (TVD)**
 Total Depth: 3160.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 1853.00 ft (KB)
 1843.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 128.04 psig @ 3286.00 ft (KB) Capacity: psig
 Start Date: 2022.10.31 End Date: 2022.10.31 Last Calib.: 2022.10.31
 Start Time: 14:50:01 End Time: 21:28:02 Time On Btm: 2022.10.31 @ 16:23:32
 Time Off Btm: 2022.10.31 @ 19:42:02

TEST COMMENT: IF: Fair Blow, BOB in 28 minutes, Built to 19.03"
 IS: No Blow Back
 FF: Fair Blow, BOB in 32 minutes, Built to 17.41"
 FS: No Blow Back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.34	95.99	Initial Hydro-static



Limestone,gray,tan,fxln,chalky,poor visible porosity

as above

KING HILL 2800(-946)

Shale,black,carbonaceous, soft

Shale,gray,grayish green

Limestone,tan,fxln,dense

Shale as above

Limestone,tan,fossiliferous,slightly cherty,dense

Limestone,gray,tan,fossiliferous,oolitic,dense

QUEEN HILL 2867(-1014)

Shale,black,carbonaceous, soft

Limestone,gray,tan,granular,cherty,dense

slug,gray,smoky gray, chert

Limestone,tan,oolitic,suboomoldic,chalky,trace light brown stain, trace free oil and no odor

as above

Limestone,white,gray,fxln,chalky ,with gray chert

HEEBNER 2953(-1100)

Shale,black,carbonaceous, soft

TORONTO 2968(-1115)

Limestone,white,cream,fine and medium crystalline,chalky,poor visible porosity,no shows

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

DOUGLAS 2983(-1132)

Shale,gray,grayish green,silty

Sand,gray,vfg,subrounded,fair sorting, friable,fair intergranular porosity,micaeous,no shows

as above,with gray,grayish green and green silty

As above,rusty brown,gray,grayish green silty

BROWN LIME 3047(-1194)

Limestone,tan,brown,black??,fxln,slightly cherty,dense

Shale,gray,grayish green,black

LANSING 3061(-1208)

Limestone,tan,fossiliferous,fxln,few sub oomoldic,scattered vuggy porosity,fair golden brown stain, show of free oil and faint odor

Limestone,white,gray,fxln,slightly cherty,fossiliferous,poor visible porosity,no shows

Limestone,gray,fxln,oolitic,chalky,poor visible porosity, no stain,no free oil and faint odor

Limestone,gray,dark gray,fxln, dense

Limestone,gray,oolitic,chalky,poorly developed porosity

Limestone,tan,gray,suboomoldic,chalky,trace light brown stain,with trace white,oolitic,Limestone,trace brown stain,show of free oil and no odor

Limestone,white,gray,oomodic,chalky,poor visible porosity,no shows

Limestone,tan,slightly cherty,dense

Shale,black,carbonaceous, soft

Limestone,gray,white,oolitic,sub oomoldic,trace poor brown stain,no free oil and no odor

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

DST#1 3050-3160

30-45-30-45

Blow,fair(6.33 inches)

2nd open .no blow

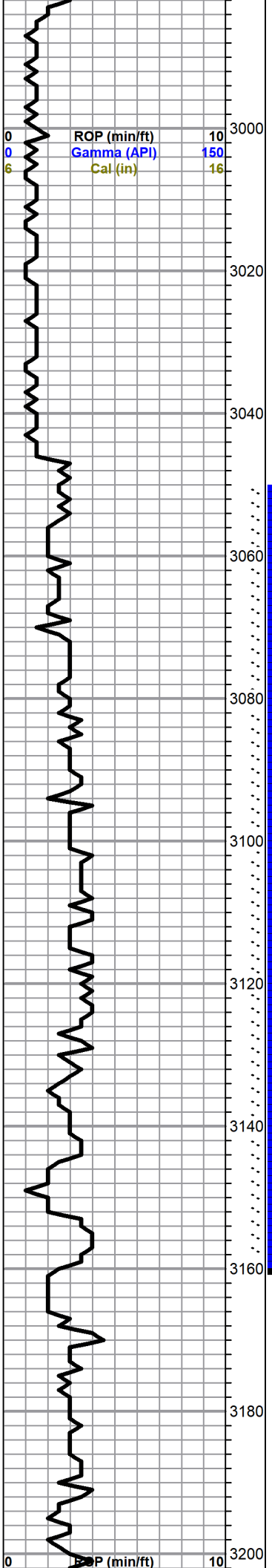
Recovery, 40'gas cut mud

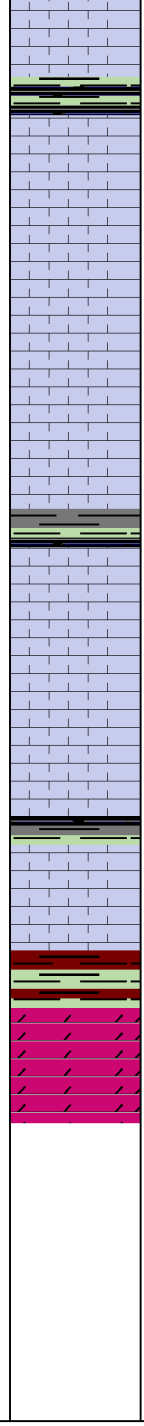
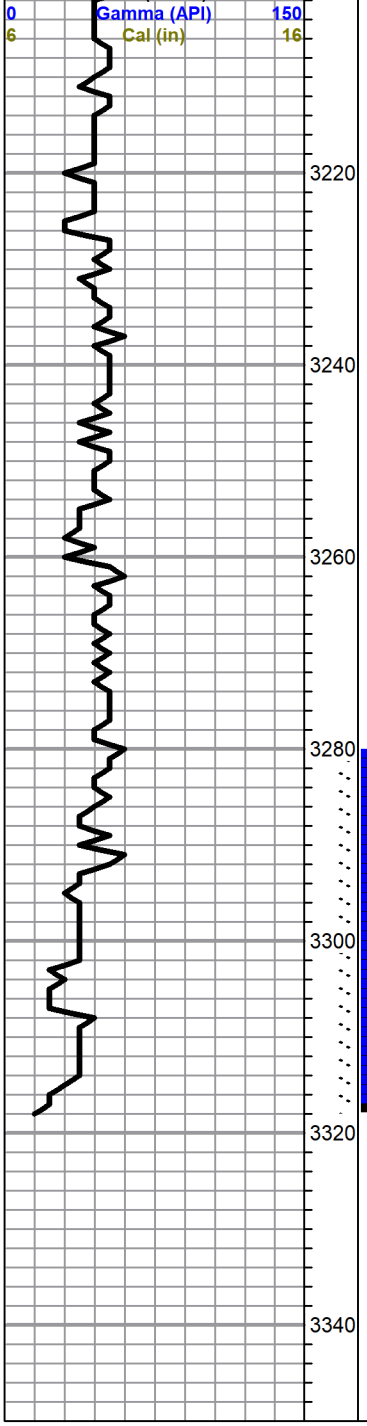
BHP 347-326psi

FP 33-45,47-51 psi

HSH 1527-1479 psi

0	Total Gas (units)	100
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Limestone,gray,white,oolitic,slightly chalky,no shows

Limestone,white,gray,oomoldic,poorly developed porosity,trace poor stain, weak show of free oil and no odor

Shale,green,gray,black

Limestone,white,gray,fossiliferous,oolitic,poor porosity,trace brown stain, show of free oil and no odor

Limestone,gray,tan,fxln,slightly chalky,fossiliferous,trace dark brown stain,no free oil and no odor

Shale,gray,black,soft

Limestone,gray,white,chalky

BASE KANSAS CITY 3302(-1449)

Shale,gray,green,rusty brown

ARBUCKLE 3308(-1455)

Dolomite,white,cream,fxln,sucrosic,dense

Dolomite,tan,sucrosic,scattered pinpoint porosity, brown stain and saturation,show of free oil and faint odor with white,medium crystalline,brown stain ,show of free oil and trace white,gray,oolitic chert

ROTARY TOTAL DEPTH 3318

0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

DST#2 3280-3318
 45-45-45-60
 Blow,Good (bob 28 mins)
 2nd open,Good (bob32 mins)
 Recovery,31'Clean Oil
 125' Mud Cut Oil (80% oil,20% mud)
 125'Mud Cut Oil (60% Oil,40% Mud)
 BHP 1138-1136 psi
 FP 22-78,80-128 psi
 HSH 11671-1621 psi